

AMERICAN MEN OF SCIENCE

*The Story of
American Science*

ELEVENTH EDITION

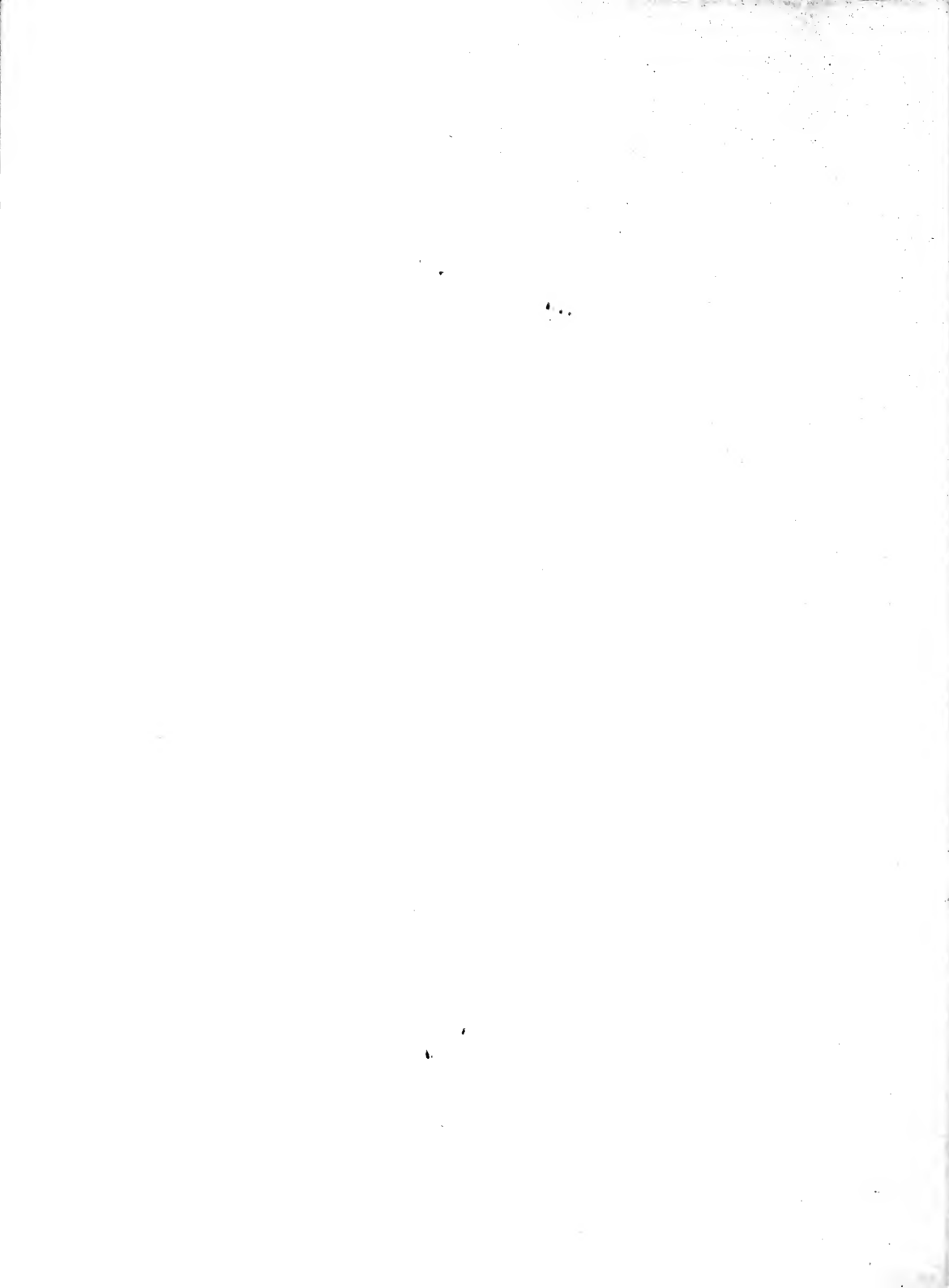
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AMERICAN
MEN OF SCIENCE



AMERICAN MEN OF SCIENCE

A BIOGRAPHICAL DIRECTORY

Edited by The Jaques Cattell Press

ELEVENTH EDITION

The Social & Behavioral
Sciences

SUPPLEMENT 1

R. R. BOWKER COMPANY

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Editors' Preface

With this volume, the first Supplement to the Social and Behavioral Sciences, seven Supplements to the 11th Edition of AMERICAN MEN OF SCIENCE have been published.

Beginning with the Third Edition published in 1921, new editions have appeared at approximately five-year intervals. But with the rapid growth in all fields of science during the past two decades, there has been an increasing demand for more current information on the American scientific community. To publish new editions at more frequent intervals seemed impractical—the current 11th Edition ran six volumes for the Physical and Biological Sciences, with some 130,000 entries, and two volumes for the Social and Behavioral Sciences, with 30,000 biographies. Therefore, to meet this demand, the publisher and editors have undertaken a series of Supplements.

Paperbound Supplement 1, for the Physical and Biological Sciences, was published in July, 1966, and covered the alphabet from A-G; clothbound Supplement 2, March, 1967, cumulated the information from Supplement 1 and gave new data for A-K. Paperbound Supplement 3, July, 1967, supplied new material for A-O, and clothbound Supplement 4, February, 1968, cumulated the data from Supplement 3 and gave new information for A-Sr. Supplement 5, April, 1969, and Supplement 6, February, 1970, both covered the alphabet from A-Z but did not cumulate data from the other Supplements.

The six volumes embracing the Physical and Biological Sciences were published as follows: the A-C and D-G in May and December, 1965, the H-K and L-O in May and December, 1966, and the P-Sr and St-Z in May and December, 1967. The two volumes covering the Social and Behavioral Sciences were published in September, 1968.

The Supplementary Service includes complete biographies of scientists whose data were received too late for the base volumes or who have become eligible for inclusion since these volumes were published. The criteria for inclusion in AMERICAN MEN OF SCIENCE remain the same for the Supplements:

1. Achievement, by reason of experience and training, of a stature in scientific work at least equivalent to that associated with the doctorate degree, coupled with presently continued activity in such work; or
2. Research activity of high quality in science as evidenced by publication in reputable scientific journals; or, for those whose work cannot be published because of governmental or commercial or industrial security, research activity of high quality in science as evidenced by the judgment of the individual's peers among his immediate co-workers; or
3. Attainment of a position of substantial responsibility requiring scientific training and experience of approximately the extent described for (1) and (2).

In addition, the Supplements are designed to give significant new data on scientists whose biographies appear in the base volumes. This information covers changes in position and address, deceased notices, and a few other items of importance. It must be remembered that the Supplements are not intended to take the place of full revisions and should be used in conjunction with the complete biographies given in the base volumes or Supplements of the current edition. Therefore, identical information has not been repeated and the following have been held for the 12th Edition, scheduled to begin publication in 1970:

Personal data, such as marriage and additional children.

Corrections in dates or other refinements in educational data, past positions, and affiliations.

Society memberships, fellows, election to office, and awards and decorations.

Alterations to Military Service entries.

Changes in publications or field of research.

Some corrections to past information have been included in cases when the error or omission detracted from an individual background.

As in the Supplements for the Physical and Biological Sciences, new information was obtained for this Supplement by sending questionnaires to scientists whose complete biographies were included in the base volumes of the Social and Behavioral Sciences. The response has been gratifying. Many have replied to this appeal who have not responded to similar requests for previous editions. We are deeply appreciative of the time and trouble involved in sending detailed information. Much has been received that will make the 12th Edition revisions even more complete.

Pertinent new information was included in the cumulative Supplement 2 for approximately 9500 scientists whose biographies are to be found in the base volumes of the Physical and Biological Sciences of the 11th Edition, plus some 2500 new biographies. Cumulative Supplement 4 added new data for 13,650 others, as well as 4700 new biographies. Supplement 5 gave new information for over 17,000 scientists whose entries appear not only in the base volumes but also in the previous Supplements, and some 8800 new biographies. Supplement 6 included new data for more than 17,500 as well as approximately 8800 new biographies.

The first Supplement to the Social and Behavioral Sciences, presented in this volume, provides new information for more than 4400 scientists whose biographies are to be found in the base volumes, as well as approximately 3800 new biographies. Among the new biographies are a few whose entries appeared in earlier editions but who were not located in time for publication and, as a result, had only a reference in the 11th Edition. Subsequently, new addresses were found and their complete biographies are given in this Supplement.

It has been the aim of the editors to include essential new information. Suggestions and criticism on our selection will be welcome so that any succeeding issues of the Supplements can be made increasingly valuable to users of AMERICAN MEN OF SCIENCE.

The continued cooperation of the vast number of individuals and organizations interested in science has made this compilation possible. Acknowledgement is gratefully extended to the Advisory Committee, to the individual scientists, to all scientific societies, and to the university and colleges of the United States and Canada for their continued assistance and cooperation. Sincere appreciation is due to the guidance and support of Mrs. Anne J. Richter, until recently Editor-in-Chief of the Book Editorial Department of the R. R. Bowker Company.

Every effort has been made to avoid errors in the listings—with the certain knowledge that some have escaped us. We have used our best efforts to edit the material submitted within the scope of the established format, but have no legal responsibility for accidental omissions or errors in entries.

Dorothy Hancock, Managing Editor
American Men of Science

Fred Scott, Resident Manager, The
Jaques Cattell Press

Malcolm Johnson, Vice President and
Editorial Director, Book Division
R. R. Bowker Company

September, 1970

Abbreviations

American Men of Science has tried to economize on punctuation since the first edition published in 1906, and has used only one punctuation mark at any point. Also, since many societies have the same initials, it has been found necessary to use abbreviations in place of initial letters, for their titles. These abbreviations are generally self-explanatory, or can be found in the following list:

AAAS—American Association for the Advancement of Science
abnorm—abnormal
abstr—abstractor
acad—academic, academy
acct—account, accountant, accounting
adj—adjunct, adjutant
adjust—adjustment
Adm—Admiral
admin—administration, administrative
adminstr—administrator
adv—advanced, advancement, adviser, advisory
advert—advertisement
aerodyn—aerodynamic(s)
aeronaut—aeronautic(s), aeronautical
aerophys—aerophysical, aerophysics
agr—agricultural, agriculture
agron—agronomic, agronomical, agronomy
agrost—agrostologic, agrostological, agrostology
Ala—Alabama
allergol—allergological, allergology
Alta—Alberta
Am—America, American
anal—analysis, analytic, analytical
analog—analogue
anat—anatomic, anatomical, anatomy
anesthesiol—anesthesiology
angiol—angiology
Ann—Annal(s)
anthrop—anthropological, anthropology
anthropom—anthropometric, anthropometrical, anthropometry
antiq—antiquarian, antiquary, antiquities, antiquity
apicult—apicultural, apiculture
APO—Army Post Office
app—appoint, appointed
appl—applied
appln—application
Apr—April
apt—apartment(s)
aquacult—aquaculture
arbit—arbitration
Arch—Archives
archaeol—archaeological, archaeology
archit—architectural, architecture
Ariz—Arizona
Ark—Arkansas
artil—artillery
Asn—Association
assoc(s)—associate(s), associated
asst—assistant
astrodyn—astrodynamics
astron—astronomical, astronomy
astronaut—astronautical, astronautics
astronr—astronomer
astrophys—astrophysical, astrophysics
attend—attendant, attending
audiol—audiology
Aug—August
auth—author
Ave—Avenue
avicult—avicultural, aviculture
b—born
bact—bacterial, bacteriologic, bacteriological, bacteriology
B.C.—British Columbia
bd—board
behav—behavior, behavioral
biblog—bibliographic, bibliographical, bibliography
biochem—biochemical, biochemistry
biol—biological, biology
biomet—biometric(s), biometrical, biometry
biophys—biophysical, biophysics
bldg—building
bivd—boulevard
bot—botanical, botany
br—branch
Brig—Brigadier

Brit—Britain, British
Bro(s)—Brother(s)
bryol—bryology
Bull—Bulletin
bur—bureau
bus—business
B.W.I.—British West Indies
c—children, corps
Calif—California
Can—Canada, Canadian
cand—candidate
Capt—Captain
cardiol—cardiology
cardiovasc—cardiovascular
cartog—cartographic, cartographical, cartography
Cath—Catholic
C.Eng—Corps of Engineers
cent—central
Cent. Am—Central America
cert—certificate, certified
chap—chapter
chem—chemical(s), chemistry
chmn—chairman
citricult—citriculture
climat—climatological, climatology
clin(s)—clinic(s), clinical
cmn(s)—commission(s)
cmnr—commissioner
cmt(s)—committee(s)
co—companies, company, county
co-auth—co-author
co-ed—co-editor
col(s)—college(s), colonel
collab—collaboration, collaborative, collaborator
Colo—Colorado
Comdr—Commander
commun—communicable, communication(s)
comp—comparative
comput—computation, computer(s), computing
conchol—conchology
conf—conference
cong—congress(es)
Conn—Connecticut
conserv—conservancy, conservation
conservy—conservatory
consol—consolidated, consolidation
construct—construction
consult—consultant, consulting
contrib—contributing, contributor
coop—cooperation, cooperative
coord—coordinating, coordination
cor—corresponding
corp—corporate, corporation
coun—council, councilor
couns—counselor
criminol—criminological, criminology
crypt—cryptogam, cryptogamic
crystallog—crystallographic, crystallographical, crystallography
C.W.S.—Chemical Warfare Service
cybernet—cybernetic(s)
cytol—cytological, cytology
C.Z.—Canal Zone
Czech—Czechoslovakia
D.C.—District of Columbia
Dec—December
Del—Delaware
del—delegate, delegation
demog—demographic, demography
demonstr—demonstrator
dendrol—dendrologic, dendrological, dendrology
dent—dental, dentistry
dep—deputy
dept—department
dermat—dermatologic, dermatological, dermatology

ABBREVIATIONS

develop—development, developmental	hwy—highway
diag—diagnosis, diagnostic	hydraul—hydraulic(s)
dipl—diploma, diplomate	hydrodyn—hydrodynamic(s)
dir(s)—director(s), directory	hydrol—hydrologic, hydrological, hydrology
dist—district	hyg—hygiene, hygienic(s)
div—division, divorced	
document—documentation	
Dom—Dominion	
Dr—Doctor, Drive	
e—east	ichthyol—ichthyological, ichthyology
east—eastern	Ill—Illinois
ecol—ecological, ecology	illum—illuminating, illumination
econ(s)—economic(s), economical, economy	immunol—immunologic, immunological, immunology
economet—econometric(s)	Imp—Imperial
ed—edition, editor, editorial, education, educational	improv—improvement
elec—electric, electrical, electricity	Inc—Incorporated
electroencephalog—electroencephalographic, electroencephalography	Ind—Indiana
electrophys—electrophysical, electrophysics	indust(s)—industrial, industries, industry
elem—elementary	info—information
embryol—embryologic, embryological, embryology	inorg—Inorganic
emer—emeritus	ins—insurance
employ—employment	inst(s)—institute(s), institution(s)
encyclop—encyclopedia	instnl—institutional
endocrinol—endocrinologic, endocrinology	instr(s)—instruction, instructor(s)
eng—engineering	int—international
Eng—England, English	intel—intelligence
enrg(s)—engineer(s)	introd—introduction
enol—enology	invert—invertebrate
Ens—Ensign	invest(s)—investigation(s)
entom—entomological, entomology	investr—investigator
environ—environment(s), environmental	irrig—irrigation
enzym—enzymology	
epidemiol—epidemiologic, epidemiological, epidemiology	
equip—equipment	J—Journal
espec—especially	Jan—January
estab—established, establishment	jour—journal
ethnog—ethnographic, ethnographical, ethnography	jr—junior
ethnol—ethnologic, ethnological, ethnology	jurisp—jurisprudence
eval—evaluation	
evangel—evangelical	
eve—evening	Kans—Kansas
exam—examination, examiner(s)	Ky—Kentucky
except—exceptional	
exec(s)—executive(s)	
exhib(s)—exhibition(s)	
exp—experiment, experimental	
exped(s)—expedition(s)	
explor—exploration(s), exploratory	
expos—exposition	
exten—extension	
Feb—February	La—Louisiana
fed—federal	lab(s)—laboratories, laboratory
fedn—federation	lang—language(s)
fel(s)—fellow(s), fellowship(s)	laryngol—laryngology
fermentol—fermentology	lect—lecture
fertil—fertility	lectr—lecturer
Fla—Florida	legis—legislation, legislative, legislature
floricult—floricultural, floriculture	L.I.—Long Island
for—foreign	lib—liberal
found—foundation	librn—librarian
FPO—Fleet Post Office	limnol—limnological, limnology
Ft—Fort	ling—linguistic(s)
	lit—literary, literature
	lithol—lithologic, lithological, lithology
	Lt—Lieutenant
	Ltd—Limited
Ga—Georgia	
gastroenterol—gastroenterology	
gen—general	
geneal—genealogical, genealogy	
geod—geodesy, geodetic	
geog—geographic, geographical, geography	
geogr—geographer	
geol—geologic, geological, geology	
geom—geometric, geometrical, geometry	
geophys—geophysical, geophysics	
geriat—geriatric(s)	
geront—gerontological, gerontology	
glaciol—glaciology	
gov—governing, governor(s)	
govt—government, governmental	
grad—graduate	
Gt. Brit—Great Britain	
guid—guidance	
gym—gymnasium	
gynec—gynecologic, gynecological, gynecology	
helminth—helminthology	
hemat—hematologic, hematological, hematology	
herpet—herpetologic, herpetological, herpetology	
hist—historical, history	
histol—histological, histology	
hochsch—hochschule	
homeop—homeopathic, homeopathy	
hon—honorable, honorary	
hort—horticultural, horticulture	
hosp(s)—hospital(s)	
hq—headquarters	
HumRRO—Human Resources Research Office	
husb—husbandry	
	m—married
	mach—machine(s), machinery
	mag—magazine
	maj—major
	malacol—malacology
	mammal—mammalogy
	Man—Manitoba
	Mar—March
	Mass—Massachusetts
	mat—material(s)
	mat. med—materia medica
	math—mathematic(s), mathematical
	Md—Maryland
	mech—mechanic(s), mechanical
	med—medical, medicinal, medicine
	mem—member, memoirs, memorial
	ment—mental
	metab—metabolic, metabolism
	metall—metallurgic, metallurgical, metallurgy
	metalog—metallographic, metallography
	metaphys—metaphysics
	meteorol—meteorological, meteorology
	metrol—metrological, metrology
	metrop—metropolitan
	Mex—Mexico
	mfg—manufacturing
	mfr(s)—manufacturer(s), manufacturer(s)
	mgr—manager
	mgt—management
	Mich—Michigan
	micros—microscopic, microscopical, microscopy
	mid—middle
	mil—military
	mineral—mineralogical, mineralogy
	Minn—Minnesota
	Miss—Mississippi
	mkt—market, marketing
	Mo—Missouri
	mod—modern
	monogr—monograph
	Mont—Montana

ABBREVIATIONS

morphol—morphological, morphology	polytech—polytechnic
mt—mount, mountain(s)	ponol—pomological, pomology
munic—municipal	pop—population
mus—museum(s)	postgrad—postgraduate
musicol—musicological, musicology	P.R.—Puerto Rico
mycol—mycologic, mycology	prehist—prehistoric, prehistory
	prep—preparation, preparative, preparatory
	pres—president
n—north	Presby—Presbyterian
NASA—National Aeronautics & Space Administration	prev—prevention, preventive
nat—national, naturalized	prfnl—professional
NATO—North Atlantic Treaty Organization	prin—principal
navig—navigation	probl(s)—problem(s)
N.B.—New Brunswick	probn—probation
N.C.—North Carolina	proc—proceedings
N.Dak—North Dakota	proctol—proctologic, proctological, proctology
Nebr—Nebraska	prod—product(s), production, productive
nematol—nematology	prof—professor, professorial
neuro—neurological, neurology	prog(s)—program(s), programming
neuropath—neuropathological, neuropathology	proj—project(s), projectional, projective
neuropsychiat—neuropsychiatric, neuropsychiatry	prom—promotion
Nev—Nevada	prov—province, provincial
New Eng—New England	psychiat—psychiatric, psychiatry
New York—New York City	psychoanal—psychoanalysis, psychoanalytic, psychoanalytical
Newf—Newfoundland	psychol—psychological, psychology
N.H.—New Hampshire	psychomet—psychometric(s)
N.J.—New Jersey	psychophys—psychophysical, psychophysics
N.Mex—New Mexico	psychophysiol—psychophysiological, psychophysiology
nonres—nonresident	psychosom—psychosomatic(s)
norm—normal	psychother—psychotherapeutic(s), psychotherapy
north—northern	pub—public, publishing
northeast—northeastern	publ—publication(s)
northwest—northwestern	
Norweg—Norwegian	qm—quartermaster
Nov—November	Qm. Gen—Quartermaster General
N.S.—Nova Scotia	qual—qualitative, quality
N.S.W.—New South Wales	quant—quantitative
numis—numismatic	quart—quarterly
nutrit—nutrition, nutritional	Que—Quebec
N.Y.—New York State	
N.Z.—New Zealand	radiol—radiological, radiology
	R.A.F.—Royal Air Force
observ—observatory	R.A.F.V.R.—Royal Air Force Volunteer Reserve
obstet—obstetric(s)	R.A.M.C.—Royal Army Medical Corps
occup—occupation, occupational	R.A.M.C.R.—Royal Army Medical Corps Reserve
oceanog—oceanographic, oceanographical, oceanography	R.A.O.C.—Royal Army Ordnance Corps
oceanogr—oceanographer	R.A.S.C.—Royal Army Service Corps
Oct—October	R.A.S.C.R.—Royal Army Service Corps Reserve
odontol—odontology	R.C.A.F.—Royal Canadian Air Force
OEEC—Organization for European Economic Cooperation	R.C.A.F.R.—Royal Canadian Air Force Reserve
off—office, official	R.C.A.F.V.R.—Royal Canadian Air Force Volunteer Reserve
Okl—Oklahoma	R.C.A.M.C.—Royal Canadian Army Medical Corps
olericult—olericulture	R.C.A.M.C.R.—Royal Canadian Army Medical Corps Reserve
oncol—oncologic, oncology	R.C.A.S.C.—Royal Canadian Army Service Corps
Ont—Ontario	R.C.A.S.C.R.—Royal Canadian Army Service Corps Reserve
oper(s)—operation(s), operational, operative	R.C.E.M.E.—Royal Canadian Electrical & Mechanical Engineers
ophthal—ophthalmologic, ophthalmological, ophthalmology	R.C.N.—Royal Canadian Navy
optom—optometric, optometrical, optometry	R.C.N.R.—Royal Canadian Naval Reserve
ord—ordnance	R.C.N.V.R.—Royal Canadian Naval Volunteer Reserve
Ore—Oregon	rd—road
org—organic	R.D.—Rural Delivery
orgn—organization(s), organizational	R.E.—Royal Engineers
ornith—ornithological, ornithology	ref—refining
orthod—orthodontia, orthodontic(s)	refrig—refrigeration
orthop—orthopedic(s)	regist—registrar
osteop—osteopathic, osteopathy	registrn—registration
otol—otological, otology	rehab—rehabilitation
otolaryngol—otolaryngologic, otolaryngology	rel(s)—relation(s), relative
otorhinol—otorhinologic, otorhinology	relig—religion, religious
	R.E.M.E.—Royal Electrical & Mechanical Engineers
Pa—Pennsylvania	rep—representative
Pac—Pacific	repub—republic
paleobot—paleobotanical, paleobotany	res—research, reserve, resident
paleont—paleontological, paleontology	ret—retired
Pan-Am—Pan-American	rev—review, revised
parasitol—parasitology	rhet—rhetoric, rhetorical
path—pathologic, pathological, pathology	R.I.—Rhode Island
pedag—pedagogic(s), pedagogy	R.M.—Royal Marines
pediat—pediatric(s)	R.N.—Royal Navy
P.E.I.—Prince Edward Islands	R.N.R.—Royal Naval Reserve
penol—penological, penology	R.N.V.R.—Royal Naval Volunteer Reserve
periodont—periodontal, periodontic(s), periodontology	roenog—roentgenologic, roentgenological, roentgenology
petrog—petrographic, petrographical, petrography	R.R.—Railroad, Rural Route
petrogr—petrographer	rwy—railway
petrol—petroleum, petrologic, petrological, petrology	
pharm—pharmacy	s—south
pharmaceut—pharmaceutic(s), pharmaceutical(s)	S.Africa—South Africa
pharmacog—pharmacognosy	S.Am—South America, South American
pharmacol—pharmacologic, pharmacological, pharmacology	sanit—sanitary, sanitation
Phila—Philadelphia	Sask—Saskatchewan
philol—philological, philology	S.C.—South Carolina
philos—philosophic, philosophical, philosophy	sch(s)—school(s)
photog—photographic, photography	scholar—scholarship
photogeog—photogeographic, photogeography	sci—science(s), scientific
photogram—photogrammetry	S.Dak—South Dakota
photom—photometric, photometrical, photometry	SEATO—Southeast Asia Treaty Organization
phycol—phycology	sec—secondary
phys—physical	sect—section
physiog—physiographic, physiographical, physiography	secy—secretary
physiol—physiological, physiology	seismog—seismograph, seismographic, seismography
pkwy—parkway	seismol—seismological, seismology
polit—political, politics	

ABBREVIATIONS

sem--seminary
 Sept--September
 serol--serologic, serological, serology
 serv--service(s)
 Sgt--Sergeant
 silvicult--silvicultural, silviculture
 soc(s)--social, societies, society
 sociol--sociologic, sociological, sociology
 south--southern
 southeast--southeastern
 southwest--southwestern
 spec--special
 spectrog--spectrograph, spectrographic, spectrography
 spectrophotom--spectrophotometer, spectrophotometric, spectrophotometry
 spectros--spectroscopic, spectroscopy
 speleol--speleological, speleology
 sr--senior
 St--Saint, Street(s)
 sta(s)--station(s)
 statist--statistical, statistics
 stomatol--stomatology
 stratig--stratigraphic, stratigraphy
 struct--structural, structure(s)
 subcmf--subcommittee
 subj--subject
 substa--substation
 suppl--supplement(s), supplemental, supplementary
 supt--superintendent
 supv--supervising, supervision
 supvr--supervisor
 supvry--supervisory
 surg--surgical, surgery
 surv--survey, surveying
 Switz--Switzerland
 symp--symposium(s)
 syphil--syphilology
 syst(s)--system(s), systematic(s), systematical
 taxon--taxonomic, taxonomy
 tech--technical, technique(s), technological, technology
 tel--telegraph(y), telephone
 Tenn--Tennessee
 Terr--Terrace
 Tex--Texas
 theol--theological, theology
 theoret--theoretical
 ther--therapy
 therapeut--therapeutic(s)
 thermodyn--thermodynamic(s)
 topog--topographic, topographical, topography
 toxicol--toxicologic, toxicological, toxicology
 trans--transactions
 transl--translation(s), translator
 treas--treasurer, treasury
 trop--tropical
 tuberc--tuberculosis
 TV--television
 twp--township
 U.A.R--United Arab Republic
 U.K--United Kingdom
 UN--United Nations
 unemploy--unemployment

UNESCO--United Nations Educational Scientific & Cultural Organization
 UNICEF--United Nations International Childrens Fund
 univ(s)--universities, university
 UNRRA--United Nations Relief & Rehabilitation Administration
 urol--urologic, urological, urology
 U.S--United States
 U.S.A--U.S. Army
 U.S.A.A.F--U.S. Army Air Force
 U.S.A.A.F.R--U.S. Army Air Force Reserve
 U.S.A.F--U.S. Air Force
 U.S.A.F.R--U.S. Air Force Reserve
 U.S.A.R--U.S. Army Reserve
 U.S.C.G--U.S. Coast Guard
 U.S.C.G.R--U.S. Coast Guard Reserve
 U.S.M.C--U.S. Marine Corps
 U.S.M.C.R--U.S. Marine Corps Reserve
 U.S.N--U.S. Navy
 U.S.N.A.F--U.S. Naval Air Force
 U.S.N.A.F.R--U.S. Naval Air Force Reserve
 U.S.N.R--U.S. Naval Reserve
 U.S.P.H.S--U.S. Public Health Service
 U.S.P.H.S.R--U.S. Public Health Service Reserve
 U.S.S.R--Union of Soviet Socialist Republics
 U.S.W.M.C--U.S. Women's Marine Corps
 U.S.W.M.C.R--U.S. Women's Marine Corps Reserve

Va--Virginia
 veg--vegetable(s), vegetation
 vent--ventilating, ventilation
 vert--vertebrate
 vet--veteran(s), veterinarian, veterinary
 vinicult--viniculture
 virol--virological, virology
 vis--visiting
 voc--vocalational
 vols(s)--volume(s), voluntary, volunteer(s)
 v.pres--vice president
 Vt--Vermont

w--west
 W.A.C--Women's Army Corps
 Wash--Washington
 Wash, D.C--Washington, D.C.
 W.A.V.E.S--Women Accepted for Voluntary Emergency Service
 west--western
 WHO--World Health Organization
 W.I--West Indies
 wid--widow, widowed, widower
 Wis--Wisconsin
 W.R.C.N.S--Women's Royal Canadian Naval Service
 W.R.N.S--Women's Royal Naval Service
 W.Va--West Virginia
 Wyo--Wyoming

YMCA--Young Men's Christian Association
 YWCA--Young Women's Christian Association

zool--zoological, zoology

AMERICAN MEN OF SCIENCE

SUPPLEMENT 1

A

- AAGARD, DR. JAMES ANDREW, b. Nephi, Utah, June 6, 37; m. 64; c. 2. PSYCHOLOGY. B.A., Brigham Young, 61, M.S. 64; Ph.D. (psychol.), Utah State, 70. ASST. PROF. PSYCHOL., EASTERN KENTUCKY, 69. U.S.N. 64-66, Lt. Aviation and space psychology; verbal learning; emotion; motivation. Address: Dept. of Psychology, Eastern Kentucky University, Richmond, Ky. 40475.
- AAKER, DR. DAVID A., b. Fargo, N.Dak., Feb. 11, 38; m. 63; c. 2. MARKETING, OPERATIONS RESEARCH. B.S., Mass. Inst. Tech., 60; M.S., Stanford, 67, Ph.D. (mktg.), 69. Prof. sales mgr., Tex. Instruments, Inc., 60-65; ASST. PROF. MKT. STATIST., CALIFORNIA, BERKELEY, 68. Mkt. Assn. Inst. Mgt. Sci.; Psychomet. Soc.; Oper. Res. Soc. Stochastic, buyer behavioral and advertising models; consumerism. Publ.: Co-auth. Consumerism: search for the consumer interest, Free Press, 70; auth. A probabilistic approach to industrial media selection, J. Advert. Res., 9/68 & The new trend stochastic model of brand choice, Mgt. Sci., winter 70. Address: Dept. of Marketing, University of California School of Business Administration, Berkeley, Calif. 94720.
- AALTO, DR. ENSIO E (MIL). Counseling Psychology. See A-K Vol. 11th ed, Soc. & Behav. Vols. New position: Unit psychologist, Vet. Admin. Hosp., Brockton, 68. Address: Sun Lane, Rowayne Park, Bridgewater, Mass. 02324.
- AAMODT, DR. MELVIN H., b. Murray, Utah, Jan. 29, 34; m. 57; c. 3. GEOGRAPHY. B.A., Brigham Young, 58; M.A., Wisconsin, 60; Ph.D. (geog.), Indiana, 68. Instr. geog., Brigham Young, 60-62, asst. prof., 65-70; ASSOC. PROF. ANTHROP. & GEOG., STANISLAUS STATE COL., 70. Am. Inst. Urban & Regional Affairs; Assn. Am. Geog. Cultural geography; developmental processes; geography of Scandinavia and Finland. Address: Dept. of Anthropology & Geography, Stanislaus State College, Turlock, Calif. 95380.
- ABBASS, PROF. ABDUL MAJID, b. Qul'at-Sicker, Iraq, Dec. 25, 11; m. 41; c. 6. INTERNATIONAL RELATIONS. B.A. Chicago, 36; M.A. 38, Ph.D. (int. rels.), 39. Minister agr., Govt. Iraq, 54; mem. bd. dirs., Govt. Oil Refineries Admin. Iraq, 55-58; ambassador & chief permanent del. of Iraq, UN, 58; vis. prof. Mid.E. studies, American Univ., 59-61; vis. prof., GOVT., SOUTHERN ILLINOIS, 62, PROF., 63. Lectr. Inst. Lang. & Ling., Georgetown, 59-60; vis. prof., Univ. Libya, 62, Ford Found. grant, vis. prof., Univ. Jordan, 66-69. Consult., Spec. Oper. Res. Off., 62. Citation, Glasboro State Col., 60. Assn. Polit. Sci.; Soc. Int. Law; Soc. Pub. Admin. International relations, especially Middle East affairs. Publ.: Essentials of jurisprudence (in Arabic), 46 & Principles of international law (in Arabic), 49, Govt. of Iraq; Counter-insurgency in Palestine 1936-39, In: Social and political systems, Spec. Oper. Res. Off., American Univ., 65. Address: 1206 W. College, Carbondale, Ill. 62901.
- ABBATIELLO, DR. AURELIUS A. Psychology. See A-K Vol. 11th ed, Soc. & Behav. Vols. Change of address: 6032 N. Central Park Ave, Chicago, Ill. 60645.
- ABBEY, DR. DAVID SAMUEL. Psychology. See A-K Vol. 11th ed, Soc. & Behav. Vols. New position: Coordinator res. & develop. studies, 69., Ontario Institute for Studies in Education, Toronto, Ont., Can.
- ABBOTT, DR. JAROLD G (UY). Economics, Psychology. See A-K Vol. 11th ed, Soc. & Behav. Vols. Correction of company name: Jarold Abbott & Associates, 3708 Broadway, Kansas City, Mo. 64111.
- ABBOTT, PROF. LAWRENCE. Economics. See A-K Vol. 11th ed, Soc. & Behav. Vols. New information: Em. prof., Union Col. (N.Y.), 68. Address: R.D. 2, High St., Coventry, Conn. 06238.
- ABBOTT, DR. WILLIAM J. Economics. See A-K Vol. 11th ed, Soc. & Behav. Vols. Change of address: 700 Laurel Oak, St. Louis, Mo. 63131.
- ABDEL-KAWI, DR. KHAIRY, b. Cairo, Egypt, Nov. 8, 27; m. 65; c. 2. PUBLIC ADMINISTRATION. B.A., Cairo, 49, dipl. pub. finance, 52, dipl. polit. econ., 53; UN fel., Cornell, 57-59, M.A., 59; U.A.R. Govt. fel., N.Y. Univ., 63-68, Ph.D. (pub. admin.), 66. Mem. tech. staff, chamber of deputies, Egyptian Parliament, 52; vis. prof. pub. admin. Inst. Pub. Admin., Cairo, 59-67; from asst. prof. to ASSOC. PROF. govt., Midwestern, 67-70; PUB. ADMIN. ARKANSAS, FAYETTE, 70. Budget analyst, inspector govt. orgn. & admin. & controller of planning, orgn. & bus. classification, Civil Serv. Cmn., U.A.R., 52-62; Ford Found. lectr., U.A.R. Govt., 59-67; tech. asst. to v-pres, Cmt. on Civil Serv. Legis. & Admin. & tech. asst. to chmn. Cent. Bd. for Govt. Orgn., 61-63; mem. bd. dirs. exec. conf. prog. mem. tech. staff, dir. dept. cent. dept. orgn. & U.A.R.-Agency Int. Develop. pub. admin. expert, Cent. Agency Orgn. & Admin., U.A.R. Govt., 66-67. Soc. Pub. Admin; Polit. Sci. Assn.; Acad. Polit. & Soc. Sci.; Acad. Polit. Sci. Public administration theory international administration; public personnel administration; intergovernmental relations; administration in developing countries. Address: Dept. of Political Science, University of Arkansas, Fayetteville, Ark. 72701.
- ABDULLAH, DR. FUAD A. Economics, International Finance. See A-K Vol. 11th ed, Soc. & Behav. Vols. New position & address: Economist, 68-, International Monetary Fund, 19th & H St. N.W., Washington, D.C. 20431.
- ABEL, PRES. HAROLD. Developmental Psychology. See A-K Vol. 11th ed, Soc. & Behav. Vols. New position & address: Pres., 70-, Castleton State College, Castleton, Vt. 05735.
- ABELES, PROF. CHARLES J. Foreign Languages. See 5th ed, Dir. Am. Scholars, Vol. III, For. Lang., Ling. & Philol.
- ABELL, DR. ANDREW T., b. Houston, Tex., Oct. 24, 32; m. 67; c. 1. PSYCHOLOGY. B.S. Houston, 55, fel. 57-59, M.A., 58, Ph.D. (psychol.), 62. Asst. prof. PSYCHOL., Upsala Col., 63-66; asst. prof., SOUTHEAST. LA. COL., 66-68, ASSOC. PROF., 68-, HEAD DEPT., 69-, acting head dept., 68-69. AAAS; Psychol. Assn. Conditioning and learning, especially as applicable to verbal behavior. Publ.: Words functioning simultaneously as operant and respondent reinforcers: preliminary study, 69 & Words functioning simultaneously as operant and respondent reinforcers: replication, 69, Psychol. Reports; Test of reinforcer forms with flaps, Perceptual & Motor Skills, 69. Address: College Station, Box 831, Hammond, La. 70401.
- ABELL, PROF. M (AX) F (LAVEL). Agricultural Economics. See A-K Vol. 11th ed, Soc. & Behav. Vols. Change of address: 33 Christian Ave, Concord, N.H. 03301.
- ABELSON, DR. HERBERT I (RVING). Psychology. See A-K Vol. 11th ed, Soc. & Behav. Vols. New position & address: Exec. v-pres, 69-, Response Analysis Corp., P.O. Box 158, Princeton, N.J. 08540.
- ABERNETHY, DR. DAVID BEAVEN. Political Science, Comparative Politics. See A-K Vol. 11th ed, Soc. & Behav. Vols. Publ.: The political dilemma of popular education—an African case, Stanford, 69 (title changed from: Educational Expansion and political development—an African case). Address: Institute of Political Studies, Stanford University, 550 Salvatierra St., Stanford, Calif. 94305.
- ABIDIN, DR. RICHARD ROBERT, JR. Psychology. See A-K Vol. 11th ed, Soc. & Behav. Vols. Change of address: 2915 Idlewood Dr., Charlottesville, Va. 22901.
- ABOUCHAR, DR. ALAN. Economics. See A-K Vol. 11th ed, Soc. & Behav. Vols. Change of address: Dept. of Political Economy, University of Toronto, 150 St. George St., Toronto 5, Ont., Can.
- ABPLANALP, DR. PAUL L (EROY). Neuroanatomy, Behavior. See Suppl. VI to 11th ed, Phys. & Biol. Vols.
- ABRAHAM, PROF. HENRY J (ULIAN). Political Science. See A-K Vol. 11th ed, Soc. & Behav. Vols. New information: Vis. prof., Columbia, 69. Publ.: The judiciary, Allyn & Bacon, 2nd ed, 69. Address: 1423 Wyngate Rd., Wynnewood, Pa. 19096.
- ABRAHAMSON, PROF. ALBERT. Economics. See A-K Vol. 11th ed, Soc. & Behav. Vols. New position: Dean, 69-, Bowdoin College, Brunswick, Maine 04011.
- ABRAM, DR. HARRY SHORE, b. Roanoke, Va., Mar. 25, 31; m. 56; c. 4. PSYCHIATRY. B.S., Northwestern, 52; M.D., Virginia, 56. Clin. & res. fel. psychiat., Harvard Med. Sch., 59-61; instr. PSYCHIAT. SCH. MED., VIRGINIA, 61-64, asst. prof., 64-67, ASSOC. PROF., 67-, DIR. PSYCHIAT. CONSULT. SERV., UNIV. VIRGINIA HOSP., 68-, CO-DIR., RENAL DIALYSIS UNIT, 65. Nat. Inst. Ment. Health career teacher award, 61-63. AAAS; Am. Med. Assn.; fel. Psychiat. Assn.; Psychosom. Soc.; N.Y. Acad. Sci. Psychological aspects of artificial and transplanted organs. Publ.: Psychological aspects of surgery, Little, Toronto, 68; co-auth. Patients' attitudes toward psychiatric consultations in the general hospital, Va. Med. Monthly, 94: 342-347; auth. The psychiatrist, the treatment of chronic renal failure, and the prolongation of life, Am. J. Psychiat., 124: 1351-1358. Address: Dept. of Psychiatry, University of Virginia School of Medicine, Charlottesville, Va. 22901.
- ABRAMOV, DR. ISRAEL, b. Bulawayo, S. Rhodesia, June 23, 38; m. 62. SENIORY PHYSIOLOGY, BIOPHYSICS. LL.B., London, 59, B.A., 61; fel. Indiana, 66, Ph.D. (physiol. psychol.), 67. U.S. Pub. Health Serv. fel. biophys. Hopkins, 67-68; ASST. PROF. PHYSIOL. PSYCHOL., ROCKEFELLER, 68-. Optical Soc. Am. Psychophysical and physiological investigation of the visual system; mechanisms of color vision. Publ.: Co-auth. Analysis of response patterns of LGN cells, 7/66 & auth. Further analysis of the responses of LGN cells, 4/68, J. Optical Soc. Am.; co-auth. Single cell analysis of wavelength discrimination at the lateral geniculate nucleus in the macaque, J. Neurophysiol., 5/67. Address: Rockefeller University, New York, N.Y. 10021.
- ABRAMS, PROF. CHARLES, b. Vilna, Poland, Feb. 18, 02; nat. m. 28; c. 2. CITY PLANNING. LL.B., St. Lawrence, 22. Prof. govt. & lectr. econ. &

- housing, grad. faculty, New Sch. Soc. Res, 36-65; PROF. CITY PLANNING & CHMN. DEPT., COLUMBIA, 65-, dir. inst. urban environ, 65-67; Mem. faculty, Pennsylvania, 51-54; vis. prof. Mass. Inst. Tech, 57-64; Williams prof., Harvard, 68-69; Columnist, N.Y. Post, 47-49; Counsar, Housing Authority, N.Y. 34-37; consult, U.S. Housing Authority & Fed. Pub. Housing Authority, 37-40; spec. counsr, State Joint Legis. Cmt. Housing & Multiple Dwellings, N.Y. 46; spec. consult, bur. reclamation, U.S. Dept. Interior, 51; Expert, UN Mission, Turkey & chief UN Housing Mission, Gold Coast, 54; expert, UN Missions, Pakistan, 57, Philippines, 58, Bolivia, 59, Japan & Ireland, 60, Colombia & India, 61; Int. Coop. Admin. Mission, B.W.I., 61, Nigeria, 62, Singapore, 63 & Kenya, 64. N.Y. State Rent Administrator, 55; chmn, N.Y. State Cmn. Against Discrimination, 55-58; pres, Nat. Cmt. Against Discrimination in Housing, Inst. Planners; hon. mem. Dist. Archt. Housing; land; racial problems. Publ: Forbidden neighbors, Harper Bros, 55; Man's struggle for shelter, M.I.T. 64; The city is frontier, Harper & Row, 65; Address: 225 Broadway, New York, N.Y. 10007.
- ABRAMS, DR. ISRAEL JACOB. Mathematical Statistics. See A-K Vol, 11th ed, Soc. & Behav. Vols. New position & address: Pres, 69-, Datamatics Corp. of America, 624 S. Michigan Ave, Chicago, Ill. 60605.
- ABRAMS, DR. LAURENCE, b. Boston, Mass, June 30, 37; m. 60; c. 4. CLINICAL PSYCHOLOGY. B.S., Wayne State, 59, M.A. 63; Ph.D.(clin. psychol), Texas, 64. Staff mem, counseling & testing center, Wayne State, 61; res. asst. psychol, Lafayette Clinic, Detroit, Mich, 61-62; grading asst, Texas, 62-63, spec. instr, CLIN. PSYCHOL, BAYLOR COL. MED 64-65. ASST. PROF. 65-, ASSOC. DIR. TRAINING, 67-, CHIEF PSYCHOLOGIST, CHILD STUDY CLIN, TEX. RES. INST, 65-, staff mem, 64-65. Clin. psychologist trainee, Vet. Admin. Hosp, Waco, Tex, 62-64, clin. psychologist, 64; clin. asst. prof, Univ. Houston, 66-; Gen. Res. res. equip. grant, Baylor Col. Med, 67 & study equip. grant, 68; Hogg Found. study grant, Univ. Texas, 67-68. Consult, dept. psychiat, Vercampus Hosp, Houston, Tex, 65-66. Psychol. Asn. marital interactions and psychotherapeutic treatment of such problems; comparing first grade underachievers with more successful peers psychologically; treatment methods for the non-learner; psychopharmacology; perception. Address: Dept. of Psychology, Baylor College of Medicine, Houston, Tex. 77025.
- ABRAMS, PROF. NORMAN. Law. See 5th ed, Dir. Am. Scholars, Vol. IV, Philos, Relig. & Law.
- ABRAMS, DR. ROBERT, b. Philadelphia, Pa, Feb. 26, 40; m. 63; c. 2. POLITICAL SCIENCE. B.A., Haverford, Pa, 61; M.A., 62; Ph.D., Columbia, 63. Ph.D.(polit. sci), 66. Instr. POLIT. SCI, BROOKLYN COL, 65-67, ASST. PROF. 68-. Faculty summer res. grant, City Univ. New York, 68. Polit. Sci. Asn. Soviet politics; methodology-problems in inquiry. Publ: Political recruitment and local government: the local Soviets of the RSFSR, 1918-21, Soviet Studies, 4/68; The Liberman reforms, In: Cases in comparative politics, Little, 69. Address: 717 E. Seventh St, Brooklyn, N.Y. 11218.
- ABRAMSON, PROF. ARTHUR SEYMOUR. Linguistics. See 5th ed, Dir. Am. Scholars, Vol. III, For. Lang, Ling. & Philol.
- ABRAMSON, DR. DAVID A. Psychology. See A-K Vol, 11th ed, Soc. & Behav. Vols. New position: Dir. Bur. Curriculum Develop, New York City Bd. Educ, 69- Address: 10-37 Annapolis St, Far Rockaway, N.Y. 11691.
- ABU-LUGHOD, DR. JANET L., b. Newark, N.J., Aug. 3, 28; m. 51; c. 4. SOCIOLOGY. B.A., Chicago, 47, M.A., 50; Nat. Sci. Found. fel. & Ph.D.(sociol), Massachusetts, 68. Dir. res, Am. Soc. Planning Officials, 50-52; res. assoc. city planning, Pennsylvania, 54-55; sociologist & housing consult, Am. Coun. Improve Neighborhoods, 55-57; asst. prof. SOCIOLOGY, Am. Univ. Cairo, 58-60; intermittent vis. lectr, vis. prof, Smith Col, 62-66; ASSOC. PROF, NORTHWESTERN, 67. Assoc. scholar, Radcliffe Inst. Independent Study, 63-64. Sociol. Asn. Population; urban sociology. Publ: Co-auth, Housing choices and housing constraints, McGraw, 60; auth, The city is dead—long live the city, Univ. Calif. Monogr, 68; Victorious city: one thousand years of Cairo, Princeton Univ, 70. Address: 908 Ashland Ave, Wilmette, Ill. 60091.
- ACEVES, DR. JOSEPH B., b. Brooklyn, N.Y., Oct. 13, 35. SOCIAL ANTHROPOLOGY. B.S., Springfield Col, 59; Woodrow Wilson fel., Emory, 59-60, M.A., 60; Wenner-Gren Found. fel. & Ph.D.(anthrop), Georgia, 66. Instr. sociol. & anthrop, Wesleyan Col, 61-63, asst. prof, 63-65; res. assoc. ANTHROPOLOGY, Georgia, 66-67, INSTR. 67-68; ASST. PROF, SOUTHERN METH. ODIST, 68- Instr. exten. div, Georgia, 63; Ga. Inst. Tech, summer 61; vis. instr, Mercer, summer 63. Nat. Guard, 52-53; U.S.A.R., 53-55, U.S.A., 57. Anthrop. Asn. Population, anthropology, especially community development and theory; peasant society particularly in Europe, circum-Mediterranean area, and especially Spain. Publ: El Pinar: change in a Spanish village, Schenckman, 70; co-auth, Community social analysis of El Pinar, Spain, In: Community social analysis, Monogr., 4, Ga. Dept. Pub. Health, 67; El concepto del mundo del campesino castellano y su relación con el desarrollo rural, Etnica, Vol. 1, No. 1. Address: Anthropology Research Center, Southern Methodist University, Dallas, Tex. 75222.
- ACHILLES, DR. ROBERT F. Speech Pathology, Audiology. See Suppl. V to 11th ed, Phys. & Biol. Vols.
- ACK, DR. MARVIN, b. Toledo, Ohio, Mar. 31, 24; m. 45; c. 3. PSYCHOLOGY. B.A., Morris Harvey Col, 52; M.S., City Col. New York, 54; Columbia, 54; Ph.D.(psychol), Western Reserve, 58. Teacher, pub. sch, N.Y., 52-54; psychologist, Cleveland Pub. Schs, 54-57; child psychiatrist, clin. Univ. Hosp., Cleveland, 57-59, chief psychologist, 59-64; sr. psychologist & child psychoanalyst, MENNINGER FOUND, 64-68, DIR. DIV. SCH. MENT. HEALTH, 68-Asst. prof, dept. psychiat, sch. med, Western Reserve, 59-64; lectr, Danish Asn. Psychiatrists & Clin. Psychologists, 67; WHO lectr, Denmark, 69. Consult, Bellaire Children's Aid Soc, 61-64; Topeka Pub. Schs, Kansas City, Mo. Pub. Schs. & Kan. State Teacher's Col, 66- U.S.A., 42-45, Sgt. Asn. Child Psychoanal., Orthopsychiat. Asn; Psychol. Asn. Child psychoanalysis and psychotherapy; school mental health; learning, theory and problems. Publ: Julie, In: The psychoanalytical study of the child, Int. Univs, 66; The management of anxiety in the diagnostic evaluation of the child, Menninger Bull, 11/68 & is higher education relevant, Col. & Univ, spring 69. Address: Division of School Mental Health, The Menninger Foundation, P.O. Box 629, Topeka, Kans. 66601.
- ACKER, DR. CHARLES WESLEY. Psychology. See A-K Vol, 11th ed, Soc. & Behav. Vols. New position: Partner, Mgt. Develop. Assocs. & Career Assessment Serv, 69- Address: 143 N. Old Topanga Canyon Rd, Topanga, Calif. 90290.
- ACKER, DR. WILLIAM JAMES. Geography, Economics. See A-K Vol, 11th ed, Soc. & Behav. Vols. New information: Ph.D., Syracuse, 69. Assoc. prof, 70-, Dept. of Geography, Arizona State University, Tempe, Ariz. 85281.
- ACKERMAN, DR. J(ohn) MARK, b. Azusa, Calif, Feb. 14, 39; m. 60; c. 2. PSYCHOLOGY. B.A., Pomona Col, 64; M.A., Colorado, 67, Ph.D.(clin. psychol), 68. CLIN. PSYCHOLOGIST, LINN COUNTY MENT. HEALTH CLIN, 68-, CLIN. PSYCHOLOGIST CONSULT, 70- Instr, div. continuing ed, Oregon State, 69- U.S.A.F., 56-60. AAAS; Psychol. Asn; Soc. Clin. Hypnosis; Asn. Adv. Behav. Ther. Effects of father loss on the development of male children; behavior therapy in the treatment of neuroses, sex deviation, conduct disorders; behavior modification through operant conditioning in the classroom and home; teaching parents and teachers operant techniques. Publ: Operant conditioning techniques for the classroom teacher, Scott, (in press); co-auth, Resistance to temptation, guilt upon yielding and psychopathology, 66 & auth, Critical events attended to father loss in the histories of schizophrenic and alcoholic patients, (in press), J. Consult. & Clin. Psychol. Address: 145 Peach Tree Lane, Albany, Ore. 97231.
- ACKERMAN, DR. JOSEPH. Agricultural Economics. See A-K Vol, 11th ed, Soc. & Behav. Vols. New information: Retired, Farm Found, 69; Ford Found, grant, Intensive Agr. Develop. Prog, New Delhi, India, 70- Address: 600 S. Michigan Ave, Chicago, Ill. 60605.
- ACKERMAN, DR. PAUL D(ENNIS), b. St. Francis, Kans, Dec. 26, 41; m. 62; c. 2. SOCIAL PSYCHOLOGY. B.A., Kansas, 64, M.A., 66, Ph.D.(soc. psychol), 68. ASST. PROF. PSYCHOL, WICHITA STATE, 68- Psychol. Asn. Quantitative observational techniques in natural settings; community psychology; special preschool education for culturally disadvantaged children. Publ: Co-auth, Motivational decentralization and conflict in the research laboratory, In: Research society, Gordon & Breach, 68. Address: Dept. of Psychology, Wichita State University, Wichita, Kans. 67208.
- ACKERMAN, PROF. RALPH E. Educational Psychology. See A-K Vol, 11th ed, Soc. & Behav. Vols. New information: Also head, 69-, Dept. of Psychology, Edinboro State College, Edinboro, Pa. 16412.
- ACKLEY, DR. CHARLES W. Philosophy, History of Religions. See Suppl. I to 5th ed, Dir. Am. Scholars.
- ACKLEY, DR. GARDNER. Economics. See A-K Vol, 11th ed, Soc. & Behav. Vols. New position & address: Henry Carter Adams distinguished prof. polit. econ, 69-, Dept. of Economics, University of Michigan, Ann Arbor, Mich. 48104.
- ADAIR, DR. ELEANOR R. Physiology, Psychology. See Suppl. V to 11th ed, Phys. & Biol. Vols.
- ADAIR, DR. FRED L. Education, Guidance. See A-K Vol, 11th ed, Soc. & Behav. Vols. New position: Dir. career planning testing & placement, Franklin & Marshall Col, 69- Address: 515 N. School Lane, Lancaster, Pa. 17603.
- ADAIR, DR. JOHN GLENN, b. San Antonio, Tex, Dec. 19, 33; m. 60; c. 4. PSYCHOLOGY. B.S., Trinity (Tex), 54, M.S., 56; Ph.D.(psychol), Iowa, 65. Asst. prof, Dakota Wesleyan, 59-63; Nat. Sci. Found. faculty fel, Iowa, 63-64, instr, 64-65; ASSOC. PROF. PSYCHOL, MANITOBA, 65- U.S.A.F., 56-57. Psychol. Asn. Social psychology of the psychological experiment; subjects' attitudes as a determinant of experiment behavior; experimenter bias. Publ: Verbal cues in the mediation of experimenter bias, Psychol. Reports, 68; Pre-experiment attitudes toward psychology as a determinant of experimental results: verbal conditioning of aware subjects, Am. Psychiat. Asn. Proc, 70; co-auth, The effects of systematic recording error versus outcome expectancy on latency of word association, J. Exp. Res. Personality, (in press). Address: 14 Tunis Bay, Winnipeg 19, Man, Can.
- ADAIR, DR. KENT THOMAS, b. Allegan, Mich, Jan. 21, 33; m. 55; c. 3. FOREST ECONOMICS. B.S., Colorado State, 58, Ph.D.(forest econ), 68; M.F., Oregon State, 61. Res. forester, Colorado State, 60-61, res. asst. forest econ, 61-63; asst. prof, Montana, 63-66; FORESTRY, MISSOURI-COLUMBIA, 66-69, ASSOC. PROF, 69- U.S.C.G., 51-54. Soc. Am. Foresters; Am. Forestry Asn; Psychol. Asn. Forest economics; forest products management; management of forest-based industries. Publ: A profile of lumber marketing in western Montana, 3/66 & co-auth, Economic impact study: Montana secondary highway 209, 10/67, Univ. Montana; auth, Supervision in the Missouri wood products industry, Univ. Missouri, 9/69. Address: Dept. of Forestry, University of Missouri-Columbia, Columbia, Mo. 65201.
- ADAMO, DR. EVELYN FELEPPA, b. Mt. Vernon, N.Y., Aug. 18, 36; m. 64; c. 2. CLINICAL PSYCHOLOGY. B.S., Boston, 59; M.A., Fordham, 61, Ph.D. (clin. psychol), 65. Med. soc. worker, Am. Red Cross, Va., 58-59; intern clin. psychol, Norwich Hosp., Conn, 62-64; res. psychologist, Douglas Hosp, Montreal, Que. 64-65; PSYCHOLOGIST, CLIN. PSYCHOL, 69- Res. asst, Child Develop. Center, New York, 60-62. Psychol. consult, Perkins Hosp, Jessup, Md, 67-; Prince George's County Ment. Health Clin, 69- Psychol. Asn. Psychodiagnosis; psychotherapy; research in psychopharmacology. Publ: Investigation of the effects of chlorpromazine on pain perception in schizophrenic patients. Abstracts, 86; co-auth, Changes in conditioning associated with clinical improvement in AGRP of schizophrenics, Rec. Adv. Biol. Psychiat, 66. Address: 8705 Crystal Rock Lane, Laurel, Md. 20810.

- ADAMS, DR. BENSON D(AVID). International Relations. See A-K Vol. 11th ed, Soc. & Behav. Vols. New information: Asst. prof. lectr. polit. sci., George Washington, 66-; lectr. govt. & polit., Maryland, 69-; mem. tech. staff, Anal. Serv. Inc., 69-; Address: Analytic Services Inc, 5613 Leesburg Pike, Falls Church, Va. 22041.
- ADAMS, DR. CALVIN (KELLY). Experimental Psychology. See A-K Vol. 11th ed, Soc. & Behav. Vols. New position & address: Asst. prof., 89-; Dept. of Ophthalmology, University of Florida Medical School, Gainesville, Fla. 32601.
- ADAMS, PROF. CLIFFORD R. Psychology. See A-K Vol. 11th ed, Soc. & Behav. Vols. New information: Lectr. psychol., Juniata Col., 66-; Address: 220 Ridge Ave, State College, Pa. 16801.
- ADAMS, DR. DALE W. b. Pleasant Grove, Utah, June 21, 34; m. 60; c. 3. AGRICULTURAL ECONOMICS. B.S. Utah State, 56; M.S. Mich. State, 61, Ph.D.(agr. econ), 64. Res. asst. agr. econ, Mich. State, 59-64; asst. prof., Wisconsin, 64-66; assoc. prof., Ohio State, 66; int. economist, Agency for Int. Develop., 68-69; ASSOC. PROF. AGR. ECON., OHIO STATE, 69-; Utah State Univ. consult. to Venezuela, 66; consult., Agency Int. Develop., 69-; U.S.A.F. 56-59, 1st Lt. Agr. Econ. Asst.; Econ. Asst. Soc. Int. Develop. Agricultural development in Latin America, especially capital formation, credit use, and adoption of new technology. Publ: Co-auth, Public Law 480 and Colombia's economic development, Graficas Vallejo, Medellin, Colombia, 64; auth, Economics of cost-share leases in less developed countries, Am. J. Agr. Econ. 68 & Rural migration and agricultural development in Colombia, Econ. Develop. & Cultural Change, 69. Address: College of Agriculture & Home Economics, Ohio State University, Columbus, Ohio 43210.
- ADAMS, PROF. DONALD KENDRICK. Education. See A-K Vol. 11th ed, Soc. & Behav. Vols. New position & address: Prof., 69-; 150 Social Science Bldg, University of Pittsburgh, Pittsburgh, Pa. 15213.
- ADAMS, DR. EDWARD LARRABEE, JR. b. Ann Arbor, Mich., May 9, 15; m. 53; c. 1. COUNSELING PSYCHOLOGY. A.B. Michigan, 37, M.A. 39; M.A. Minnesota, 49, Ph.D.(higher ed), 51. Instr. student counseling & sr. couns., Duke, 51-53; consult. psychologist, Rohrer, Hibler & Repligle, 53-60, staff partner, 60-62; prin., Edward L. Adams, Jr. & Assocs, 62-63; exec. partner, ADAMS, LAFFERTY, MADDEN & MOODY INC, 63-69; CHMN, 69-; Mem. Nat. Consult. Psychologists to Mgt. U.S.A., 41-46, Lt. Col. Psychol. Asst.; Personnel & Guid. Asst. Psychological consultation to management; individual career counseling; personal counseling. Publ: Common sense about cutting costs, Mgt. Rev. 8/58, Mirrors for managers, Mich. Bus. Rev. 11/58 & Total training for top executive executives, Adv. Mgt. 6/59. Address: 1850 Washtenaw Ave, Ann Arbor, Mich. 48104.
- ADAMS, DR. FRED THOMAS, b. Birmingham, Ala., Oct. 2, 18; m. 43; c. 2. SOCIOLOGY. A.B. Alabama, 52, M.A. 53; Ph.D.(sociol.), Tulane, 58; summer, Colorado, 64. Instr. sociol., Alabama, 53-54; Tulane, 55-56; asst. prof. SOCIOL. & ANTHROP. WOFFORD COL., 56-61; ASSOC. PROF. & CHMN. DEPT. 61-; U.S.A., 42-45. AAAS; Sociol. Asst. Asn. Phys. Anthropol. Nat. Coun. Family Relts. Occupations; human evolution; the American family. Publ: Way to modern man, Teachers Col. Columbia Univ., 68. Address: Dept. of Sociology, Wofford College, Spartanburg, S.C. 29301.
- ADAMS, PROF. JOHN BERRY. Journalism, Mass Communication. See A-K Vol. 11th ed, Soc. & Behav. Vols. New position: Dean, 69-; School of Journalism, 101 Howell Hall, University of North Carolina at Chapel Hill, Chapel Hill, N.C. 27514.
- ADAMS, DR. PHILIP R(GSS), b. Belem, Miss., July 25, 42. SOCIOLOGY. LAW. B.A. Mississippi, 64. M.A. 65. J.D. 68. ASST. PROF. SOCIOL. SOUTH. STATE COL. (ARK), 68-; Fed. Rep. W. Germany scholar. Sociol. Asn. Social theory; jurisprudence; rationalism; objectivism. Address: Route 2, Marks, Miss. 38846.
- ADAMS, DR. ROBERT L. b. Gooding, Idaho, Feb. 19, 34; m. 54; c. 3. SOCIOLOGY. B.Th. Northwest Christian Col., 56; M.Div. Lexington Theol. Sem., 67; Ph.D.(sociol.), Vanderbilt, 69. Instr. SOCIOL. Middle Tenn. State, 65; George Peabody Col., 65-66; Marquette, 66; ASSOC. PROF. PIKEVILLE COL., 68-; Mem. bd. dirs. bd. higher ed, Disciples of Christ, 68. Soc. Asn; Soc. Sci. Study Relig. Sociology of occupations and unemployment in Appalachia; sects in Appalachia. Publ: Co-auth. A bibliography of political sociology. Center for Soc. Orgn. Studies, Univ. Chicago 68 & Marriage, membership and mobility in church and sect, Sociol. Anal., 67. Address: Dept. of Sociology, Pikeville College, Pikeville, Ky. 41501.
- ADAMS, PROF. ROBERT SEXTON, b. White Oak, Tex., Sept. 4, 36; m. 57; c. 3. BUSINESS MANAGEMENT. B.B.A. North Texas State, 58, M.B.A. 61; Ph.D. (mgt.), La. State, 65. Assoc. prof. MGT, Texas Tech., 65-68; NORTH TEXAS STATE, 68-70, PROF. 70-; Predicting managerial success. Publ: The corporate promotables, Gulf, 69. Address: Dept. of Management, North Texas State University School of Business, Denton, Tex. 76203.
- ADAMS, DR. S. KEITH. Industrial & Human Factors Engineering. See Suppl. VI to 11th ed, Phys. & Biol. Vols.
- ADAMS, DR. SIDNEY. Psychology. See A-K Vol. 11th ed, Soc. & Behav. Vols. New information: Retired. Address: 241 N. Granada, Arlington, Va. 22203.
- ADAMS, DR. T(THOMAS) (WILLIAM). Political Science. Public Administration. See A-K Vol. 11th ed, Soc. & Behav. Vols. New position: Prof., Fed. Exec. Inst., 69-; Address: 2812 34th St. N.W., Washington, D.C. 20008.
- ADAMS, DR. W. P. Geography, Glaciology. See Suppl. VI to 11th ed, Phys. & Biol. Vols.
- ADAMS, PROF. WALTER. Economics. See A-K Vol. 11th ed, Soc. & Behav. Vols. New position: Distinguished univ. prof. econ. & emer. pres, Mich. State, 70-; Address: Dept. of Economics, Michigan State University, East Lansing, Mich. 48823.
- ADELMAN, PROF. IRMA. Economics. See A-K Vol. 11th ed, Soc. & Behav. Vols. New position & address: Fel. 70-; Center for Advanced Study in the Behavioral Sciences, 202 Junipero Serra Blvd, Stanford, Calif. 94305.
- ADELSON, DR. MARVIN. Psychology. See A-K Vol. 11th ed, Soc. & Behav. Vols. New information: Vpres. Info. Transfer Corp, 69-; lectr. soc. archit. & urban planning, California, Los Angeles. Address: Information Transfer Corp, 1505 Fourth St., Santa Monica, Calif. 90401.
- ADKINS, DR. WINTHROP (ROSS), b. Beirut, Lebanon, Oct. 25, 32; U.S. citizen; m. 58; c. 2. COUNSELING PSYCHOLOGY. A.B. Princeton, 55; M.A. Columbia, 59, Ph.D.(counseling psychol.), 63. Res. asst. career pattern study, teachers col., Columbia, 60-62; intern psychol., Vet. Admin. Hosps., 60-63; res. fel. center study personality, Harvard, 63-64; dir. spec. proj., Young Men's Christian Asn., Greater New York, 64-65; sys. develop. & eval. Training Resources for Youth, Inc, 65-67; ASSOC. PROF. psychol., York Col.(N.Y.), 67-68; PSYCHOL. & ED. TEACHERS COL., COLUMBIA, 68-; Consult. Can. Newstart Prog. soc. & human anal. pr., Dept. Regional Econ. Expansion, 67-; mem. bd. dirs., Young Men's Christian Asn., Greater New York, 68-; U.S.N. 55-58, Lt. Psychol. Asst.; Ed. Res. Asst.; Personnel & Guid. Asst.; Soc. Psychol. Study Social Issues. Development and evaluation of research and development organizations and educational and training programs. methods for inducing socio-psychological behavioral change for the career development of special populations, particularly the disadvantaged. Publ: Co-auth. A proposal for a comprehensive training center for disadvantaged adolescents, privately pub., 65; auth. A design for action research at Project TRY, U.S. Of. Ed. Report, 68. Address: Dept. of Psychology, Teachers College, Columbia University, New York, N.Y. 10027.
- ADLER, PROF. DAN(EL) (LESLIE). Psychology. See A-K Vol. 11th ed, Soc. & Behav. Vols. New information: On leave from San Francisco State Col. as assoc. secy, 69-; American Association of University Professors, 1 Dupont Circle N.W., Washington, D.C. 20036.
- ADLER, DR. KENNETH (PAUL). Political Science. See A-K Vol. 11th ed, Soc. & Behav. Vols. New position: Dept. asst. dir., 69-; Research Service, U.S. Information Agency, 1750 Pennsylvania Ave, Washington, D.C. 20547.
- ADLER, DR. LETA MCKINNEY. Sociology. See A-K Vol. 11th ed, Soc. & Behav. Vols. New information: Res. coordinator, Los Angeles Co. Dept. of Hosps., 69-; Address: 2265 Prosser Ave, Los Angeles, Calif. 90064.
- ADLER, DR. MANFRED, b. Germany, Dec. 21, 36; U.S. citizen; m. 60; c. 2. PSYCHOLOGY. B.S. in Ed. Kent State, 60, M.Ed. 62, Ph.D.(ed. psychol., spec. ed.), 65. Teacher, pub. schs., Ohio, 60-62; intern sch. psychol., South End-Lyndhurst Sch., 62-63; sch. psychologist, North Olmsted, 63-64; 64-65; ASST. PROF. spec. ed., Ball State, 65-68; ED. JOHN CARROLL, 66-; Consult. ment. health planning cmt., Welfare Dep. Cuyahoga County, Ohio; psychol. consult. E. Cleveland Schs., 67-; child care consult. & columnist, Cleveland Press, 67-; child care consult., WUAB, 69-; Psychol. Asst.; Coun. Except. Children; Asst. for the Gifted; Nat. Asst. Gifted Children; Nat. Soc. Study Ed. Soc. Psychol. Study Social Issues. Child psychol.; special education. Publ: A parent's manual: questions and answers to problems of child growth and development, C.C. Thomas, (in press); The ethnology of a group of gifted children, Gifted Child Quart., spring 64 & Intelligence testing of the culturally disadvantaged: some pitfalls, J. Negro Ed., fall 68. Address: Dept. of Education, John Carroll University, Cleveland, Ohio 44118.
- ADLER, DR. PETER T(THOMAS), b. Vienna, Austria, July 5, 34; U.S. citizen; m. 58; c. 3. CLINICAL PSYCHOLOGY. B.S. Union Col.(N.Y.), 55; Ph.D. (psychol.), N.Y. Univ., 61. Res. asst. psychol. Child Development Center, New York, N.Y. 56-60; clin. psychol. trainee, Vet. Admin. 57-61; staff psychologist, Southeast Nassau Guid. Center, Seaford, N.Y., 61; Metrop. Hosp.-N.Y. Med. Col., 61-62, instr. psychiat., 62-65, asst. prof., 65-70, chief psychologist, 68-70; DIR. COMMUNITY CONSULT. DIV. HOMESTEAD HOSP. & COMMUNITY MENT. HEALTH CENTER, 70-; Sr. psychologist, Metrop. Hosp.-N.Y. Med. Col., 65-67, acting chief psychologist, 67-68. Consult. psychologist, Washington Square Consult. Center, 61-63; Community Guid. Serv., 63-; Psychol. Asst.; Soc. Clin. & Exp. Hypnosis. Training in psychology; community psychology; application of clinical techniques in urban disadvantaged communities; psychological evaluation of disadvantaged minority groups. Publ: Ethnic and socio-economic differences in human figure drawings, J. Consult. & Clin. Psychol., 70; Internship training for a contemporary profession of psychology, Psychol. Psychol., 70; The scientist-practitioner model and the professional school: some shibboleths reexamined, Clin. Psychologist, 70. Address: Dept. of Psychiatry, New York Medical College, New York, N.Y. 10029.
- ADLER, DR. PHILIP, JR. b. Cincinnati, Ohio, Aug. 29, 30; m. 66; c. 1. MANAGEMENT. B.S. Ohio State, 52, Ph.D.(gen. & personnel mgt. theory), 66; M.B.A. Miami (Fla), 57. Indust. engr. air arm dir., Westinghouse Elec. Corp., 54-55; civilian supvr. orgn. & personnel statist. sect, Ha. Air Res. & Develop. Command, U.S. Air Force, 55; instr. gen. personnel & prod. mgt. sch. bus. Miami (Fla.), 55-59; asst. instr. gen. & personnel mgt. col. commerce, Ohio State, 59-61; asst. prof. GEN. PERSONNEL & RES. & DEVELOP. MGT. SCH. INDUS. TECH. INST. TECH., 62-68; ASSOC. PROF., 68-; ASST. CLIN. PROF. PHYS. MED. & REHAB. SCH. MED. EMORY, 69-; Spec. mgt. consult. exec. staff, Nat. Commun. Disease Center, U.S. Pub. Health Serv., 67; spec. res. consult. U.S. Civil Serv. Cmn., 69. U.S.A.F., 52-54; Res. 54-, Maj. Acad. Mgt. Systematizing general management theory; application of engineering systems theory to management; management of scientific and engineering research and development programs; management of medical research and health systems; transportation management. Publ: Railroad picture still grim, Atlanta J., 4/64; Motivating research technicians: an application of behavioral science theory to the research and development organization, Res. Mgt., 5/68; Toward a system of general management theory, South. J. Bus., 7/69. Address: College of Industrial Management, Georgia Institute of Technology, Atlanta, Ga. 30332.

- ADLERSTEIN, DR. ARTHUR MARK. Psychology. See A-K Vol. 11th ed, Soc. & Behav. Vols. Change of address: 41 Wensley Dr, Great Neck, N.Y. 11021.
- ADORNO, PROF. DAVID SAMUEL, b. New Britain, Conn. June 17, 27; m. 49; c. 4. MATHEMATICS, STATISTICS. B.A., Texas, 53; M.A., Pa. State, 55; Ph.D. (statist.), Harvard, 63. Sr. res. mathematician, Jet Propulsion Labs, Calif. Inst. Tech, 59-62; res. staff mem. Int. Bus. Mach. Corp, 62-64; assoc. prof. ops. res. N.Y. Univ, 64-65; Fulbright prof. statist., Madrid, 65-66; assoc. prof. MATH, Hartford, 66-69; PROF. & CHMNS. DEPT. ITHACA COL., 69-70. Form. mem. Spain's Higher Res. Coun, Madrid & Ops. Res. Inst. Spain, 66-70. U.S.A.F., 45-51. Math. Soc; Math. Assn; Am. Statist. Assn. Mathematical and statistical theory of control systems; applied spectral analysis. Publ: Optimal control of certain linear systems with quadratic loss functions, Info. & Control, 3/62; co-auth. Digital synthesis of correlated stationary noise, Cmn. Assn. Comput. Math., 7/62. Address: 435 Elm St, Ithaca, N.Y. 14850.
- AFFINITO, DR. MONA GUSTAFSON. Psychology. See A-K Vol. 11th ed, Soc. & Behav. Vols. New position: Prof, 69-, Dept. of Psychology, Southern Connecticut State College, 501 Crescent St, New Haven, Conn. 06515.
- AFFLECK, DR. D(AN) CRAIG. Psychology. See A-K Vol. 11th ed, Soc. & Behav. Vols. New position & address: Assoc. dean col. med, 68-, University of Nebraska Medical Center, 42nd & Dewey Ave, Omaha, Nebr. 68105.
- AFFLECK, DR. MARILYN, b. Logan, Utah, July 1, 32. SOCIOLOGY. B.A., Oklahoma, 54; M.A., Brigham Young, 57; Ph.D. (sociol.), California, Los Angeles, 66. Instr. SOCIOL. Cent. State Col, 58-60; ASST. PROF., Fla. State, 66-68; OKLAHOMA, 68-80. Sociol. Assn. Sociology of mental retardation; minority group relations. Publ: Reactions to marginality: a comparison of mentally retarded and ethnic minorities, Univ. Microfilms, 66; co-auth. Labor mobility and industrialization in a Utah county, Soc. Forces, 57-58 & Health care of school children: variations among ethnic groups, J. Sch. Health, 5/69. Address: Dept. of Sociology, University of Oklahoma, Norman, Okla. 73069.
- AFRIAT, PROF. S(YDNEY) N(APHTALD). Economics, Mathematics. See A-K Vol. 11th ed, Soc. & Behav. Vols. New position & address: Prof, 68-, Dept. of Economics, University of North Carolina at Chapel Hill, Chapel Hill, N.C. 27514.
- AFZAL, DR. MUHAMMAD. Economics, Agricultural Economics. See A-K Vol. 11th ed, Soc. & Behav. Vols. New position & address: Assoc. prof, 68-, University of Alabama at Huntsville, P.O. Box 1207, Huntsville, Ala. 35807.
- AGASSI, PROF. JOSEPH. Philosophy, History of Science. See 5th ed, Dir. Am. Scholars, Vol. IV, Philos. & Relig. & Law.
- AGATA, PROF. BURTON C. Law. See 5th ed, Dir. Am. Scholars, Vol. IV, Philos. & Relig. & Law.
- AGGER, PROF. ROBERT E. Political Science. See A-K Vol. 11th ed, Soc. & Behav. Vols. New position & address: Prof, 69-, Dept. of Political Science, McMaster University, Hamilton, Ont. Can.
- AGINSKY, DR. BERNARD W. Anthropology. See A-K Vol. 11th ed, Soc. & Behav. Vols. Change of address: 939 Coast Blvd, La Jolla, Calif. 92037.
- AGNEW, CAPT. ROBERT A, U.S.A.F., b. Atlanta, Ga., Jan. 9, 42; m. 65. APPLIED MATHEMATICS, OPERATIONS RESEARCH. B.S., M.E., Cornell, 64; M.S., Northwestern, 67. Ph.D. (appl. math), 68. U.S. AIR FORCE, 64-, ASST. PROF. OPERS. RES., U.S. AIR FORCE INST. TECH, 68-80. Ops. Res. Soc. Am; Inst. Mgt. Sci; Inst. Math. Statist. Applications of probability theory. Publ: Co-auth. On the superposition of point processes, J. Royal Statist. Soc., 68 & An application of chance constrained programming to portfolio selection in a casualty insurance firm, Mgt. Sci., 69. Address: Dept. of Systems Management, U.S. Air Force Institute of Technology, Wright-Patterson Air Force Base, Ohio 45433.
- AGOGINO, DR. GEORGE A. Anthropology. See A-K Vol. 11th ed, Soc. & Behav. Vols. New information: Also dir, Miles Mus., East. N.Mex. Univ. Campus & Blackwater Draw State Mus. Address: Dept. of Anthropology, Box 2154, Eastern New Mexico University, Portales, N.Mex. 88130.
- AGOR, DR. WESTON H(ARRIS), b. Salamanca, N.Y. Dec. 30, 39; m. 63; c. 1. POLITICAL SCIENCE. B.A., St. Lawrence, 61; M.P.H., Michigan, 63; Ph.D. (polit. sci.), Univ. Wkt. Prctcr, 66. U.S. AIR FORCE, 64-, finance analyst, Ford Motor Co. Int., summer 69; ASST. PROF. POLIT. SCI., WIS. STATE, OSHKOSH, 69-70. Polit. Sci. Assn; Latin Am. Studies Assn; Soc. Prof. Admin. Latin American legislatures; ownership and directorship of enterprises, banks and insurance companies in Chile. Publ: The Chilean Senate: internal distribution of influence, Univ. Texas, 71; The role of the senate in the Chilean political system, In: Legislatures in developmental perspective, Duke Univ., 70; Autonomy of Chilean Senate standing committees, J. Latin Am. Studies, 5/70. Address: 1508 Southland Ave, Oshkosh, Wis. 54901.
- AHEARN, DR. DANIEL S(TEPHEN). Economics. See A-K Vol. 11th ed, Soc. & Behav. Vols. Change of address: 28 State St, Boston, Mass. 02109.
- AHLBERG, PRES. CLARK D(AVID). Political Science, Public Administration. See A-K Vol. 11th ed, Soc. & Behav. Vols. New position & address: Pres, 68-, Wichita State University, Wichita, Kans. 67208.
- AHMAD, DR. S(YED) SHAMUDDIN. Psychology. See A-K Vol. 11th ed, Soc. & Behav. Vols. New position & address: Assoc. prof, 69-, Dept. of Psychology, University of Prince Edward Island, Charlottetown, P.E.I., Can.
- AHMANN, PROF. JOHN STANLEY. Educational Psychology. See A-K Vol. 11th ed, Soc. & Behav. Vols. New information: Also dir, human factors res. lab, 69-, Colorado State University, Ft. Collins, Colo. 80521.
- AHOKAS, DR. JAAKKO ALFRED. Finnish Literature & Civilization, Romance Languages. See 5th ed, Dir. Am. Scholars, Vol. III, For. Lang.
- AHRENS, DR. CURTIS LAVERNE. Agricultural Economics. See A-K Vol. 11th ed, Soc. & Behav. Vols. Change of address: Agricultural Resource Development Branch, Tennessee Valley Authority, AF-108, NFDC, Muscle Shoals, Ala. 35660.
- AHSAN, PROF. S. REZA, b. India, Mar. 31, 37; m. GEOGRAPHY. B.Sc., Aligarh Muslim Univ, India, 54; LL.B. & M.Sc., 56; Ph.D. (geog.), Florida, 63. Lectr. GEOG, Dacca, 56-58; asst. prof., Western Kentucky, 62-63; Haile Selassie, 63-67; assoc. prof., Wis. State, Stevens Point, 67-68; WESTERN KENTUCKY, 68-70, PROF., 70-80. Asn. Am. Geog. Soc; Nat. Coun. Geog. Ed. Cartography; alphoto interpretation; agriculture and settlement; regional interests in South Asia; East Africa; Central America. Publ: Developments in Indian iron and steel industry, Oriental Geographer, 57; co-auth. India's agricultural problem, Focus, 9/63; auth. Ecological distribution of elderly population in Florida counties, Sociol. Symp., spring 69. Address: Dept. of Geography, Western Kentucky University, Bowling Green, Ky. 42101.
- AINSWORTH, DR. ARTHUR DAVID. Political Science. See A-K Vol. 11th ed, Soc. & Behav. Vols. New position & address: Chmn, 68-, Dept. of History & Political Science, American College of Switzerland, Leysin, Switz. 1854.
- AINSWORTH, PROF. LABAN LINTON, JR. Psychology. See A-K Vol. 11th ed, Soc. & Behav. Vols. New position: Assoc. prof. & chmn, 70-, Division of Social Sciences, Indiana University Southeast, Jeffersonville, Ind. 47130.
- AIRASIAN, DR. PETER W, b. Cambridge, Mass. Apr. 18, 42; m. 67; c. 1. EDUCATIONAL RESEARCH. A.B., Harvard, 64; A.M., Chicago, 67. Ph.D. (ed), 69. Sr. psychometrist, California, Los Angeles, summer 68; ASST. PROF. ED. & RES. ASSOC., CATH. ED. RES. CENTER, BOSTON COL., 69-80. Ed. Res. Assn; Nat. Coun. Measurement in Ed. Student and curriculum evaluation, especially formative evaluation; formative instrument construction; Catholic school survey research. Publ: Formative evaluation instruments, Irish J. Ed., 68 & The use of hierarchies in the planning and analysis of chemistry instruction, Sci. Ed., 70. Address: Catholic Education Research Center, Boston College School of Education, Chestnut Hill, Mass. 02167.
- AKERS, DR. RONALD L(OUIS), b. New Albany, Jan. 7, 39; m. 58; c. 2. SOCIOLOGY. B.S., Indiana State, 60; M.A., Kent State, 61; Nat. Sci. Found. fel., Kentucky, 62-65. Ph.D. (sociol.), 66. Instr. SOCIOL., Kent State, 61-62; asst. prof., WASHINGTON (SEATTLE), 65-69; ASSOC. PROF., 69-80. Social Assn; Law & Society Assn. Criminology; delinquency; deviant behavior; law and administration of justice; occupations and professions; complex organizations. Publ: Co-auth. Differential association-reinforcement theory of criminal behavior, Social Probs, fall 66 & Differential organization of health professions: a comparative analysis, Am. Sociol. Rev., 2/68; auth. Problems in the sociology of deviance: social definitions and behavior, Soc. Forces, 6/68. Address: Dept. of Sociology, University of Washington, Seattle, Wash. 98105.
- AKHTAR, DR. MOHAMMAD, b. Delhi, India, June 5, 35; m. 67; c. 1. PSYCHOLOGY. B.A., Islamia Col, Lahore, Pakistan, 55; M.A., Karachi, 57. Ph.D. (psychol.), Illinois, Urbana, 62. Asst. prof. PSYCHOL., Northern Illinois, 62-63; Marquette, 63-66; sr. lectr., Karachi, 66-69; ASSOC. PROF., SLIPPERY ROCK STATE COL., 69-80. U.S. Pub. Health Serv. summer fel, 65; res. funds, Karachi, 67-69. AAAS; Psychol. Assn. Punishment; partial reinforcement; learning theory; motivation; experimental psychopathology; personality; cross-cultural studies. Publ: Increased resistance to punishment as a function of counter-conditioning, J. Comp. Physiol. Psychol., 64: 268-272; Role of anticipation of post-session feeding in increasing resistance to punishment, 12: 347-348 & Resistance to consistent shocks as a function of training schedules of interspersed shocks, 18: 281-283. Psychonomic Sci. Address: Dept. of Psychology, Slippery Rock State College, Slippery Rock, Pa. 16057.
- AKPAN, DR. MOSES EKPO, b. Otoro-Abak, Nigeria, Mar. 25, 33; m. 58; c. 3. POLITICAL SCIENCE. B.A., Capital Univ, 64; Eastern Annang County, Nigeria scholar, Southern Illinois, 64-66; M.A., 66, Ph.D. (polit. sci.), 69. Prin. pub. schs, Abak-Nigeria, 56-61; teaching asst. polit. sci., Southern Illinois, 64-66; asst. prof. hist. & polit. sci., Jackson State Col., 66-67; assoc. prof. POLIT. SCI., Southern Univ, 67-70; PROF. S.C. STATE COL., 70-80. Summers, lectr., Nat. Defense Ed. Act Adv. Civics Inst., Southern Univ, 68, dir. Ed. Professions Develop. Act Adv. Civics Inst., 69. Consult., Peace Corps, Lebanon, 68. Prof. Sci. Assn; Int. African Studies Assn. International relations; comparative government. Address: Division of Social Sciences, South Carolina State College, Orangeburg, S.C. 29115.
- AKUTAGAWA, DR. DONALD. Clinical Psychology. See A-K Vol. 11th ed, Soc. & Behav. Vols. New position: Chief community serv. lrr, 68, Wash. Guid. Center, 69- Address: 11400 N.E. Main St, Bellevue, Wash. 98004.
- AL-AMEEN, DR. ABDUL W, b. Baghdad, Iraq, May 7, 38. ECONOMICS. B.A., Baghdad, 60; M.A., Sheffield, 64; Ph.D. (econ.), Southern California, 68. Teacher, high sch., Iraq, 60-61; asst. dir. res. dept. State Econ. Org., Baghdad, 64-65; asst. dir. statist. & res. dept., Iraq Reins. Co., 65-66; lectr. price theory, Univ. Col. Baghdad, 65-66; teaching asst., Southern California, 67-68; asst. prof. ECON., Stanislaus State Col., 68-69; ASSOC. PROF., NEVADA, LAS VEGAS, 69-80. Res. counsr., West Interstate Cmn. Higher Ed., Univ. Colorado, 69-80. Am. Econ. Assn; Iraqi Econ. Assn. International trade and development; economic systems and planning. Address: Dept. of Economics, University of Nevada, Las Vegas, Nev. 89109.
- ALBAUM, DR. MELVIN, b. New York, N.Y., July 13, 36; div; c. 1. GEOGRAPHY. B.A., City Univ, New York, 60; Nat. Defense Ed. Act fel. & M.S., Wisconsin, 64; Cmn. Instr. Coop. exchange scholar, Michigan, fall 67; fel. Am. Res. Center, Egypt, 67; Ph.D. (pop. geog.), Ohio State, 69. Instr. GEOG., City Col. New York, summer 64; Ohio State, 64-68; ASST. PROF., KEN-

- TUCKY, 68- U.S.A. 55-56, Sgt. Am. Geog. Soc.; Asn. Am. Geog. Pop. Asn. Am.; Regional Sci. Asn.; Mid. East Studies Asn. N.Am. Population processes in spatial systems; utilization of quantitative methods and computers in geographic research; demographic processes in the Middle East. Publ: Cooperative agricultural settlement in Egypt and Israel, Land Econ. 5/66. Address: Dept. of Geography, University of Kentucky, Lexington, Ky. 40506.
- ALBERTS, DR. DAVID STEPHEN, b. New York, N.Y., Dec. 4, 42; m. 65. OPERATIONS RESEARCH, COMPUTER SCIENCE. B.B.A., City Col. New York, 64; M.S. Pennsylvania, 66, Ph.D. (opers. res.) 69. Instr. mgt, SCH. COMMERCE, N.Y. UNIV., 66-69, asst. prof., 69, ASST. PROF. OPERS. RES. & DIR. COMPUTER SCI. PROG., 69. Instr. Mgt. Sci. Inst. Planners. Application of operations research methodology to the formulation of objective functions for social services. Publ: Plan for measuring the effectiveness of social services, Praeger, 70. Address: 514 West End Ave, New York, N.Y. 10024.
- ALBINSKI, PROF. HENRY STEPHEN. Political Science. See A-K Vol, 11th ed, Soc. & Behav. Vols. New information: Vis. prof. of Univ. Queensland, Australia, 70. Publ: Politics and foreign policy in Australia, Duke Univ. Address: Dept. of Political Science, Pennsylvania State University, 129 Sparks Bldg, University Park, Pa. 16802.
- ALBRECHT, DR. H(AROLD) ROBERT. Clinical Psychology. See A-K Vol, 11th ed, Soc. & Behav. Vols. New information: Private practice clin. psychol., 69- Address: 179 1/2 E. Main St, Chillicothe, Ohio 45601.
- ALBRECHT, PROF. PAUL A(BRAHAM). Psychology. See A-K Vol, 11th ed, Soc. & Behav. Vols. New information: Also chmn. grad. planners bus. econ, Claremont Grad. Sch., 68- Address: 645 W. Tenth St, Claremont, Calif. 91711.
- ALBRIGHT, DR. MARY JOAN, b. Parkersburg, W.Va, July 28, 32. CLINICAL PSYCHOLOGY. B.A., Ohio Dominican Col, 54; M.A., Fordham, 56, Ph.D. (clin. psychol.), 66. Sch. psychologist, bd. ed, Newark, N.J., 55-57; staff psychologist, St. Charles Child Guid. Clin., Brooklyn, N.Y., 57-59; Asst. Health Dist. Child Guid. Clin., Baltimore, 59-61; instr. med. psychol., SCH. MED. MARYLAND, 61-66, ASST. PROF. MED. PSYCHOL. & CHIEF PSYCHOLOGIST CHILD PSYCHIAT. 66- Consult, Mt. St. Agnes Col., 67-; Harford & Cecil Counties Suppl. Ed. Center. Visual perception and reading retardation; abstract thinking; social psychological factors leading to pregnancies in teenage girls. Address: Dept. of Medical Psychology, University of Maryland School of Medicine, Baltimore, Md. 21201.
- ALDERFER, DR. CLAYTON P(AUL). Organizational Behavior. See A-K Vol, 11th ed, Soc. & Behav. Vols. New position & address: Asst. prof., 68- Dept. of Administrative Sciences, Yale University, New Haven, Conn. 06520.
- ALDRICH, DR. BRUCE W., b. Port Chester, N.Y., Jan. 28, 43. SOCIOLOGY. A.B., Rollins Col, 65; M.A. North Carolina, 67, Ph.D. (sociol.), 70. ASST. PROF. SOCIOL., Fla. State, 69-70; MIAMI (FLA), 70- Sociol. Asn. Social psychology; sociological origins of achievement motivation and anticipated occupational mobility in adolescents. Address: Dept. of Sociology, University of Miami, Coral Gables, Fla. 33124.
- ALDRICH, DR. HOWARD EARL, b. Ore, Nov. 19, 43; m. 65; c. 1. SOCIOLOGY. B.S., Bowling Green; 65; M.S., Michigan, 66, Ph.D. 69. Res. asst. soc. clin., Michigan, 65-69; ASST. PROF. ORGN. BEHAV., CORNELL, 69. Sociol. Asn.; Polit. Sci. Asn. The relationship of organizations to their environments; political and urban sociology; small businesses in urban areas. Publ: Co-auth. A panel study of small businesses, In: Crime against small business, U.S. Govt. Printing Off., 69. Address: 390 Ives, Dept. of Organizational Behavior, N.Y. State School of Industrial & Lab. Relations, Cornell University, Ithaca, N.Y. 14850.
- ALDRICH, DR. (TERRY) MARK, b. Pelham, Mass., Oct. 18, 41; m. 65. ECONOMICS, ECONOMIC HISTORY. B.A., Middlebury Col, 63; Earlhart fel. & M.A., California, Berkeley, 64; Rovensky & univ. fel., Texas, Austin, 66-68, Ph.D. (econ), 69. ASST. PROF. ECON., SMITH COL., 68- Econ. Hist. Asn. American economic history. Publ: Rates of return earned on investment in formal technical education in the ante-bellum American economy, J. Econ. Hist. 3/70. Address: Dept. of Economics, Smith College, Northampton, Mass. 01060.
- ALERS, DR. J. OSCAR, b. New York, N.Y., Apr. 15, 33; m. 56; c. 2. SOCIOLOGY. B.A., City Col. New York, 55; A.M., Harvard, 59; Michigan, summer 60; Ph.D. (sociol.), Cornell, 66. Lectr. sociol., City Col. New York, summer 58; res. asst., Michigan, 60-61; res. assoc. anthropol., Cornell, 64-65, vis. asst. prof. indust. & labor rels., 65-68; ASST. PROF. SOCIOL., BOSTON COL., 68- Co-dir. field activities & data anal. Inst. Peruvian Studies, Lima, Peru, 65-67. U.S.A. 55-57. Sociol. Asn.; Latin Am. Studies Asn.; Pop. Asn. Am. Population, social change and development in Latin America; development of attitudes toward fertility and consequences of population growth; Spanish-American minorities in the United States. Publ: Co-auth. La migración en el Perú: un inventario de proposiciones, Centro Estudios Población y Desarrollo, 68; auth. The quest for well-being, Am. Behav. Scientist, 3/65 & Population and development in a Peruvian community, J. Inter-Am. Studies, 10/65. Address: Dept. of Sociology, Boston College, Chestnut Hill, Mass. 02167.
- ALEXAKOS, DR. CONSTANTINOS, b. Tripolis, Greece, Aug. 21, 28; m. 60; c. 4. COUNSELING, EDUCATIONAL PSYCHOLOGY. B.A., Nat. Univ. Athens, 58; M.Ed., Harvard, 61; Chicago, 61-62; Ph.D. (counseling), Wisconsin, 65. Res. assoc. counseling, Wisconsin, 65-66; asst. prof. West Virginia, 66-69; ASST. PROF. ED., NORTHERN IOWA, 69. U.S. Off. Ed. grant, 69-70. Nat. Greek Amer. 50-53. Li. Psychol. Asn.; Ed. Res. Asn.; Personnel & Guid. Asn. Personality development and measurement; evaluation of counseling effectiveness. Publ: Highlights of standardized testing, Lippincott, 69; co-auth. Post-high school performances of superior students, Personnel & Guid. J., 67 & Overlap between achievement and aptitude, Measurement & Eval. in Guid., 69. Address: 1421 Olive St, Cedar Falls, Iowa 50613.
- ALEXANDER, DR. A. JOHN. Intellectual History. See 5th ed, Dir. Am. Scholars, Vol. I, Hist.
- ALEXANDER, DR. JACOB P(ETER). Economics. See A-K Vol, 11th ed, Soc. & Behav. Vols. New position: Prof., 69-, Dept. of Economics, University of California, Santa Barbara, Calif. 93106.
- ALEXANDER, DR. JAMES F., b. Tulsa, Okla., Mar. 23, 41; m. 64. PSYCHOLOGY. B.A., Duke, 62; M.A., Calif. State Col. Long Beach, 65; Ph.D. (psychol.), Mich. State, 67. ASST. PROF. CLIN. PSYCHOL., UTAH, 68- Univ. Utah Res. Cmt. grants, 68-70; Biomed. Sci. support grant, 69-70. Consult, Vet. Admin. Hosp., Salt Lake City, Utah, 69- Ed, Personality: An Int. J., 69- Psychol. Asn. Family interaction and therapy; interpersonal behavior; communication. Publ: The therapist as a model—and as himself, Psychotherapy, Res. & Practice, 67; Dependency changes in psychotherapy as related to interpersonal relationships, J. Consult. & Clin. Psychol., 68; Psychotherapy process: sex differences and dependency, J. Counseling Psychol., 69. Address: Dept. of Psychology, University of Utah, Salt Lake City, Utah 84112.
- ALEXANDER, DR. JOHN W(ESLEY). Geography. See A-K Vol, 11th ed, Soc. & Behav. Vols. Change of address: Inter-Varsity Christian Fellowship of the U.S., 620 N. Carroll St, Madison, Wis. 53703.
- ALEXANDER, DR. ROBERT H(AROLD). Psychology. See A-K Vol, 11th ed, Soc. & Behav. Vols. Change of address: Suite 1012, Atlantic Coastline Bldg, Jacksonville, Fla. 32216.
- ALEXANDER, PROF. ROBERT J(ACKSON). Economics, Political Science. See A-K Vol, 11th ed, Soc. & Behav. Vols. New publ: An introduction to Argentina, Praeger, 69. Address: Dept. of Economics, Rutgers, The State University, New Brunswick, N.J. 08903.
- ALEXANDER, ROBERT M. Economics, Government. See A-K Vol, 11th ed, Soc. & Behav. Vols. New position: Dir. Air Resources Center, Oregon State University, Corvallis, Ore. 97331.
- ALEXANDER, DR. SHELDON. Social Psychology. See A-K Vol, 11th ed, Soc. & Behav. Vols. New position: Health Scientist adminstr., 67-, Behavioral Sciences Training Branch, National Institute of Mental Health, 5454 Wisconsin Ave, Chevy Chase, Md. 20015.
- ALEXANDRIDES, DR. COSTAS G., b. Athens, Greece, Sept. 28, 29; U.S. citizen; m. 52. MANAGEMENT, ECONOMICS. A.B., Georgia, 51; Ph.D. (int. rels. econ), N.Y. Univ., 61; cert. Long Island, 65. Econ. affairs officer, UN, New York, 52-55; chmn. UN lect. series, N.Y. Univ., 62-63; dir. UN studies, New Sch. Soc. Res., 63-66; ASSOC. PROF. MGT., GEORGIA STATE, 67- Adj. assoc. prof., Long Island, 65-66; City Col. New York, 66; dir. Fed-State grant int. bus. sys., 68- Econ. Asn.; Mgt. Asn. Computer systems for international business decision-making; quantitative methods for international market research. Publ: Ed. International business systems, Ga. State Univ., 69; auth. State of Georgia in world trade, J. Res. Essays Int. Bus., 68 & Computer application to international market research: a quantitative approach to export expansion and market development, Int. Bus., 70. Address: 3433 Paces Forest Rd, N.W., Atlanta, Ga. 30327.
- ALGER, PROF. CHADWICK F(AIRFAX). Political Science, International Relations. See A-K Vol, 11th ed, Soc. & Behav. Vols. Change of address: 2236 Wesley Ave, Evanston, Ill. 60201.
- ALIGWEKWE, DR. EVALYN. Political Science. See A-K Vol, 11th ed, Soc. & Behav. Vols. New position & address: Assoc. prof., 69-, Dept. of History & Political Science, Marietta College, Marietta, Ohio 45750.
- ALISKY, PROF. MARVIN HOWARD. Political Science. See A-K Vol, 11th ed, Soc. & Behav. Vols. Publ: Uruguay: a contemporary survey, Praeger, N.Y. & Pall Mall, London, 69 (title change). New publ: Who's who in Mexican Government, CLAS Press, 69. Address: 44 W. Palmdale Dr, Tempe, Ariz. 85281.
- ALIX, DR. ERNEST KAHLAR, b. Lockport, N.Y., Mar. 28, 39; m. 62; c. 1. SOCIOLOGY. B.A., N.Cent. Col, 62; M.A., Southern Illinois, 64, Ph.D. (sociol.), 66. Asst. prof. sociol., State Univ. N.Y. Buffalo, 66-67; ASST. PROF. SOCIOL. & ASST. DIR. COMMUNITY DEVELOP. SERVICES, SOUTHERN ILLINOIS, 67- Grant, dir. automation, manpower & retraining, U.S. Dept. of Labor, 65-67. Training eval. consult., Nat. Easter Seals Soc. Crippled Children & Adults, 68-69; environ. control & community health sect., U.S. Pub. Health Serv., 69. Sociol. Asn.; Soc. Study Social Probs; Rural Sociol. Soc.; Community Develop. Soc. Criminology; community disorganization and reorganization; social psychological adaptations to individual and community failure; evaluative research on social action programs; models of community subsystem change. Publ: A case of limited debaratization in a small town city council, Buffalo Studies: Studies Sociol., 12/67; A conceptual model of change among community subsystems, Sociol. Quart., fall 68; The functional interdependence of crime and community social structure, J. Criminal Law, Criminol. & Police Sci., fall 69. Address: Dept. of Sociology, Southern Illinois University, Carbondale, Ill. 62901.
- ALKIRE, DR. EDWARD M(ORGAN). Psychology, Counseling. See A-K Vol, 11th ed, Soc. & Behav. Vols. Change of address: 2305 Calle Monte Cristo, San Clemente, Calif. 92672.
- ALKIRE, DR. WILLIAM HENRY, b. Bremerton, Wash., June 6, 35; m. 67. ANTHROPOLOGY. B.A., Washington (Seattle), 57; M.A., Hawaii, 59; Nat. Insts. Health fel., Illinois, Urbana, 60-64, grant, 62, Ph.D. (anthrop.), 65. Mus. adhe ethnol., U.S. Nat. Mus., Smithsonian Inst., summer 60; res. assoc.

- anthrop. Bernice P. Bishop Mus., Honolulu, Hawaii, 64-66; asst. prof., Univ. Hawaii, 66-67; asst. prof., San Francisco State Col., 67-68; lectr. anthrop. & geog. Malaya, 68-69; ASSOC. PROF. ANTHROP., VICTORIA, 70- Nat. Sci. Found. res. grant, 64-66; lectr. & consult, Micronesia Peace Corps Training, 66. Fel. Anthropol. Asn.; Ethnol. Soc.; Polynesian Soc. Ethnology and social anthropology of Micronesia, Oceania and Southeast Asia. Publ.: Lamotrek Atoll and inter-island socioeconomic ties, Univ. Illinois, 65; Porpoises and taro, Ethnology, 68 & Systems of measurement on Woleai Atoll, Caroline Islands, Anthropos, 70. Address: Dept. of Anthropology, University of Victoria, Victoria, B.C., Can.
- ALKOV, DR. ROBERT ADOLF, b. Pensacola, Fla., Aug. 4, 33; m. 60; c. 2. EXPERIMENTAL PSYCHOLOGY. B.S. Fla. State, 60, M.S. 62, Ph.D. (exp. psychol.), 65. Res. asst. aviation psychol. George Washington, 65-66; head training factors br., Naval Aviation Safety Center, 66-67. HEAD BEHAV. SCI. DIV., NAVAL SAFETY CENTER, 67- Lectr. Asst. Shore Bfr., Univ. Virginia, 68- U.S.N. 53-58, Res. 59, Lt. Comdr. AAAS; Psychol. Asn.; Human Factors Soc. Asn. Aviation Psychol. Comparative psychology; aviation human factors; mission-task analysis of rotary wing instrument flight; human error research and analysis. Publ.: Co-auth. Runway behavior of lizards to heat and light reinforcement, Psychol. Reports, 16: 423-426, & Human error research and analysis program, J. Aircraft, 9-10/68; auth., Radio communications problems and aviation accidents in the U.S. Navy, in: Aeromedical aspects of radio communication and flight safety, NATO-Adv. Group Aerospace Res. & Develop. Adv. Report, 5/69. Address: 8336 Capeview Court, Norfolk, Va. 23518.
- ALLAN, DEAN HARRY THAIN, b. Saugus, Mass., Aug. 12, 28; m. 52; c. 2. MANAGEMENT, LAW. A.B., Washington & Jefferson Col., 53; B.S. Mass. Inst. Tech., 53; J.D., Chicago, 56, Carnegie-Mellon, 62-63. Engr., Hycalog Co., La. 52-53; indust. engr., R.R. Donnelley & Sons Co., Ill. 53-55; instr. bus. admin., Oregon State, 56-57; asst. prof., 57-62; assoc. prof., 62-65; Massachusetts, 65-67, prof., 67-70; DEAN COL. BUS. ADMIN., SYRACUSE, 70- Ford Found. fel., 64 & res. grant, 67-68. Managing ed., Univ. Chicago Law Rev., 55-56. Bar Asn. Law & Soc. Asn.; Bus. Law Asn. (ed. ABLA Jour., 65-70); Inst. Mgt. Sci. Law-government systems in complex organizations. Publ.: Co-auth. Introduction to law: a functional approach, Scott, 69; Supreme court non-clear majority decisions: a study in state decision, Univ. Chicago Law Rev., 56; auth. An empirical test of decisional postulates of the March-Cyert behavioral theory of the firm, Admin. Sci. Quart., 66. Address: College of Business Administration, Syracuse University, Syracuse, N.Y. 13210.
- ALLAN, WILLARD. Economics, Finance. See A-K Vol, 11th ed. Soc. & Behav. Vols. New position & address: Treas. 69-, Amoco International Oil Co., 500 N. Michigan Ave., Chicago, Ill. 60611.
- ALLEN, DR. BENJAMIN HARRISON. Psychology, Special Education. See A-K Vol, 11th ed. Soc. & Behav. Vols. New position & address: Dir. div. ment. retardation, 69-, Alabama Dept. of Mental Health, 750 Washington Ave., Montgomery, Ala. 36104.
- ALLEN, PROF. CHAUNCEY NEWELL. Psychology. See A-K Vol, 11th ed. Soc. & Behav. Vols. New information: Emer. prof. psychol., Dartmouth Col., 66- Address: 2 Brewster Rd., Hanover, N.H. 03775.
- ALLEN, PROF. CLARK LEE. Economics. See A-K Vol, 11th ed. Soc. & Behav. Vols. New position: Prof. econ. Fla. Presby. Col., 69- Address: 2730 62nd Ave. S., St. Petersburg, Fla. 33712.
- ALLEN, DR. DAVID, b. York, Maine, May 15, 42; m. 68; c. 1. PSYCHOLOGY. B.A., Lake Forest Col., 65; M.A., Arizona, 67, U.S. Pub. Health Serv. fel., 67-68, Ph.D. (exp. psychol.), 68. ASST. PROF. PSYCHOL., S.DAK. STATE, 68- Psychol. Asn. Psychocautics; learning; operant conditioning; physiological psychology; psychophysics; behavioral effects of organochlorine pesticide toxicosis; music; history of psychology; research methodology; human factors. Publ.: Octave discriminability of musical and nonmusical subjects, Psychonomic Sci., 67; Spatial summation in the evoked cortical response to auditory stimuli, Perception & Psychophysics, 68; Spence's theory of discrimination learning: a reevaluation, Psychol. Record, 69. Address: Dept. of Psychology, South Dakota State University, Brookings, S.Dak. 57006.
- ALLEN, DR. DORIS TWITCHELL. Psychology. See A-K Vol, 11th ed. Soc. & Behav. Vols. Change of address: 351 Joselin, Cincinnati, Ohio 45221.
- ALLEN, DR. DORIS VIRGINIA, b. Highland Park, Mich. 28, 29; m. 68. PSYCHOLOGY. B.S., Michigan, 50; M.A., Wayne State, 63, Ph.D. (psychol.), 65. Psychometrist, counseling & testing br., WAYNE STATE, 59-62, res. assoc. speech & hearing clin., 62-65, instr. DEPT. AUDIOL., 66-67, ASST. PROF., 67- Psychol. Asn.; Psychonomic Soc. Verbal learning; cognitive processes; neuropsychology; short-term memory; audiol. education of hearing-impaired. Publ.: Modality aspects of mediation in children with normal and with impaired hearing ability, U.S. Off. Ed. Dept. Health, Ed. & Welfare, 69; co-auth. A factor analytic study of the ability to spell, Ed. & Psychol. Measurement, 65; auth. Acoustic interference in paired-associate learning as a function of hearing ability, Psychonomic Sci., 70. Address: Dept. of Audiology, 268 Medical Research Building, Wayne State University, Detroit, Mich. 48202.
- ALLEN, DR. EDMUND E. Social Science. See A-K Vol, 11th ed. Soc. & Behav. Vols. Change of address: University of South Florida, Social Science Bldg. 251, Tampa, Fla. 33620.
- ALLEN, PROF. ETHAN P (UTNAM). Political Science. See 11th ed. Soc. & Behav. Vols. deceased 68.
- ALLEN, DR. FREDERICK (STETSON). Modern European History. See 5th ed., Dir. of Am. Scholars, Vol. I, Hist.
- ALLEN, DR. HARRY E (LLIS), b. Selma, Ala., Feb. 16, 38. SOCIOLOGY, CRIMINOLOGY. B.A., Stetson, 60; M.A., Vanderbilt, 65; Ph.D. (sociol.), Ohio State, 69. ASST. PROF. CRIMINOL., FLA. STATE, 69- Bobbs-Merrill award sociol., 67. Sociol. Asn.; Soc. Criminol. Juvenile delinquency; sociopathy. Publ.: Co-auth. Inmate and non-inmate attitudes toward punitiveness, 8/87 & Social and bio-medical correlates of sociopathy, 2/69, Criminologica; Antisocial personality type with cardiac lability, Arch. Gen. Psychiat., 70. Address: Dept. of Criminology, Florida State University, Tallahassee, Fla. 32306.
- ALLEN, DR. HERBERT R, b. Princeton, Minn., Oct. 3, 24; m. 56; c. 2. FARM MANAGEMENT. B.S., Iowa State, 50, M.S. 52; Ph.D. (agr. econ.), S.Dak. State, 68. Youth asst. exten. ed., Iowa State, 52-56, asst. county exten. dir., 56-58, county exten. dir., 58-59, dist. economist, 59-63, asst. economist, S.Dak. STATE, 63-67, ASST. PROF. ECON., 67- U.S.N., 44-46. Agr. Econ. Asn. Publ.: An economic analysis of ranch organization in central South Dakota, 69, Pasture improvement—an analysis of rancher attributes in central South Dakota, 69 & Farm and ranch business record book, 70, S.Dak. State Univ. Address: Dept. of Economics, South Dakota State University, Brookings, S.Dak. 57006.
- ALLEN, DR. JAMES ELMORE, b. Morehead City, N.C., May, 35; m. 59; c. 1. SOCIOLOGY, RELIGION. B.A., Arizona, 57; S.T.B., Boston, 60, Ph.D. (soc. ethics), 64. Asst. prof. relig. & chaplain, Simpson Col., 64-68; RES. ASSOC. POP. CAROLINA POP. CENTER, NORTH CAROLINA, CHAPEL HILL & VIL. LECTR. RELIG. UNIV., 68- Asn. Study Abroad; Sociol. Asn. Population research. Publ.: Family planning attitudes of seminarian students, Rev. Relig. Res., fall 67; Family planning and the seminarian, Christian Century, 4/68; Training for family planning counseling: the seminarian's role, Family Coordinator: J. Ed. Counseling & Serv., 1/69. Address: 313 Yorktown Dr., Chapel Hill, N.C. 27514.
- ALLEN, DR. JAMES G, b. Stevens Point, Wis., Jan. 30, 29; m. c. 3. SOCIOLOGY. B.S., Wisconsin, 49; M.S., Iowa State, 54, Ph.D. (sociol. ed.), 60. Asst. to dir. residences, Iowa State, 51-54, teacher social. & asst. dir. residences, 54-59, instr. social, 59-60; asst. prof. social. & dir. student housing, Denver, 60-62; Psychonomic Sci.; co-auth. & student housing, Hawaii, 62-65, assoc. prof. social. & agr. econ. 65-66; ASSOC. PROF. SOCIOLOGY & HEAD DIV. HUMAN DEVELOP., 66- Univ. Hawaii Res. Coun. res. grants, 66-68; Head Start Prog. res. grant, 67-68; Nat. Insts. fel., Minnesota, 68-69. Consult. & speaker, campus, church & community groups, 62-66; consult. Consult. Center, 63-64; Hawaiian Tel. Co., 63-67. U.S.N.R. 44-45. Sociol. Asn.; Nat. Coun. Family Rel. Marriage and divorce; family unit; group dynamics; communication. Publ.: Student mob behavior: a sociological approach to its prevention, 3/62 & Residence halls as cocultural communities, 1/65, J. Col. Student Personnel; Vol. I and I are aging, let's plan ahead, Exten. Bull., 2/66. Address: 230 Alkane St., Kailua, Hawaii 96734.
- ALLEN, DR. JOHN EDWARD III. Computational & Slavic Linguistics. See 5th ed. Dir. Am. Scholars, Vol. III, For. Lang. & Philol.
- ALLEN, DR. JONATHAN. Electrical Engineering. See Suppl. VI to 11th ed. Phys. & Biol. Vols.
- ALLEN, DR. JOSEPH DANA, III, b. Bryn Mawr, Pa., May 3, 39; m. 63; c. 1. PSYCHOLOGY. B.A., Hamilton Col., 61; M.A., Southern Illinois, 64, Ph.D. (psychol.), 67. ASST. PROF. PSYCHOL., GEORGIA, 67- Motivation; learning; aversive control; stimulus control in infaunans. Publ.: Co-auth. Perfect retention of an instrumental response, 65 & Role of rg-sg in forgetting, 66, Psychonomic Sci.; co-auth. Speed-accuracy tradeoff: random versus standard times under a continuous percentage weight loss, J. Exp. Psychol., 66. Address: Dept. of Psychology, University of Georgia, Athens, Ga. 30601.
- ALLEN, DR. JOSEPH LAND. Theology. See 5th ed. Dir. Am. Scholars, Vol. IV, Philos. Relig. & Law.
- ALLEN, DR. RICHARD P, b. Waterloo, Iowa. PSYCHOLOGY. B.S. Mass. Inst. Tech., 61; Ph.D. (psychol.), Cambridge, 67. ASST. PROF. BEHAV. BIOL. SCH. MED. HOPKINS, 69- U.S.A.R. 67-69, Capt. Psychopharmacology; psycholinguistics; problems relating cerebral functioning to behavior. Address: Dept. of Psychiatry, Baltimore City Hospitals, 4940 Eastern Ave., Baltimore, Md. 21224.
- ALLEN, PROF. ROGER WILLIAM, b. Marlow, Okla., Sept. 14, 19; m. 48. MANAGEMENT, MARKETING. M.B.A., Chicago, 51; B.B.A. (personnel), indust. rels.), Southern California, 66. Res. asst. & res. assoc. mgt. develop. progs. indust. rels. center, Chicago, 52, proj. dir., 52-55; asst. prof. mgt. & mkt., Rochester, 55-59; Fresno State Col., 59-61, dir. bus. bus. res. & servs., 63-66; assoc. prof. mgt. & orgn. theory, Creighton, 66-67, PROF., 67-70; MGT., FRESNO STATE COL., 70- Fel. Summer Manpower Res. Inst., Iowa State, 69; U.S.M.R. 42-45, M/Sgt. Mkt. Asn. Acad. Mgt. Organization theory; administrative practices. Publ.: Evaluating the management consultant, J. Soc. Personnel Admin., 9/62; An application of some of the analytical tools of economics and sociology to the academic labor market, Bentley Bus. & Econ. Rev., 2/68; Staffing practices and problems of business units in the College system, California State Acad. Mgt. J., 3/68. Address: School of Business, Fresno State College, Fresno, Calif. 93726.
- ALLEN, DR. THOMAS JOHN. Management, Organizational Psychology. See A-K Vol, 11th ed. Soc. & Behav. Vols. New position: Assoc. prof. orgn. psychol. & mgt., 69-, Sloan School of Management, Massachusetts Institute of Technology, Cambridge, Mass. 02139.
- ALLEN, DR. VERNON LESLEY. Psychology. See A-K Vol, 11th ed. Soc. & Behav. Vols. New position: Prof., 69-, Dept. of Psychology, University of Wisconsin, Charter at Johnson, Madison, Wis. 53706.
- ALLEYNE, DR. JACOB MICHAEL. Anthropology, Sociology. See A-K Vol, 11th ed. Soc. & Behav. Vols. New position & address: Asst. prof., 70-, Dept. of Sociology & Anthropology, St. Jerome's College, University of Waterloo, Waterloo, Ont., Can.

- ALLISON, DR. JAMES PARKHURST, b. Des Moines, Iowa, Nov. 19, 40; m. 63. B.A., Grinnell col. 63; M.A., Montana, 65, U.S. Pub. Health Serv. fel, 68-69, Ph.D. 69. ASST. PROF. PSYCHOL. KNOX COL, 69. Discrimination learning; theories of learning and motivation. Address: Dept. of Psychology, Knox College, Galesburg, Ill. 61401.
- ALLMAN, PROF. REVA WHITE, b. Birmingham, Ala, July 29, 13; m. 42; c. 1. PSYCHOLOGY, EDUCATION. A.B., Miles Col, 35; M.A., Flak, 40; Gen. Ed. fel, Michigan, 44-46, Ph.D.(ed), 51. Teacher, pub. sch, Ala, 35-37; chmn. dept. ed, Ala. Agr. & Mech. Col, 40-48; Miles Col, 49-50; grant, Univ. Mich, 51; prof. ed, ALABAMA STATE, 51-62, acting dean grad. sch, 63-64, coordinator, 63-65, chmn. dept. ed. & psychol, 65-67, chmn. dept. sec. ed, 67-68, PROF. ED. & PSYCHOL, 68. Ed. Professions Develop. Act lectr, 70. Attitudes of college students and their behavioral responses. Publ: Competencies of prospective teachers, 53 & Knowledge of English usage of 518 graduate students at College A, spring 66, J. Negro Ed; Social attitudes of college students, J. Soc. Psychol, 3: 33. Address: 5 Pine-tree Dr, Montgomery, Ala. 36109.
- ALLSBROOK, DR. OGDEN O, JR, b. Wilmington, N.C., July 1, 40. ECONOMICS. A.B., Wake Forest, 62; Ph.D.(econ), Virginia, 66. ASST. PROF. econ, Miami (Fla), 65-66, economist, U.S. Dept. Defense, 66-68. ASST. PROF. ECON, GEORGIA, 68. Lectr, Maryland, 67-68. U.S.A., 66-68, Capt. Monetary and income theory with specific application to doctrinal controversy over synthesis of real and monetary theories of income generation. Publ: Co-auth, The utilization of military resources, U.S. Govt. Printing Off, 68; auth, The economics of central banking, 68 & co-auth, The price mechanism, 2nd ed, 69, Perspectives Econ. Address: 107 Ashley Circle, Apt. 6, Athens, Ga. 30601.
- ALMGREN, DR. ADOLF W(ILLIAM). Sociology. See A-K Vol, 11th ed, Soc. & Behav. Vols. Change of address: Kent State University, 6000 Frank Rd. N.W., Canton, Ohio 44720.
- ALMOND, DR. GEORGE LEE. Marketing, Economics. See A-K Vol, 11th ed, Soc. & Behav. Vols. New position & address: Prof. & chmn. dept. merchandising, 70-, School of Business Administration, Youngstown State University, Youngstown, Ohio 44503.
- ALOIA, DEAN VINCENT A., b. Meriden, Conn., Apr. 15, 22; m. 47; c. 3. SOCIAL SCIENCE. A.B., Syracuse, 49, Ph.D., 53. Assoc. prof. polit. sci, R.I. Col, 53-62; ed. adv, Latin Am. Bur, Agency Int. Develop, U.S. Dept. State, 62-66; dir. overseas serv. prog, admin. State Univ. N.Y., Albany, 66-69; DEAN, SOUTHAMPTON COL, 69-. Dir, Chilean-Am. Cultural Inst., Valparaíso, Chile, 57-59; lectr, Defense Intel. Sch, 64; Univ. Chile, summer 59. Consult, Agency Int. Develop, U.S.A., 42-46. Acad. Polit. & Soc. Sci. General education in the social sciences; political theory. Address: Office of the Dean, Southampton College, Southampton, N.Y. 11968.
- ALPER, DR. ARTHUR E(UGENE). Clinical Psychology. See A-K Vol, 11th ed, Soc. & Behav. Vols. New position & address: Prof. sec. ed, 68-, University of Georgia, New Psychology Bldg, Athens, Ga. 30601.
- ALPER, PROF. THELMA G(ARFINKLE). Psychology. See A-K Vol, 11th ed, Soc. & Behav. Vols. New position: Helen J. Sanborn prof. psychol, Wellesley College, Wellesley, Mass. 02181.
- ALPERN, DR. HERBERT P., b. New York, N.Y., Oct. 3, 40; m. 68. BIOLOGICAL PSYCHOLOGY, PSYCHOPHARMACOLOGY. B.S., City Col. New York, 63; M.A., Oregon, 65; Ph.D.(biol), California, Irvine, 68. ASST. PROF. PSYCHOL., COLORADO, 68-. RES. ASSOC. BEHAV. GENETICS, INST. BEHAV. GENETICS, 69-. AAS. Drugs and treatments that facilitate or impair memory processes; interaction between memory and arousal systems. Publ: Co-auth, Effects of electroshock on memory: amnesia without convulsions, Science, 68; auth, Retrograde amnesia effects of diethyl ether and flourothyl, 67 & Retrograde amnesia as a function of duration of electroshock stimulation, 68, J. Comp. & Physiol. Psychol. Address: Dept. of Psychology, University of Colorado, Boulder, Colo. 80302.
- ALPERT, DR. MARK I., b. Duluth, Minn., Nov. 6, 42; m. 67. MARKETING. S.B. Mass. Inst. Tech, 64; M.B.A., Southern California, 65, Commerce Assoc. fel, 65-67, M.S. 67, D.B.A., 68. Lectr. MKT. ADMIN, Calif. State Col. Long Beach, 67-68. ASST. PROF, 68; TEXAS, AUSTIN, 68-. Summers, travel-study fel, Europe & Russia, 65, Ford Found grant & Am. Mkt. Assn. fel, 66. Mkt. Assn. Quantitative business analysis; identifying determinant product attributes; consumer buying attitudes; pricing decision-making. Publ: Co-auth, Managerial analysis in marketing, 70 & auth, Pricing, 70, Scott; co-auth, Determinant buying attitudes: meaning and measurement, J. Mkt, 10/68. Address: Dept. of Marketing Administration, University of Texas, Austin, Tex. 78712.
- AIRROY, DR. GIL C(ARL). Political Science. See A-K Vol, 11th ed, Soc. & Behav. Vols. Change of address: Hunter College of the City University of New York, 695 Park Ave, New York, N.Y. 10021.
- ALSTON, DR. RICHARD MOSS, b. Salt Lake City, Utah, Mar. 25, 43; m. 62; c. 3. ECONOMICS, ECONOMIC HISTORY. B.A., Utah, 66; Woodrow Wilson fel, Cornell, 66-67, Nat. Defense Ed. Act fel, 67-70, M.A., Ph.D.(econ), 70. Teaching asst, ECON, Cornell, 67-68; instr, WEBER STATE COL, 69, ASST. PROF, 69-. Econ. Assn. Utilization of natural and human resources; black economic development; pollution; population; water resource use and allocation in the American West; interdisciplinary and social ramifications of economics. Address: Dept. of Economics, Weber State College, Ogden, Utah 84403.
- ALT, DR. RICHARD M(ELTON). Economics. See A-K Vol, 11th ed, Soc. & Behav. Vols. Change of address: New Delhi (ID), Dept. of State, Washington, D.C. 20521.
- ALTER, DR. GERALD M(ILTON). Economics. See A-K Vol, 11th ed, Soc. & Behav. Vols. New position: Dir. S.A.M. Dept. Int. Bank Reconstruct. & Develop, 70-. Address: 5124 Linnean Terr. N.W., Washington, D.C. 20008.
- ALTER, DR. RICHARD D(AVID), b. Boston, Mass., Aug. 24, 39; m. 64. PSYCHOLOGY. B.A., Ohio Wesleyan, 64; M.A., Utah, 65, Ph.D.(psychol), 67. Res. asst. PSYCHOL, Utah, 62-67, res. assoc, Colorado, 67-68. ASST. PROF. WESTERN ILLINOIS, 68-. ASST. TO DEAN COL. ARTS & SCI, 70-. AAAS; Psychol. Assn. Experimental social psychology, especially judgmental processes and attitude functioning. Publ: Co-auth, Authoritarianism, dogmatism and use of conceptual categories, J. Personality & Soc. Psychol, 66, Dogmatism and examination performance, J. Ed. Psychol, 87 & The use of instructions and hypnosis to minimize anchoring effects, J. Exp. Psychol, 68. Address: Dept. of Psychology, Western Illinois University, Macomb, Ill. 61455.
- ALTMAN, DR. IRWIN. Social Psychology. See A-K Vol, 11th ed, Soc. & Behav. Vols. New position & address: Prof. & chmn, 69-, Dept. of Psychology, University of Utah, Salt Lake City, Utah 84112.
- ALTMAN, DR. JAMES W. Psychology. See A-K Vol, 11th ed, Soc. & Behav. Vols. New position & address: Pres, 69-, Datagraphics, Inc, 4790 William Flynn Highway, Allison Park, Pa. 15101.
- ALTMAN, DR. OSCAR L(OUIS). Economics. See 11th ed, Soc. & Behav. Vols, deceased 68.
- ALTON, DR. THAD PAUL, b. Bayou La Batre, Ala., Nov. 17, 13; m. 43; c. 3. ECONOMICS. A.B., Alabama, 35, M.A. 36; fel, Illinois, 40-42; Soc. Sci. Res. Coun. fel, Columbia, 49, Ph.D.(econ), 53. Instr. math, Illinois, 40-42; Columbia, 46-49; asst. prof. econ, Washington (Seattle), 50-51; economist, U.S. Govt, 52-55; fel, Ford Found, 55-56; DIR. ECON. RES. PROJ. NAT. INCOME, COLUMBIA, 56-. U.S.N., 42-46, Lt.(sgt). Econ. Assn. Adv. Slavic Studies; Acad. Polit. Sci. National income and economic growth of Eastern Europe; comparative economic systems; economic development. Publ: Polish postwar economy, 55, co-auth, National income and product of Hungary in 1955 & co-auth, Polish national income and product in 1954, 1955 and 1956, 65, Columbia Univ. Address: 425 Riverside Dr, Apt. 5H, New York, N.Y. 10025.
- ALTSCHUL, DR. SIRI VON REIS. Botanical Taxonomy, Ethnobotany. See Suppl. VI to 11th ed, Phys. & Biol. Vols.
- ALTSCHULER, DR. MILTON. Anthropology. See A-K Vol, 11th ed, Soc. & Behav. Vols. New position: Assoc. prof, 69-, Dept. of Anthropology, Southern Illinois University, Carbondale, Ill. 62901.
- ALTSCHULER, DR. ALAN A. Political Science. See A-K Vol, 11th ed, Soc. & Behav. Vols. New position: Prof, 69-, Dept. of Political Science, Massachusetts Institute of Technology, Cambridge, Mass. 02139.
- ALVAREZ, DR. RODOLFO, b. San Antonio, Tex., Oct. 23, 36; m. 60; c. 1. SOCIOLOGY. B.A., San Francisco State Col, 61; cert. Inst. for Am. Univ, 60; M.A., Washington (Seattle), 64, Ph.D.(social), 66. ASST. PROF. SOCIOLOGY, YALE, 66-. Res. consult, Fed. Offender Voc. Rehab. Res. Prog, 65-69, citation for meritorious serv. for res. design, 67. U.S.M.C., 67, Sgt. AAAS; Social Assn. Deviance and social control theory; theory of social organization. Publ: Co-auth, Information-flow within the professions, Russell Sage, 69; auth, Informal reactions to deviance, Am. Sociol. Rev, 12/68. Address: Dept. of Sociology, Yale University, New Haven, Conn. 06520.
- ALVI, DR. SABIR ALI, b. Ludhiana, India, Mar. 15, 35; m. 64; c. 2. PSYCHOLOGY, EDUCATION. B.A., Punjab, 53, M.A., 55; M.A., American Univ. Beirut, 59; Ph.D.(ed. psychol), Indiana, 63. Reader ed. psychol. & head res. wing, inst. ed. & res, Punjab Univ, 63-66; ASSOC. PROF. MEASUREMENT & EVAL, ONT. INST. STUDIES IN ED, 66-. Ed. Res. Assn; Psychol. Assn; Soc. Psychol. Study Soc. Issues; Can. Assn. Prof. Ed; Can. Ed. Res. Assn. Study of values and attitudes in relation to educational environment. Publ: Testing in Pakistan, Vol. I & Development of scholastic aptitude tests for selection and guidance in secondary schools, Vol. II. In: Developments in educational testing, Univ. London, 69. Address: The Ontario Institute for Studies in Education, 252 Bloor St. W., Toronto 5, Ont, Can.
- AMAREL, DR. S(AULI). Electronic Systems Engineering. See 11th ed, Phys. & Biol. Vols.
- AMASON, PROF. ROBERT DANIEL, b. Silverton, Tex., Nov. 9, 29; m. 52; c. 3. MARKETING. B.B.A., Texas A&M, 51, M.B.A., 58; Ph.D.(econ), Arkansas, 63. Asst. prof. MKT., Texas A&M, 60-63; PROF. TEXAS TECH, 63-, DIR. RES, 68-. Lectr, Southwest. Bell Tel, 64-66; West. Union Col, 65-. Mgt. consult, Lubbock Nat. Bank, 63-68; Bus. Res. Assocs, 63-. U.S.A.F., 51-52, Lt. Mkt. Assn. Banking economics. Publ: Pricing policies and practices in the retail lumber and building material industry of Texas, B-Ely, 63; A report on the opinions and practices of shareholders' relations in banking, Financial Pub. Reiss. Assn, 65; A Study of area banks' budget, income, and expense control activities, Bus. Res. Assocs, 67. Address: 4607 23rd, Lubbock, Tex. 79407.
- AMATORA, SISTER MARY, O.S.F. Psychology. See A-K Vol, 11th ed, Soc. & Behav. Vols. New information: Dir. grad. couns. prog. & chmn. dept. psychol, St. Francis Col.(Ind), 64. Address: 2705 Spring St. P. Wayne, Ind. 46808.
- AMBLER, DR. JOHN RICHARD. Anthropology. See A-K Vol, 11th ed, Soc. & Behav. Vols. Change of address: Dept. of Anthropology, Box 5601, Northern Arizona University, Flagstaff, Ariz. 86001.
- AMBURN, DR. ELTON, b. Duke, Okla., Mar. 19, 15; m. 49; c. 3. EDUCATIONAL PSYCHOLOGY. B.S., West Texas State, 39, M.A., 49, Ed.D.(ed. psychol), Oklahoma, 56; Texas, 59. Asst. prof. ED. PSYCHOL, South. State Col.

- (Ark), 53-56; N.Mex. West. Col. 56-57; Tex. Lutheran Col. 57-59; Southeast. La. Col. 59-60; Odessa Col. 60-61; ASSOC. PROF. KANS. STATE TEACHERS COL. 61-1, grants, 62-63 & 65. U.S.N. 42-45, Lt. Assoc. Psychol. Asn; Personnel & Guid. Asn; Nat. Voc. Guid. Asn; Nat. Coun. Measurement in Ed; Asn. Measurement & Eval. Guid. Creativity; student identification; test construction. Publ: Student-teacher handbook, South. State Col.(Ark), 52; Guiding exceptional children, Workshop Proc. N.Mex. West. Col. 58; Correspondence study guide: tests and measures, Kans. State Teachers Col. 63. Address: Dept. of Psychology, Kansas State Teachers College, Emporia, Kans. 66801.
- AMDUR, DR. MILLARD J. b. Pittsburgh, Pa. Aug. 23, 37; m. 63; c. 2. PSYCHIATRY, MEDICINE. B.A. Pittsburgh, 59; M.D. Yale, 64. Intern, State Univ. N.Y. Upstate Med. Center, 64-65; fel. & res. psychiatry, sch. med, Yale, 65-68; chief res., 67-68, instr., 67-70; dir., Dana Psychiat. Clin. & psychiat. outpatient div., Yale-New Haven Hosp., 68-70; ASST. PROF. PSYCHIAT. SCH. MED. & DIR. STUDENT MENT. HEALTH SERV. CON. NECTICUT, 70-. Consult, student health serv., Univ. Connecticut & Undercliff Ment. Health Center, Conn., 68-70. Psychiat. Asn. Clinical psychiatry, particularly guilt and conscience in mental disorders; comparison of outpatient clinic populations on symptom characteristics and patterns of care. Publ: The anatomical theater, Leiden, as a Kunst-und-Wunderkammer, J. Hist. Med. & Allied Sci., 17: 188; Anorexia nervosa: an interactional study, J. Nervous & Ment. Disease, 148: 559. Address: Student Mental Health Services, Division of Health Service, U-11, University of Connecticut, Storrs, Conn. 06268.
- AMEMIYA, DR. TAKESHI, b. Tokyo, Japan, Mar. 29, 35; m. 69. ECONOMICS, STATISTICS. B.A., Int. Christian Univ. Tokyo, 55; M.A., American Univ., 61; Ph.D.(econ), Hopkins, 64. Asst. prof. ECON. Stanford, 64-66; lectr., Hitotsubashi Univ., Japan, 66-68; ASSOC. PROF. STANFORD, 68-. Economist. Soc. Statist. Asn. Applications of regression analysis and time series analysis to economic problems. Publ: On the use of principal components of independent variables in two stage least-squares estimation, Int. Econ. Rev. 66; Specification analysis in the estimation of parameters in a simultaneous equations model with autoregressive residuals, 66 & co-auth, A comparative study of estimators in a distributed lag model, Econometrica, 67. Address: Dept. of Economics, Stanford University, Stanford, Calif. 94305.
- AMERMAN, DR. HELEN E(LY) (MRS. JOHN E. MANNING). Sociology. See A-K Vol. 11th ed, Soc. & Behav. Vols. Change of address: 312 Marine St, Point Richmond, Calif. 94801.
- AMEY, PROF. LLOYD R(ONALD), b. Adelaide, Australia, Oct. 22, 22; m. 47; c. 2. BUSINESS ECONOMICS, ACCOUNTING. B.Ec, Adelaide, 51; B.A., Nottingham, 55, Ph.D.(econ), 57. Lectr. indust. econ, Nottingham, 57-60; prof. acct, Bristol, 61-69, head dept. econ, 68-69; PROF. ACCT. & HEAD DEPT. MCGILL, 69-. Houlton-Norman award res. bus. diversification, 59-60; bus. consult. Eng. 64-69. Royal Australian Air Force, 44-45, Flying Officer. Acct. Asn; Brit. Asn. Univ. Teachers Acct. Quantitative aspects of management planning and control. Publ: The efficiency of business enterprises, George Allen & Unwin Ltd, 69; Diversified manufacturing business, J. Royal Statist. Soc. 64 & On opportunity costs and decision-making, Accountancy, London, 68. Address: Dept. of Accounting, Faculty of Management, McGill University, Montreal 110, Que., Can.
- AMOS, DR. WILLIAM EARL. Human Development. See A-K Vol. 11th ed, Soc. & Behav. Vols. New position: Mem. U.S. Bd. Parole, 69-. Address: 9235 Limestone Place, College Park, Md. 20740.
- AMOSS, PROF. HAROLD L(UNSAY), JR. Anthropology. See A-K Vol. 11th ed, Soc. & Behav. Vols. New position: Prof. urban planning, 68-. University of Washington, 322 Lewis Hall, Seattle, Wash. 98105.
- AMSEL, PROF. ABRAM. Psychology. See A-K Vol. 11th ed, Soc. & Behav. Vols. New position & address: Prof. 67-, Dept. of Psychology, University of Texas at Austin, Austin, Tex. 78712.
- AMSTADT, ERVIN C(ARL). Economics. See A-K Vol. 11th ed, Soc. & Behav. Vols. New position: Sr. scientist, Tracor Inc. 69-. Address: 1097 Alexandria Dr, San Diego, Calif. 92107.
- AMSTER, DR. HARRIETT A. Psychology. See A-K Vol. 11th ed, Soc. & Behav. Vols. Change of address: 50 Scenic Dr, Orinda, Calif. 94563.
- AMUZEGAR, DR. JAHANGIR. Economics. See A-K Vol. 11th ed, Soc. & Behav. Vols. Change of address: 6713 Tulip Hill Terr, Washington, D.C. 20016.
- AN, DR. YU-KUN. Law, Languages. See 5th ed, Dir. Am. Scholars, Vol. IV, Philos., Relig. & Law.
- ANASTASI, PROF. ANNE. Psychology. See A-K Vol. 11th ed, Soc. & Behav. Vols. New information: Also chmn., 68-, Dept. of Psychology, Fordham University, New York, N.Y. 10458.
- ANCKER, DR. CLINTON J(AMES), JR. Engineering Mechanics, Applied Mathematics. See 11th ed, Phys. & Biol. Vols. & Suppl. V.
- ANDAL, DR. MELVIN E(MIL). Agricultural Economics. See A-K Vol. 11th ed, Soc. & Behav. Vols. New position & address: Econ. adv. 68-, Farm Credit Corp., P.O. Box 4209, Postal Station E, Ottawa 1, Ont., Can.
- ANDERSEN, DR. ARTHUR T. Economics. See A-K Vol. 11th ed, Soc. & Behav. Vols. Change of address: 622 Massachusetts Ave. N.E., Washington, D.C. 20002.
- ANDERSEN, RUTH O. M. History of Science. See 5th ed, Dir. Am. Scholars, Vol. I, Hist.
- ANDERSON, DR. ALBERT FRANK, b. Yale, Iowa, Apr. 29, 34; m. 59; c. 3. SOCIOLOGY. B.S., Iowa State, 56, M.S., 60, Ph.D.(sociol), 62. Instr. SOCIOL. DRAKE, 61-62, asst. prof., 62-66, ASSOC. PROF. 66-. Nat. Sci. Found. summer fel. anthropol, 63 & sci. faculty fel., 67-68; res. assoc. Michigan, 68-69. AAAS Sociol. Asn. Population; demography. Address: Dept. of Sociology, Drake University, Des Moines, Iowa 50311.
- ANDERSON, PROF. ALVIN L. b. Milwaukee, Ore. Apr. 24, 26; m. 51; c. 3. EDUCATIONAL PSYCHOLOGY. A.B. Cascade Col., 48; M. Ed., Oregon, 51, fel. 51-59, Ph.D.(ed psychol), 64; Ore. Col. Ed., 64. Teacher, Greenleaf Friends Acad., Idaho, 48-49; Escuela Metodista, Costa Rica, 50; asst. prof. ed. & psychol., Cascade Col., 51-53; teacher, elem. sch., Ore. 54-55; head dept. ed. & psychol. & dean jr. col. Friends Bible Col., Kans. 55-58; asst. prof. ed., Pacific Univ., 59-61; U.S. Info. Agency officer & bi-nat. center dir. Colombian-Am. Center, Medellin, Colombia, 61-66; Ecuadorian-Am. Center, Guayaquil, Ecuador, 66-67; ed. consult., U.S. Agency Int. Develop. St. Louis Univ.-Chad. Univ., Santiago, 67-69; PROF. ED. PSYCHOL. MALONE COL. 69-. Testing consult., Canton Local Schs., Ohio, 69. Publ: comparison of study of values scores for selected secondary and college teachers, J. Ed. Res., 106/66. Address: 6084 Leyton Ave. N.E., Canton, Ohio 44721.
- ANDERSON, DR. BARRY FRANKLIN. Experimental Psychology. See A-K Vol. 11th ed, Soc. & Behav. Vols. New position & address: Assoc. prof., 68-, Dept. of Psychology, Portland State University, Portland, Ore. 97207.
- ANDERSON, DR. BERNARD E. b. Philadelphia, Pa. ECONOMICS. A.B., Livingstone Col., 59; M.A., Mich. State, 61; Ph.D.(econ), Pennsylvania, 70. Economist, U.S. Bur. Labor Statist., 61-65; ASST. PROF. INDUSTR. WHARTON SCH. FINANCE & COMMERCE, PENNSYLVANIA, 69-. Lectr., Swarthmore col., 69-70. U.S.A., 61-63. Econ. Asn; Indust. Reiss. Res. Asn. Manpower economics; labor relations; urban economics. Publ: The Negro in the public utility industries, Univ. Pennsylvania, 69. Address: Dept. of Industry, Wharton School of Finance & Commerce, University of Pennsylvania, Philadelphia, Pa. 19104.
- ANDERSON, PROF. BO, b. Göteborg, Sweden, Mar. 27, 31; m. 65; c. 1. SOCIOLOGY. Fil. Lic(sociol), Uppsala, 56. Res. sociologist, bd. psychol. defense, Dept. Interior, Sweden, 56-57; fel. Bur. Applied Soc. Res. 57-59; lectr. SOCIOL. Uppsala, 59-61; asst. prof., Stanford, 61-68; PROF. MICH. STATE, 68-. Soc. Sci. Res. Coun. fel., 67-68. Anthropol. Asn. Sociological theory and theory construction; sociology of politics and of stratification. Publ: Co-auth, Reactions to inequity, 69 & auth, Review of Manning Nash, 69, Acta Sociologica; co-ed. Sociological theories in progress, Vol. 1, 66 & co-auth, Vol. II, 70, Houghton. Address: Dept. of Sociology, Michigan State University, East Lansing, Mich. 48823.
- ANDERSON, DR. CARL (ARL) ALAN. Philosophy. See 5th ed, Dir. Am. Scholars, Vol. IV, Philos., Relig. & Law.
- ANDERSON, CHARLES WILLIAM (GEEVES). Psychology. See A-K Vol. 11th ed, Soc. & Behav. Vols. New position & address: Psychologist, 69-, Guthrie County School System, Box 68, Guthrie Center, Iowa 50115.
- ANDERSON, DR. DAVID E. b. Bloomington, Ill. Oct. 17, 39; m. 64; c. 2. PSYCHOLOGY, PSYCHOPHYSIOLOGY. B.A., Columbia, 61; M.A., Oregon, 64, Ph.D.(psychol), 66. Fel. State Univ. N.Y. Stony Brook, 66-67; instr. med. psychol. SCH. MED. HOPKINS, 67-69, ASST. PROF. BEHAV. BIOL., 69-. Analysis of relations between cardiovascular and behavioral processes, especially understanding of emotion and psychosomatic disorder. Publ: Co-auth, A restraint system for the psychobiological study of dogs, J. Behav. Res. Instr. & Methods, 70 & Preavoidance blood pressure elevations associated with heart rate decreases in the dog, Abstr. Fed. Proc. 70. Address: Dept. of Behavioral Biology, Johns Hopkins University School of Medicine, Baltimore, Md. 21218.
- ANDERSON, DR. DERWYN L. b. Storm Lake, Iowa, Jan. 10, 40; m. 62; c. 2. PSYCHOLOGY. B.A., North Park Col., 65; M.A., North Dakota, 67, Ph.D. (counseling, guid), 68. ASSOC. PROF. PSYCHOL. ST. CLOUD STATE COL., 68-. Counselor-client relationship. Publ: Co-auth, Counselor conditions for self-exploration of college students, Personnel & Guid. J., 9/69. Address: Dept. of Psychology, St. Cloud State College, St. Cloud, Minn. 56301.
- ANDERSON, DR. DONALD F. b. Windsor, Ont., July 10, 38; U.S. citizen; m. 64; c. 2. POLITICAL SCIENCE. Ph.B., Detroit, 59, M.A., 61; Ph.D.(Am. presidency), Cornell, 68. ASST. PROF. POLIT. SCI., Hampton Inst., 65-66; Detroit, 66-69; MICHIGAN, DEARBORN, 69-. American chief executive; American political thought; American diplomacy. Address: Dept. of Political Science, University of Michigan, Dearborn, 4901 Evergreen, Dearborn, Mich. 48128.
- ANDERSON, DR. DOUGLAS DORLAND, b. Olympia, Wash., June 1, 36; m. 63. ANTHROPOLOGY, ARCHAEOLOGY. B.A., Washington (Seattle), 60; M.A., Brown, 62; Copenhagen, 62-63; Ph.D.(anthropol), Pennsylvania, 67. Instr. ANTHROP. BROWN, 65-67; asst. prof., 67-70, ASSOC. PROF. 70-. U.S.A. 54-56. AAAS: Soc. Am. Archaeol. & Am. Anthropol. Asn. American archaeology; prehistoric archaeology and ecology in Alaska. Publ: A stone age campsite at the gateway to America, Sci. Am., 6/68; Akmak: an early archeological assemblage from onion portage, northwest Alaska, Acta Arctica, 70; Microblade traditions in northwestern Alaska, Arctic Anthropol., 70. Address: Dept. of Anthropology, Brown University, Providence, R.I. 02912.
- ANDERSON, DR. ESTHER S(ANFREIDA). Geography. See A-K Vol. 11th ed, Soc. & Behav. Vols. Change of address: P.O. Box 28004, Central Station, Washington, D.C. 20005.
- ANDERSON, PROF. G(EOGE) LESTER. Educational Psychology. See A-K Vol. 11th ed, Soc. & Behav. Vols. New position & address: Prof. & dir. center study higher ed., 69-, Pennsylvania State University, 110 Willard Bldg., University Park, Pa. 16802.

- ANDERSON, PROF. HAROLD (HOMER). Psychology. See A-K Vol, 11th ed, Soc. & Behav. Vols. New information: Emer. prof., 65-, Dept. of Psychology, Michigan State University, East Lansing, Mich. 48823.
- ANDERSON, PROF. HAYWARD SULLIVAN. Business Administration. See A-K Vol, 11th ed, Soc. & Behav. Vols. New position & address: Chmn. div. bus. enterprise, 69-, Jackson State College, P.O. Box 17882, Jackson, Miss. 39217.
- ANDERSON, DR. HENRY, b. Dresden, Germany, Apr. 9, 18; U.S. citizen; m. 43. ECONOMICS. STATISTICS. B.A., London, 39; M.B.A., Columbia, 48, Ph.D.(econ), 59. Lectr. Eng. Columbia & German, Polytech. Inst. Brooklyn, 47-49; instr. statist., Rhode Island, 49-50; asst. prof. bus. econ., Duquesne, 50-52; bus. economist, Off. Price Stabilization, 52-53; asst. prof. bus. admin., St. Joseph's Col.(Pa.), 53-55; instr. STATIST., Temple, 55-59; PROF. MARYLAND, 59- Participant, Ford Found. summer seminar, Michigan, 62, Chicago, 63. Consult, Internal Revenue Serv., 67. A.U.S. 43-46. Econ. Asst. Statist. Asst. Methodological aspects of economic forecasting, particularly the problem of estimating a firm's foreign market potentials; methodological aspects of cost-of-living measurement with reference to both intertemporal and interregional price comparison. Publ: Product diversification and the cost of living, 9/64 & Product diversification and living costs: a further comment, 9/66, J. Am. Statist. Ass., The case for Laspeyres' formula: an up-to-date appraisal, Am. Economist, fall 68. Address: Dept. of Business Administration, University of Maryland, College Park, Md. 20742.
- ANDERSON, DR. JAMES ARTHUR, b. Kansas City, Mo, Apr. 6, 39; m. 62; c. 1. COMMUNICATIONS RESEARCH. A.B., Detroit, 61; M.A., Michigan, 62; Ph.D.(commun. res.), Iowa, 65. Instr. broadcasting, Iowa, 64-65; ASST. PROF. SPEECH, Wis. State, Oshkosh, 65-66; OHIO, 68; DIR. CENTER RES. ON BROADCASTING, 68. Wis. State Bd. Regents grant, 66-67; Ohio Univ. grant, 69 & 70. Summers, Off. Ed. Dept. Health, Ed. & Welfare grant, 67, identification alcoholics in household surv. Div. Ment. Hyg. Wis., 68. Speech Asst. Nat. Soc. Study Commun. Effects of multi-media presentations; communications, social role, and sexual behavior in the dyadic dating situation. Publ: More on the equivalence of statements presented in various media, spring 68 & Single channel and multi-channel messages: a comparison of connotative meaning, winter 69, AV Commun. Rev.; co-auth, Economic issues relating to the FCC's proposed one-to-a-customer rule, J. Broadcasting, summer 69. Address: Broadcast Research Center, Ohio University, Athens, Ohio 45701.
- ANDERSON, DR. JAMES EVERETT, b. Cleveland, Ohio, Apr. 10, 43; m. 68. ECONOMICS. B.A., Oberlin Col., 65; Vanderbilt, 65-66; Ph.D.(econ), Wisconsin, 69. ASST. PROF. ECON. BOSTON COL., 69- Econ. Asst. Commercial policy; American economic history; theory of international trade; theory and history of the United States in the United States. Publ: Co-auth, Substitution and two concepts of effective protection, Am. Econ. Rev., 9/69; auth, General equilibrium and the effective rate of protection, J. Polit. Econ., 7-8/70. Address: Dept. of Economics, Boston College, Chestnut Hill, Mass. 02167.
- ANDERSON, PROF. JAMES (GEORGE). Sociology, Education. See A-K Vol, 11th ed, Soc. & Behav. Vols. New position & address: Assoc. prof. ind. & indust. eng., 70-, Dept. of Sociology, Purdue University, Lafayette, Ind. 47907.
- ANDERSON, PROF. JERRY MAYNARD. Speech. See 5th ed, Dir. Am. Scholars, Addenda, Vol. II, Eng. Speech & Drama.
- ANDERSON, PROF. KENNETH E(UGENE). Educational Psychology. See A-K Vol, 11th ed, Soc. & Behav. Vols. New information: No longer dean sch. ed, Kansas. Address: 2014 Clifton Court, Lawrence, Kans. 66044.
- ANDERSON, DR. KENNETH VERLIE. Neuropsychology, Neuroanatomy. See Suppl. V to 11th ed, Phys. & Biol. Vols.
- ANDERSON, DR. LAWRENCE CONRAD, b. Brainerd, Minn., Jan. 5, 37; m. 61; c. 3. GEOGRAPHY. B.S., St. Cloud State Col., 60, M.S., 62; Kansas, 63-64; Minnesota, 64; Western Ontario, 64-65; Ed.D.(geog. ed.) Idaho, 68. Asst. prof. GEOG. Wis. State, Oshkosh, 67-69; ASSOC. PROF. MANKATO STATE COL., 69- Res. grant, 69. Consult, Idaho sch. surv., 68. Asst. Am. Geog. Can. Asn. Geog. Spatial diffusion and simulation studies in the cultural area of geography. Publ: Contrib. Atlas of Minnesota occupancy, Minn. Atlas Co., 61; Minnesota population distribution: 1960, Minn. Coun. Geog. Ed. Newsletter, 63 & A survey of the status of geography in the public secondary schools in selected states and provinces in Anglo-America, Col. Record, 66. Address: Dept. of Geography, Mankato State College, Mankato, Minn. 56001.
- ANDERSON, DR. LEROY FREDERICK, b. Charleston, S.C., Nov. 30, 17; m. 51; c. 3. GUIDANCE, EDUCATION. A.B., Fisk, 39, M.A., 48; fel. Kentucky, 60-62, Ed.D.(ed. admin), 62. Supp. prin. W. Gresham Meggett Sch., S.C., 53-60; prof. ed. & psychol. & chmn. dept., S.C. State Col., 64-67, dir. instrnl. res., 67-68; DIR. LEADERSHIP TRAINING INST., DEPT. HEALTH ED. & WELFARE, 68- ASSOC. PROF. PSYCHOL. DEPT. PSYCHIAT. & DIR. COMP. HEALTH CARE CENTER, MED. UNIV. SOUTH CAROLINA, 69-, dir. training & community rels., 67-69. Consult, Cause 11 Inst. South Carolina, 65; consult. & practicum superv. equal ed. opportunity inst. civil rights, Purdue, 65-66; consult. acad. year pupil achievement, South. Ed. Found-Charleston County & Orangeburg Proj. Mem. task force surv. S.C. displaced teachers & prnt. personnel resulting from desegregation & adv. plan teacher ed. & sch. integration, Emory, 66-69. U.S.A., 42-46, Res. 46-, Maj. Adjustment and values among sixth graders: academically talented student in regionally accredited Negro high schools of South Carolina. Address: Dept. of Psychiatry, Medical University of South Carolina, 80 Barre St., Charleston, S.C. 29401.
- ANDERSON, DR. LYNN REESE. Psychology. See A-K Vol, 11th ed, Soc. & Behav. Vols. New position: Assoc. prof., 69-, Dept. of Psychology, Wayne State University, Detroit, Mich. 48202.
- ANDERSON, DR. PETER (OLE). Mathematical Statistics. See Suppl. VI to 11th ed, Phys. & Biol. Vols.
- ANDERSON, DR. RALPH (LEROY). Psychology. See A-K Vol, 11th ed, Soc. & Behav. Vols. Change of address: 1719 Professional Dr., Sacramento, Calif. 95825.
- ANDERSON, PROF. RANDALL C. b. Minden, Nebr., Aug. 7, 34; m. 68. SOCIAL SCIENCE & GEOGRAPHIC EDUCATION. B.A., Hastings Col., 56; M.A., Nebraska, 60, Ed.D.(soc. sci. ed.), 63. PROF. SOC. SCI. & GEOG. ED., KANS. STATE TEACHERS COL., 63- Nat. Coun. Geog. Ed. Non-Western cultures; Communism; international education. Publ: Secondary school geography and its status in the north central region: 1982-1993, Emporia State Res. Studies, 12/64; An inquiry-oriented instructional strategy for teaching the changing nature of Communism, Teachers Col., 66; Contemporary world affairs, In: Methods of geographic instruction, Blaisdell, 68. Address: Dept. of Social Sciences, Kansas State Teachers College, Emporia, Kans. 66801.
- ANDERSON, DR. ROBERT NORRIS, b. Alamosa, Colo., Mar. 27, 44; m. 62; c. 2. ECONOMICS. B.A., Adams State Col., 65, M.A., 66; Ph.D.(econ), Colorado State, 69. ASST. PROF. AGR. ECON. HAWAII, 69- Econ. Asst; Agr. Econ. Asst. Systems analysis; economics of poverty; human resource development; Latin American economic development. Publ: Co-auth, Resource economists as spokesmen for the sensitive majority, Proc. 1969 Meeting West. Agr. Econ. Asst. (in press), Address: Dept. of Agricultural Economics, University of Hawaii, 2525 Varney Circle, Honolulu, Hawaii 96822.
- ANDERSON, DR. RONALD D. b. Poplar, Wis., Aug. 25, 37; m. 63; c. 3. SCIENCE EDUCATION. B.S., Wisconsin, 39, Ph.D.(sci. ed.), 44. Asst. prof. SOC. ED. Kansas State, 64-65; COLORADO, 65-68, ASSOC. PROF., 68- Nat. Sci. Found. grant, 68-70. AAAS, Ed. Res. Asst.; Nat. Asst. Res. Sci. Teaching. Children's formulations of scientific models; strategies of science teaching and correlated teacher characteristics. Publ: Co-auth, Developing children's thinking through science, Prentice-Hall, 70; auth, Using the laboratory to teach the nature of science, Am. Biol. Teacher, 10/68; Children's ability of formulate mental models to explain natural phenomena, J. Res. Sci. Teaching, 3: 326-332. Address: School of Education, University of Colorado, Boulder, Colo. 80302.
- ANDERSON, PROF. THEODORE (ROBERT). Sociology. See A-K Vol, 11th ed, Soc. & Behav. Vols. New position & address: Prof., 69-, Dept. of Sociology, University of Minnesota, Minneapolis, Minn. 55455.
- ANDIC, DR. MARTIN FEDOR. Philosophy. See 5th ed, Dir. Am. Scholars, Vol. IV, Philos. Relig. & Law.
- ANDREASEN, DR. HAAKON L. b. Carlton, Minn., June 7, 32; m. 60; c. 4. MANAGEMENT. B.S., Minnesota, 54, M.A., 61; Ph.D.(bus. admin), Iowa, 68. Instr. econ., Minnesota, Duluth, 60-64; asst. bus. admin., Iowa, 64-65, instr. bus. machines, 65-67; asst. prof. MGT. NORTHERN ILLINOIS, 67-69, ASSOC. PROF., 69- Army Nat. Guard, 49-, Capt. Acad. Mgt. Management evaluation through personnel appraisal techniques and feedback of appraisal evaluations through personnel appraisal interviews. Publ: Co-auth, Population, labor force, employment and unemployment in Duluth, 1947-1961, Univ. Minn., 62 & Management and the appraisal interview, Personnel Adminstr., 1-2/68; auth, Teacher unionism: personal data affecting membership, Phi Delta Kappa, 11/68. Address: Dept. of Management, Northern Illinois University, DeKalb, Ill. 60115.
- ANDREASSI, DR. JOHN LAWRENCE. Psychology. See A-K Vol, 11th ed, Soc. & Behav. Vols. New position: Assoc. prof., 69-, Dept. of Industrial Engineering & Operations Research, New York University, Bronx, N.Y. 10453.
- ANDREW, DR. GWEN. Sociology. See A-K Vol, 11th ed, Soc. & Behav. Vols. Change of address: 1936 Vassar Dr., Lansing, Mich. 48912.
- ANDREWS, PROF. BURTON. Law. See 5th ed, Dir. Am. Scholars, Vol. IV, Philos. Relig. & Law.
- ANDREWS, DR. DAVID HENRY. Anthropology. See A-K Vol, 11th ed, Soc. & Behav. Vols. Correction: Assoc. prof. anthropol., 68-, Dept. of Sociology & Anthropology, Middlebury College, Munroe Hall, Middlebury, Vt. 05753.
- ANDREWS, DR. JOHN J. b. Atlanta, Ga., Mar. 19, 32; m. 58. FINANCE. BUSINESS ADMINISTRATION. B.B.A., Emory, 53; M.S., Fla. State, 61; Ph.D. (finance), Ohio State, 66. Lectr. FINANCE, Fla. State, 60-61, assoc. prof., 63-68; asst. Ohio State, 61-63; ASSOC. PROF., EMORY, 68- U.S.A.F., 53-60, Res. 60-, Capt. Finance Asst. Cost analysis for financial institutions; personal investing to optimize income. Publ: Co-auth, Comparison of the F.D.I.C. and the F.S.I.C. J. Inv., 3/62. Address: Emory University School of Business Administration, Atlanta, Ga. 30322.
- ANDREWS, DR. VICTOR L., JR. Economics, Finance. See A-K Vol, 11th ed, Soc. & Behav. Vols. New position & address: Mills Bee Lane prof. banking & finance & chmn. dept. finance, 69-, School of Business, Georgia State University, 33 Gilmer St. S.E., Atlanta, Ga. 30303.
- ANDRUS, DR. ROMAN R. Marketing. See A-K Vol, 11th ed, Soc. & Behav. Vols. New information: Also head dept. mkt. ins. & transportation, 69-, School of Business Administration, University of Oregon, Eugene, Ore. 97403.
- ANGEL, PROF. ARTHUR D(ESKO). Political Science. See A-K Vol, 11th ed, Soc. & Behav. Vols. New position: Prof. Mkt. State, 69- Address: 1024 N. Harrison Rd., East Lansing, Mich. 48823.
- ANGEL, HERBERT (EDMUND). Public Administration. See A-K Vol, 11th ed, Soc. & Behav. Vols. New position: Dep. archivist U.S. 68-, National Archives & Records Service, General Services Administration, Washington, D.C. 20408.

- ANGELINE, JOHN F (REDERICK). Organic Chemistry, Marketing. See Suppl. VI to 11th ed. Phys. & Biol. Vols.
- ANGELINI, DR. ARRIGO LEONARDO, b. Santo André, Brazil, Sept. 28, 24; m. 51; c. 2. EDUCATIONAL PSYCHOLOGY. B.A. São Paulo, 45, M.A. 51, Ph.D. (ed. psychol.). 53. Asst. prof. ed. psychol. SÃO PAULO, 49-54, assoc. prof. 54-56, prof. & head dept. 56-69, DIR. INST. PSYCHOL., 70-. Vis. prof. Central Univ. Venezuela, 60-61; Texas, Austin, 67-68. Mem. La Napoule Planning Conf. France, summer 62; mem. cmt. registering psychologists, Brazilian Off. Educ. 64-65; mem. bd. dirs. Int. Coun. Psychol., 70. Brazilian Army, 45. Am. Psychol. Assn.; Interam. Soc. Psychol. (pres. elect. 70); Brazilian Psychol. Assn. 54. Cross cultural research on child and adolescent behavior, especially in the areas of interests and values; human motivation. Publ. Brazil, In: International opportunities for advanced training and research in psychology, Am. Psychol. Assn. 66; Measuring the achievement motive in Brazil, J. Soc. Psychol. 66 & Educational technology and television in Brazil, Revista Interamericana Psicologia, 70. Address: Instituto de Psicologia, Universidade de São Paulo, Caixa Postal 8, 105 São Paulo, Brazil.
- ANGELL, DR. DAVID. Experimental Psychology. See A-K Vol. 11th ed. Soc. & Behav. Vols. Change of address: U.S. Agency International Development, Rio de Janeiro/HRO, APO New York 09676.
- ANGELL, PROF. HAROLD M, b. London, Eng. Mar. 2, 30; Can. citizen; m. 55; c. 1. POLITICAL SCIENCE. B.A. Sir George Williams, 58; M.A. McGill, 60, fels. 60-70. Lectr. POLIT. SCI. SIR GEORGE WILLIAMS, 62-64, asst. prof. 64-69, ASSOC. PROF. 69-. Res. consult. Can. Govt. Cmt. Election Expenses, 65-66; summer, Que. Fedn. 61. M.A. 61. M.A. 61. Cmt. 61-62. R.A.S.C. 48-50. Am. Polit. Sci. Assn.; Can. Polit. Sci. Assn. Election studies, electoral machinery and finances as they relate to Canada, especially to the province of Quebec. Publ: Report on electoral reform of the Province of Quebec, Que. Lib. Fedn. 10/61; The evolution and application of Quebec election legislation, 1960-67, Queen's (Ont.) 10/66; Le système électoral Le système politique du Canada, Univ. Ottawa, 68. Address: Dept. of Political Science, Sir George Williams University, Montreal, Que. Can.
- ANGELL, PROF. JAMES W (WATERHOUSE). Economics. See A-K Vol. 11th ed. Soc. & Behav. Vols. Change of address: West Chop, Mass. 02573.
- ANGELL, DR. MELVIN ALLEN. Counseling Psychology, Psychometrics. See A-K Vol. 11th ed. Soc. & Behav. Vols. New position & address: Prof. & test officer, 68-, Sacramento State College, 6000 J. St, Sacramento, Calif. 95819.
- ANGELL, DEAN WAYNE D. Economics. See A-K Vol. 11th ed. Soc. & Behav. Vols. New information: Also Dean, 68-, Ottawa University, Ottawa, Kans. 66067.
- ANGKATAVANICH, DR. VIROTE, b. Bangkok, Thailand, May 29, 32; m. 57; c. 2. ECONOMICS. B.A., Washington (Seattle), 56; M.B.A., N.Y. Univ. 57; Ph.D. (econ). New Sch. Soc. Res. 67. Trainee, int. banking dept. Hanover Bank, New York, N.Y. 57-58; indust. sales rep. Nissio Am. Corp. 58-63; asst. prof. ECON. & FINANCE, FAIRLEIGH DICKINSON, 63-69, ASSOC. PROF. 69-. Trustee, Angkatavanich Hosp, Bangkok, Thailand, 59-. Econ. Assn.; Economist. Soc. Monetary theory; economic development; international economics. Address: Dept. of Economics & Finance, Fairleigh Dickinson University, 1000 River Rd, Teaneck, N.J. 07666.
- ANGLIN, PROF. DOUGLAS G (GEORGE), b. Toronto, Ont. Dec. 16, 23; m. 48; c. 2. POLITICAL SCIENCE. B.A. Toronto, 48; B.A. Oxford, 50, M.A. 54, Can. Coun. fel. 55-56, D. Phil. (int. rels.), 56-. Asst. prof. polit. sci. & int. rels. Manitoba, 51-56, assoc. prof. 56-58; POLIT. SCI., CARLETON (ONT), 58-65, PROF. 65-. Can. Coun. res. affiliate, Nigerian Inst. Soc. & Econ. Res. Univ. Ibadan, 62-63; v.chancellor, Univ. Zambia, 65-69; Can. Coun. res. assoc. center int. studies, Princeton, 69-70. Mem. permanent coun. Int. Cong. Africanists, Dakar, 62-65; Nat. Mus. Bd, Zambia, 66-69. R.C.N. 43-45. Lt. Fel. African Studies Assn. International relations of African states, particularly Nigeria and Zambia. Publ: Political development of the West Indies, In: The West Indies Federation: perspectives on a new nation, Columbia Univ. 61; co-ed. Africa: the political pattern, 61 & auth. The St. Pierre and Miquelon affaire of 1941, 66, Univ. Toronto. Address: Dept. of Political Science, Carleton University, Ottawa 1, Ont. Can.
- ANISFELD, DR. MOSHE. Psychology, Psycholinguistics. See A-K Vol. 11th ed. Soc. & Behav. Vols. New position & address: Assoc. prof. 69-, Dept. of Psychology, Yeshiva University, 55 Fifth Ave, New York, N.Y. 10003.
- ANNAU, DR. ZOLTAN. Experimental Psychology. See Suppl. VI to 11th ed. Phys. & Biol. Vols.
- ANSCHER, DR. KURT R (AMON). Agricultural Economics. See A-K Vol. 11th ed. Soc. & Behav. Vols. New position: Assoc. prof. 69-, Dept. of Agricultural Economics, University of Kentucky, Lexington, Ky. 40506.
- ANSON, LT. COL. RICHARD WILLIAM, U.S.A. Operations Research, Business Administration. See A-K Vol. 11th ed. Soc. & Behav. Vols. New position: Sys. Analyst, 70-. Office of the Assistant Secretary of Defense for Systems Analysis, Washington, D.C. 20301.
- ANTHONY, DR. ROBERT NEWTON. Accounting, Business Administration. See A-K Vol. 11th ed. Soc. & Behav. Vols. New position: Prof, Harvard Bus. Sch. Address: 39 Meriam St, Lexington, Mass. 02173.
- ANTHONY, DR. WILLIS E, b. St. Peter, Minn. Aug. 17, 37; m. 66. AGRICULTURAL ECONOMICS. B.A.B.A. Minnesota, 59, M.S. 62, Ph.D. (agr. econ.), 65. Economist, U.S. Dept. Agr. 62-68; ASST. PROF. AGR. ECON, MINNESOTA, ST. PAUL, 68-. Agr. Econ. Assn. Market organization and structure. Publ: Changing size structure of livestock slaughter, 65 & Size and growth of meat processing firms, 68, U.S. Dept. Agr.; Growth of firms in the livestock slaughter industry, Minn. Agr. Exp. Sta. 69. Address: Dept. of Agricultural Economics, University of Minnesota, St. Paul, Minn. 55101.
- ANTLER, DR. LAWRENCE. Social Psychology. See A-K Vol. 11th ed. Soc. & Behav. Vols. Change of address: 140 W. 57th St, Apt. 12 RE, New York, N.Y. 10019.
- APEDAILE, DR. LEONARD PETRY, b. Arvida, Que. July 2, 39; m. 64; c. 3. ECONOMICS, AGRICULTURAL ECONOMICS. B.Sc. McGill, 60; Ph.D. (econ). Iowa State, 68. Asst. prof. AGR. ECON, ALBERTA, 66-69, ASSOC. PROF. 69-. Econ. Assn.; Am. Agr. Econ. Assn.; Can. Agr. Econ. Soc.; Int. Agr. Econ. Regional economic development; agricultural policy; econometrics. Address: Dept. of Agricultural Economics, University of Alberta, Edmonton, Alta., Can.
- APPELBAUM, DR. STEPHEN A (RTHUR). Clinical Psychology. See A-K Vol. 11th ed. Soc. & Behav. Vols. New information: Dir. psychol. C.F. Menninger Mem. Hosp. Address: Menninger Foundation, Box 829, Topeka, Kans. 66601.
- APPELL, DR. WILLIAM T (HEDDORRE). Psychology. See A-K Vol. 11th ed. Soc. & Behav. Vols. New position: Dep. dir., 69-, Columbia County Mental Health Clinic, 247 Warren St, Hudson, N.Y. 12534.
- APPLEBAUM, DR. LEON, b. New York, N.Y. Feb. 25, 30; m. 62; c. 2. ECONOMICS. B.A. Brooklyn Col. 51; M.A. Wisconsin, 55, Ph.D. (econ), 59. Instr. econ, Wisconsin-Milwaukee, 58-59, asst. prof. 59-65; assoc. prof. econ. & labor ed. Ohio State, 65-67; ASSOC. PROF. ECON. & CHMN. DEPT. UNIV. CENTER SYST., WISCONSIN, MADISON, 67-. ASSOC. PROF. ECON., WEISCONSIN PARKSIDE, 68-. CHMN. Soc. Sci. Div., 69-. acting chmn. 68-69. Ord. C. U.S.A., 51-53, Res. 53-56, S/sgt. Econ. Assn.; Indust. Rel. Res. Assn. Labor union financial structures and leadership stability in union organizations. Publ: Officer turnover and salary structures in local unions, Indust. & Labor Rel. Rev. 1/66; Dues and fees structure of local unions, Monthly Labor Rev. 11/66; Comparison of officer turnover and salary structures in thorough research, 66 & Creativity in the life cycle, Vols. I & II, 68 & 69, E.J. Brill. Address: Wisconsin-Parkside, Kenosha, Wis. 53140.
- APPLEGATE, DR. JOSEPH R (OYE). Descriptive Linguistics. See 5th ed. Dir. Am. Scholars, Vol. III. For. Lang. Ling. & Philol.
- AMTER, PROF. DAVID E. Political Sociology. See A-K Vol. 11th ed. Soc. & Behav. Vols. New position & address: Prof. polit. develop., 69-, Dept. of Political Science, Yale University, New Haven, Conn. 06520.
- ARASTEH, DR. A. REZA, b. Shiraz, Iran, Sept. 27, 27; m. 57; c. 2. PSYCHOLOGY, MANAGEMENT. B.A. Tehran, 45, M.A. 49, Fulbright grant, La. State, 51-53, Ph.D. 53. Fel. human develop. Chicago, 53-54; assoc. prof. Tehran, 55; Princeton, 58-60; collaborator with Erich Fromm psychother. res. 60-62; adv. dept. agr. sch. George Washington, 62-69, prof. 64-69. VIS. PROF. PSYCHOL. TEHRAN, 69-. Invitational lectr. Harvard, 62-67; center int. rels. N.Y. Univ. 68. Spec. adv. Prime Minister Iran, 65; adv. Govt. Iran, 69. Del. World Psychol. Assn. Int. Meetings World Fedn. Ment. Health & Int. Cong. Psychol. 64 & 67. Recipient, Silver Medal Knowledge, Govt. Iran, 50. Psychol. Assn.; Royal Soc. Med. Teaching of personality development and psychotherapy and its application to management development; professional therapy and individual self-renewal. Publ: Final integration in the adult personality, E.J. Brill & Leiden, 65; Teaching through research, 66 & Creativity in the life cycle, Vols. I & II, 68 & 69, E.J. Brill. Address: 7905 Custer Rd, Bethesda, Md. 20014.
- ARBIB, DR. MICHAEL A. Information Science. See Suppl. VI to 11th ed. Phys. & Biol. Vols.
- ARBINGAST, PROF. STANLEY A (LAN). Geography. See A-K Vol. 11th ed. Soc. & Behav. Vols. New information: Dir., 69-, Bureau of Business Research, College of Business Administration, University of Texas, Austin, Tex. 78712.
- ARCHER, DR. ALFORD, b. Garrettsville, Ohio, Apr. 11, 08; m. 38; c. 2. GEOGRAPHY. B.S. Columbia, 35, M.S. 36; Ph.D. (geog.), Ohio State, 62. Asst. dept. geog. Ohio State, 37-41; asst. prof. geol. & geog. Ind. State Teachers Col., 41-42; asst. prof. commerce & geog. Toledo, 42-46, asst. dir. summer sessions, 46; U.S. BUREAU CENSUS, 46-, geog. geog. div. 46-49, 55-59, chief cart. methods, 69, 59-61, chief, for census res. br. int. statist. prof. 63-66, GEOGR. GEOG. DIV. 66-, also, int. statist. prof. census geog. adv. Agency Int. Develop. assigned to nat. census & statist. off. Panama, 49-50, Bolivia, 50, Honduras, 51-55 & 60, Costa Rica, 52-54, El Salvador, 53-55 & 61, Thailand, 61-63, Pakistan, 63 & 67, Iran, 65 & 66-68, Argentina, 69. Mem. adv. cmt. to U.S. Dept. State for Pan-Am. Inst. Geog. & Hist. Cmn. Geog. Nat. Acad. Sci. 59-61. Meritorious serv. award, Secy. of Commerce, 56. Am. Geog. Soc.; Am. Geog. Soc.; Pop. Assn. Am. Statist. Assn. Compilation and use of maps in census and statistical work; distribution of population; geography of Latin America. Address: Geography Division, U.S. Bureau of the Census, Washington, D.C. 20233.
- ARCHER, DR. BARBARA UEHLING, b. Wichita, Kans. June 12, 32; m. 69; c. 2. EXPERIMENTAL PSYCHOLOGY. A.B. Wichita, 54; Soc. Sci. Res. Coun. fel. Northwestern, 54-55, Nat. Sci. Found. fel. 55-56, M.A. 56, Ph.D. 58. Instr. PSYCHOL. Northwestern, 55-57; Emory, 58-59; asst. prof. Oglethorpe, 59-66; Emory, 66-69; ADJ. PROF. RHODE ISLAND, 69-. Nat. Inst. Ment. Health fel. 64-66. Psychol. Assn. Verbal learning; physiological psychology. Publ: Effects of d-amphetamine and pentobarbital on vigilance in the rat, Psychonomic Sci. 67; co-auth. Effects of illumination and white noise on rate of electrical stimulation of brain in rats, Psychol. Report, 67; auth. Recall of a serial list as a function of arousal and retention interval, J. Exp. Psychol., 68. Address: Dept. of Psychology, University of Rhode Island, Kingston, R.I. 02881.
- ARCHON, PROF. DION JAMES JOHN. Political Science, Economics. See A-K Vol. 11th ed. Soc. & Behav. Vols. New information: Also chmn. 69-, Dept. of Government & Economics, Suffolk University, Boston, Mass. 02114.

- ARCUS, DR. PETER LAURENCE**, b. Hamilton, N.Z., Feb. 18, 39; m. 66. **ECONOMICS, AGRICULTURE**. B.A.Sc., Massey Univ., N.Z., 61; Bank of New South Wales scholar, 62; M.Ag.Sc., 64; Fulbright exchange scholar, Iowa State, 64-68, Ph.D. (agr. econ), 68. Mgr. sheep farm, J.S. Hunt & Sons, Waukegan, N.Z., 61; res. asst. AGR. ECON. Iowa State, 63-66; res. assoc., 67-68; ASST. PROF., BRITISH COLUMBIA, 68- Am. Econ. Assn; Am. Agr. Econ. Assn; Can. Agr. Econ. Soc. Political economy of agriculture; agricultural economics and farm management; labor mobility in agriculture. Publ: An introduction to the study of simulation in the study of grazing management problems, *Proc. N.Z. Soc. Animal Prod.*, 23: 159-168; co-auth. Manpower requirements and demand in agriculture by regions and nationally, *U.S. Dept. Health, Ed. & Welfare*, 6/68. Address: Dept. of Agricultural Economics, University of British Columbia, Vancouver 8, B.C., Can.
- ARENBERG, DR. DAVID LEE**. Psychology. See A-K Vol, 11th ed, Soc. & Behav. Vols. New position: Chief sect. human learning & prob. solving, 69-. Gerontology Research Center, National Institutes of Health, Baltimore City Hospitals, Baltimore, Md. 21224.
- ARGOW, PROF. DOROTHY LOUISE**. Diplomatic History, Public Administration. See 5th ed, *Dir. Am. Scholars*, Vol. I, Hist.
- ARGOW, WALTER WEBSTER**. Psychology. See A-K Vol, 11th ed, Soc. & Behav. Vols. New information: Hon. Sc.D., Calif. Inst. Psychol., 69. Dir., Los Angeles Psychol. Serv. Center, 69-. Address: 800 S. Robertson Blvd, Los Angeles, Calif. 90035.
- ARIAN, DR. ALAN**, b. Cleveland, Ohio, Aug. 4, 38. **POLITICAL SCIENCE**. B.A., Western Reserve, 61; M.A., Mich. State, 63. Ph.D. (polit. sci.), 65. Asst. prof. POLIT. SCI., Western Reserve, 65-66; lectr., TEL-AVIV, 66-68, SR. LECTUR., 68-; chmn. dept., 66-70. Vis. assoc. prof., MICHIGAN, 68. Polit. Sci. Assn. Elections committee in Israel and other democratic elections; ideology, consensus, public opinion and political parties. Publ: Co-ed, *Empathy and ideology*, Rand McNally, 66; auth. Ideological change in Israel, *Case Western Reserve Univ.*, 68; co-auth. Split-ticket voting in Israel, *West. Polit. Quart.*, 69. Address: Dept. of Political Science, Tel-Aviv University, Ramat Aviv, Israel.
- ARMACOST, DR. MICHAEL HAYDEN**, b. Cleveland, Ohio, Apr. 15, 37; m. 59; c. 3. **POLITICAL SCIENCE**. B.A., Carleton Col., 68; Bonn, 58-59; M.A., Columbia, 61; Haynes fel., 63-64, Ph.D. (govt), 65. Instr. int. rels., Pomona Col., 62-65; asst. prof., 65-68, assoc. prof., 68-70; MEM. PLANNING & COORD. STAFF, U.S. DEPT. STATE, 69. Res. assoc. inst. war & peace studies, Columbia, 65-66; vis. assoc. prof., Int. Christian Univ., Tokyo, 68-69; White House fel., 69-70. Polit. Sci. Assn. Defense politics; United States national security and foreign policy. Publ: The politics of weapons innovation, *Columbia Univ.*, 69; The foreign relations of the U.S., *Dickenson*, 69. Address: 908 N. Patrick Henry Dr., Arlington, Va. 22205.
- ARMBRISTER, PROF. CLOYD PAYNE**, b. McDowell, W.Va., Oct. 31, 19. **BUSINESS, MATHEMATICS**. A.B., Concord Col., 42; M.A., N.Y. Univ., 47, Ed.D., 54. Instr. math, CONCORD COL., 42-45, PROF. BUS. & CHMN. DIV. BUS. & ECON., 45-, consult. center econ. action. Quantitative techniques in business; statistics; mathematics for business; machines. Publ: Co-auth. College business mathematics, Pitman, auth. articles in: *Bus. Teacher*, 4/53 J. Bus. Ed. 3/56. Address: Dept. of Business, Concord College, Athens, W.Va. 24712.
- ARMFIELD, DR. AARON HOWARD**. Special Education. See A-K Vol, 11th ed, Soc. & Behav. Vols. New position & address: Chmn., 69-. Dept. of Special Education, University of Nebraska at Omaha, 60th & Dodge, Omaha, Nebr. 68101.
- ARMILLA, DR. JOSE**. Psychology. See A-K Vol, 11th ed, Soc. & Behav. Vols. New position & address: Soc. sci. analyst, 70-, U.S. Information Agency, 1750 Pennsylvania Ave. N.W., Washington, D.C. 20547.
- ARMSTRONG, DR. DAVID L(EE)**. Economics. See A-K Vol, 11th ed, Soc. & Behav. Vols. New position & address: Assoc. prof., 68-, Dept. of Agricultural Economics, Michigan State University, East Lansing, Mich. 48823.
- ARMSTRONG, DR. FORREST HARRELL**, b. Oklahoma City, Okla., Dec. 14, 43; m. 65; c. 1. **POLITICAL SCIENCE, URBAN STUDIES**. B.A., Yale, 65; M.A., Michigan, 66; Int. Bus. Mach. fel. & Ph.D. (Am. culture), 70. ASST. PROF. POLIT. SCI., WISCONSIN, GREEN BAY, 68-, ACTING CHMN. URBAN ANAL. CONCENTRATION, 69-. Polit. Sci. Assn. Electoral politics focusing on the Presidency and the party system; urban studies. Address: 309 Iroquois, Green Bay, Wis. 54301.
- ARMSTRONG, DR. J. SCOTT**, b. Philadelphia, Pa., Mar. 26, 37; m. 64; c. 2. **MANAGEMENT SCIENCE**. B.A., Lehigh, 59, B.S., 60; Rochester, 60-63; M.S. Carnegie-Mellon Univ., 65; Ph.D. (mgmt), Mass. Inst. Tech., 68. Indust. engr., Eastman Kodak Corp., N.Y., 60-63; ASST. PROF. MKT., MGT., WHARTON SCH., PENNSYLVANIA, 68-. Mem. sr. staff, Mgt. Sci. Center, 68-70. U.S.A., 61. Statist. Assn; Mkt. Assn. Long range sales forecasting and planning; studies on the demand for urban transportation; comparison of alternative statistical methods for analyzing survey data. Publ: The derivation of theory by means of factor analysis, *Am. Statistician*, 12/67; co-auth. On the interpretation of factor analysis, *Psychol. Bull.*, 11/68; auth. An application of econometric models to international marketing, *J. Mkt. Res.*, 5/70. Address: Dept. of Marketing, Wharton School, University of Pennsylvania, Philadelphia, Pa. 19104.
- ARMSTRONG, PROF. ROSS O**, b. Iowa City, Iowa, Sept. 9, 31; m. 57; c. 2. **EDUCATIONAL STATISTICS & MEASUREMENT**. B.S., Nebr. State Teachers Col., Chadron, 52; M.A., Iowa, 57, Ph.D. (ed), 62. Asst. prof. & res. assoc., Northern Iowa, 57-63; assoc. prof. statist. measurement & dir. dept., Kansas, 63-66; assoc. prof. res. statist. & assoc. dir. dept., MINNESOTA, 66-68; PROF. RES. STATIST. & ASST. TO EXEC. V. PRES., WASHINGTON STATE, 68-. U.S.N.R., 53-56, Lt. Psychol. Assn; Statist. Assn; Am. Higher Ed. Analytical studies and operations research for administrative decision making in higher education. Address: 1603 Cedarview Dr., Pullman, Wash. 99163.
- ARMSTRONG, WILLIS C(OBURN)**. Political Science. See A-K Vol, 11th ed, Soc. & Behav. Vols. New information: Pres. U.S. Coun. Int. Chamber of Commerce, 69-. sr. lectr. diplomacy, sch. int. affairs, Columbia. Address: 163 Brookstone Dr., Princeton, N.J. 08540.
- ARNAUD, PROF. SARA H(AYES)**. Clinical Psychology, Child Development. See A-K Vol, 11th ed, Soc. & Behav. Vols. New information: Clin. assoc. prof. psychol. sch. med., Pittsburgh, 69-. Dipl. clin. psychol., Am. Bd. Prnl. Psychol., 69-. Address: Arsenal Family & Children's Center, 40th St. & Penn Ave., Pittsburgh, Pa. 15224.
- ARNOLD, DR. DAVID BROOKS**. Political Science. See A-K Vol, 11th ed, Soc. & Behav. Vols. New information: Dir. study res. & policy, Ed. & World Affairs of New York, 69-. Address: Centre for International Studies, London School of Economics and Political Science, Houghton St., Aldwych, London, W.C.2, Eng.
- ARNOLD, DR. DELBERT D(ONALD)**. Modern American History. See 5th ed, *Dir. Am. Scholars*, Vol. I, Hist.
- ARNOLD, PROF. GENEVIEVE**, b. Montevideo, Minn., Feb. 15, 16. **SPEECH PATHOLOGY, PSYCHOLOGY**. B.A., Minnesota, 35, M.A., 36; Ph.D. (psychol), Houston, 55. Speech clinician & speech correction supvr., pub. schs., Minn., 36-42; asst. child psychol., Minnesota, 42-43; instr. speech correction, Hawaii, 43-48; assoc. prof. SPEECH PATH., HOUSTON, 48-56, PROF., 56-, dir. speech cln., 48-67. Vis. lectr., George Washington, summer 47. Mem. bd. dirs., Houston Speech & Hearing Center, TX, 54-62; consult. Vet. Admin. Hosp., Houston, 62-. Speech & Hearing Assn; Counc. Except. Children. Speech and language development and disorders: articulation, stuttering, and autism. Publ: Speech correction materials and tests, *Expression*, rev. ed., 63; Toward a better understanding of stuttering, *Hawaii Ed. J.*, 5/46. Address: 203 E. University of Houston, Houston, Tex. 77004.
- ARNOLD, DR. WILLIAM R(OBERT)**. Sociology. See A-K Vol, 11th ed, Soc. & Behav. Vols. New position & address: Assoc. prof., 68-, Dept. of Sociology, University of Kansas, Lawrence, Kans. 66044.
- ARNOVE, DR. ROBERT F**, b. Chicago, Ill., June 5, 37; m. 65; c. 2. **SOCIOLOGY, EDUCATION**. B.A., Michigan, 59; Univ. Michigan-Univ. London Student Leadership Exchange fel., London, 59-60; univ. fel. & M.A., Tufts, 61; univ. fel. & NDEA fel. & Ph.D. (int. develop. ed), Stanford, 69. Teaching asst. European hist., Tufts, 61-62; Peace Corps volunteer, Univ. Oriente, Venezuela, 62-64; res. assoc. int. ed. New Mexico, 65-66; res. asst. int. develop. ed, Stanford, 67-68; ASST. PROF. COMP. & INT. ED., INDIANA, BLOOMINGTON, 69-. Intern curriculum planning & eval., planning off., Ministry of Ed., Venezuela, 65-66; training officer, Peace Corps, Yale, summer 64. Ed. adv. Ford Found., Columbia, 69-. Sociology of education and political socialization; impact of school social structures on concepts of self-esteem, efficacy and the relationship between school contexts and integration into societal roles. Publ: The impact of university social structures on student alienation: a Venezuelan study, *U.S. Off. Ed.*, 70 & Praeger, (in press); A survey of literature and research on the Latin American university, *Latin Am. Res. Rev.*, fall, 67; Promoters of the U.S. model—exchange programs and the Peace Corps, in: *The United States presence in Latin America: universities in transition*, Univ. Florida, 70. Address: School of Education, Indiana University, Bloomington, Ind. 47101.
- ARONFRED, DR. EVA**. Political Science. See A-K Vol, 11th ed, Soc. & Behav. Vols. New position: Assoc. prof., Glassboro State Col. Address: 403 S. Cummings Ave., Glassboro, N.J. 08028.
- ARONOFKY, DR. JULIUS S**. Applied Mathematics. See 11th ed, *Phys. & Biol. Vols. & Suppl. I & V*.
- ARONS, DR. MYRON MILFORD**, b. Detroit, Mich., Oct. 17, 29; m. 62. **PSYCHOLOGY**. B.A., Wayne State, 61; D. Univ., Sorbonne, 65; M.A., Brandeis, 67. Prof. Eng. Mod. Col. Oyem, Africa, 62-63; ASSOC. PROF. PSYCHOL. & HEAD DEPT., Prince of Wales Col., 67-68; W.G.A. COL., 68-. Consult. banking & commerce clt., Canadian Senate, 67. U.S.N., 49-50, Res. 50-55. Psychological effects of psychodetic drugs, and legislation pertaining to such studies. Address: Dept. of Psychology, West Georgia College, Carrollton, Ga. 30117.
- ARONSON, DR. H(ARRIET) J(UNE)**. Psychology. See A-K Vol, 11th ed, Soc. & Behav. Vols. Change of address: C-200 Church & Panther Rds., Wyncote, Pa. 19095.
- ARONSON, DR. M(ORSE) J(UDAH)**. Legal Philosophy. See 5th ed, *Dir. Am. Scholars*, Vol. IV, *Philos. Relig. & Law*.
- ARONSON, DR. SIDNEY H(ERBERT)**. Sociology. See A-K Vol, 11th ed, Soc. & Behav. Vols. Change of address: 47 Ellsworth Rd., Larchmont, N.Y. 10453.
- ARP, DR. DENNIS JEROME**, b. Chicago, Ill., Sept. 2, 39; m. 68. **CLINICAL & EXPERIMENTAL PSYCHOLOGY**. B.S., Lewis Col., 61; M.A., Bradley, 62; Ph.D. (clin. psychol.), Washington (St. Louis), 68. Intern clin. psychol., Galesburg State Res. Hosp., 62-63; prof. dir. psychoter. res. Soc. Sci. Inst., Washington (St. Louis), 66-68; ASST. PROF. COMMUN. RES., BOSTON, 68-70. Prof. dir. for Nat. Insts. Ment. Health grant, 68-69; prin. invest. Boston Univ. grant in aid, summer 69. Consult. Harvard Sch. Pub. Health, 68-. Clin. psychol. consult. Vet. Admin. Hosp., Palo Alto, Calif., 69-70. Psychol. Assn. Content analysis; psychotherapy; statistical analysis; experimental design; computerized textual analysis; learning theory; survey and psychopharmaceutical research. Address: Dept. of Communication Research, Charles River Campus, Boston University, Boston, Mass. 02215.
- ARSENIAN, PROF. SETH**. Psychology. See A-K Vol, 11th ed, Soc. & Behav. Vols. New position & address: Prof., 69-, Dept. of Psychology, U.S. International University, Elliott Campus, 8655 Pomeroy Rd., San Diego, Calif. 92124.

- ARTES, DR. RICHARD H. b. Ionia, Iowa, Apr. 19, 26; m. 52. SPEECH PATHOLOGY. B.A., Arizona State, 49; M.A., Iowa, 51; Ph.D. (speech path), 67; summers, Northwestern, 53-55. Speech therapist, pub. schs, Minn., 50-52; Burrill Lab. Sch., Ball State, 52-64; speech pathology, Vet. Admin. Hosp., Iowa City, Iowa, 64-66; ASSOC. PROF. SPEECH, BALL STATE, 66- Speech & Hearing Asst. Coun. Except. Children, Aphasia, organic speech disorders. Address: Dept. of Speech, Ball State University, Muncie, Ind. 47306.
- ARTH, MAURICE P(HILLIP). Economics, Political Science. See A-K Vol, 11th ed, Soc. & Behav. Vols. New position: Managing officer instl. mgt. div., 69-, Booz, Allen & Hamilton, 245 Park Ave., New York, N.Y. 10017.
- ARTUSY, DR. RAYMOND L. b. July 25, 16; U.S. citizen; m. 37; c. 1. ECONOMICS, GEOLOGY. A.B., Southern California, 37, M.S., 39; A.B., St. Mary's (Tex.), 52; Stanolind fel. La. State, 52-54, Ph.D. (geol.), 60; Colorado, 63-68. Asst. prof. mineral. Sci. Mary's (Tex.), 50-52; geol. Texas Christian, 55-56; v. pres. Univ. Oil & Gas Co., Houston, Tex., 56-57; asst. prof. geol. N.Y. Univ., 57-59; chief geologist, Dorfman Prod. Co., Dallas, 59-60; res. assoc. Pa. State, 60-61; res. fel. California, Berkeley, 62-63; lectr. geog. Oregon, 63-64; ASSOC. PROF. ECON. NORTH. STATE COL., 68- Consult, Vamco, Tex., 50-; King & Artusy, 59-60. U.S.A.F. 41-45, 47-49, Maj. Econ. Asm; Geol. Soc. Am; Asn. Petrol. Geol. Paleont. Soc; Soc. Econ. Paleont. & Mineral. Economic development; pollution control; micropaleontology; geomorphology. Address: 250 Fair Place, Boulder, Colo. 80302.
- ASA, DEAN LELAND F. b. Morrill, Nebr., Oct. 3, 31; m. 52; c. 2. PSYCHOLOGY. B.A., Northwest Col. (Minn.), 54; M.A., Nebraska, Omaha, 62; Ph.D. (counseling psychol.), Wyoming, 64; Wisconsin, 67. Recreational therapist, Nebr. Psychiat. Inst., 56-57; asst. guid. ed. Wyoming, 61-62; dean students, Trinity Jr. Col. (B.C.), 62-65, assoc. prof. psychol., 65-67; asst. prof. Kearney State Col., 67-69; DEAN COL., TRINITY JR. COL. (B.C.), 69- Psychol. Asn; Personnel & Guid. Asn. Counselor personality and its effect on counselor behavior during the interview. Publ: Counselor personality and interview behavior, *Adm. Personnel & Guid. Asn.*, summer 67. Address: Box 789, Trinity Junior College, Langley, B.C., Can.
- ASCOUGH, DR. JAMES CLIFFORD, b. Monaville, W. Va., Aug. 20, 36; m. 58; c. 2. PSYCHOLOGY. B.A., Ohio State, 59; M.A., West Virginia, 62; Ph.D. (clin. psychol.), Georgia, 67. Psychologist, Collin Anderson Center, 60-63; counsr. Guid. Center, Georgia, 63-64. ASST. PROF. PSYCHOL. 66-67; PURDUE, 67- Consult, dept. psychol., Cent. State Hosp., Milledgeville, Ga., 67; Dr. Norman M. Beatty Mem. Hosp., Westville, Ind., 68; Ment. Hyg. Clin. Vet. Admin. Regional Off., Indianapolis, 68- Psychol. Asn; Soc. Proj. Tech. & Personality Assessment. Personality, psychotherapy and behavior therapy, especially psychophysiological measures of change; psychological screening devices for brain injury. Publ: Co-auth. Concurrent validities of the Mosaic and Bender Gesalt tests, *J. Consult. Psychol.*, 26: 430-434 & Operant verbal conditioning of autonomic responses, *Behav. Res. & Ther.*, 6: 363-370. Address: 1718 Northwestern Ave., West Lafayette, Ind. 47906.
- ASHBROOK, PROF. JAMES BARBOUR. Religion, Psychology. See 5th ed, Dir. Am. Scholars, Vol. IV, Philos., Relig. & Law.
- ASHBURN, PROF. KARL EVERETT. Economics, Finance. See A-K Vol, 11th ed, Soc. & Behav. Vols. New position: Prof. dir. dept. bus. & econ. & chmn. div. soc. sci., University of Plano, Plano, Tex. 75074.
- ASHER, ROBERT ELLER. Economics, Political Science. See A-K Vol, 11th ed, Soc. & Behav. Vols. New publ: A Forward look at foreign aid: development assistance in the 1970's, Brookings, 70. Address: Dept. of Foreign Policy Studies, Brookings Institution, Washington, D.C. 20036.
- ASHIDA, DR. SACHIO, b. Japan, May 2, 24; U.S. citizen; m. 55; c. 2. PSYCHOLOGY. B.A., Kwansei Gakuin Univ., Japan, 51; fel. Kyoto, 51-53; M.A., Nebraska, Lincoln, 58, Ph.D. (psychol.), 63. Lab. asst. PSYCHOL., Nebraska, Lincoln, 53-54, res. asst., 54-63; Nat. Sci. Found. fel., MICHIGAN, 63-64, lectr., 64-66, res. assoc., 64-66, ASST. PROF., 66- Japanese Imperial Army Air Force, 44-45. AAAS; Psychol. Asn. Various problems of incentive motivation and the effects of incentive motivation on learning and performance; the effects of incentive shifts on goal-choice patterns of rats in an open-field. Publ: Co-auth. Study guide to accompany psychology, Harper & Row, 66; auth. Modification by early experience of the tendency toward gregariousness in rats, *Int. Animal social psychology*, Wiley, 69; Effects of consecutive stages of reward magnitude on runway performance, *Psychol. Reports*, 69. Address: 1421 Glen Leven Rd., Ann Arbor, Mich. 48103.
- ASHLEY, E(DWARD) EVERETT, III. Economics. See A-K Vol, 11th ed, Soc. & Behav. Vols. New information: Independent retirement housing consult, 69- Address: 2604 Arlington Blvd., Arlington, Va. 22204.
- ASHLEY, DR. WAYNE R(OLLIN). Clinical Psychology. See A-K Vol, 11th ed, Soc. & Behav. Vols. New information: Private clin. psychologist, 68- Address: R.R. 1, Lynnwood, Peru, Ill. 61354.
- ASHMEN, DR. ROY, b. Camden, N.J., Oct. 15, 10; m. 44; c. 2. MARKETING MANAGEMENT, ECONOMICS. B.S., Drexel Inst., 35; M.S., Columbia, 36, prof. cert. 56; Ph.D. (mkt), Northwestern, 50. Instr. econ. & statist., Okla. Agr. & Mech. Col., 40; statist. & mkt., Detroit, 40-41; indust. & mkt. res., La. State, 41-42; chief res., Vet. Admin. Off., Ill., Ind. & Wis., 46; prof. mkt., Am. Inst. For Trade, 46-47; assoc. prof. Kansas, 47-49; prof. Pace Col., 50-52; supvr. res. acct. contact, Young & Rubicam, Inc., N.Y., 52-53; econ. analyst & supvr. res. & planning, Nat. Broadcasting Co., Inc., 53-58; ASSOC. PROF. MKT., MARYLAND, 58- summers, Found. Econ. Ed. fel., 62, 64 & 69; NAPM indust. fel., 64, 66 & 68. Mem. cmt. prod. distribution data, Nat. Distribution Coun., 55-56; domestic distribution cmt., Chamber Commerce of U.S., 57-59. U.S.N., 42-46, Res. Lt. Comdr. Mkt. Asn; Acad. Advert; Econ. Asn; Nat. Asn. Bus. Econ.; Nat. Asn. Purchasing Mgrs. Behavioral, economic and other social science aspects of marketing; application of scientific method and quantitative techniques to the solution of problems in marketing management, communications and consumer behavior. Address: Dept. of Business Administration, University of Maryland, College Park, Md. 20740.
- ASKEW, PROF. THOMAS ADELBERT, JR. American & Asian History. See 5th ed, Dir. Am. Scholars, Vol. I, Hist.
- ASKWIG, DR. WILLIAM JAMES, b. Billings, Mont., Oct. 24, 30; m. 56; c. 2. ECONOMICS. B.S.B.A., Denver, 56, M.B.A., 62; D.B.A., Texas Tech, 69. Indust. engr. Montgomery Ward & Co., 58-59; salesman, Pet. Mkt. Co., 59-60; teacher, Manual High Sch., 60-62; instr. bus. admin., Pueblo Jr. Col., 62-64; asst. prof. ECON., SOUTH. COLO. STATE COL., 64-68, ASSOC. PROF., 69- Mem., Pueblo Regional Planning Cmt. & South. Colo. State Col. Regional Serv. Inst., 67-68. U.S.A.F., 50-54, S/Sgt. Econ. Asn. Housing for low-income metropolitan families. Address: Dept. of Economics, Southern Colorado State College, Pueblo, Colo. 81005.
- ASPELIN, DR. ARNOLD LYLE. Agricultural Economics, Economics. See A-K Vol, 11th ed, Soc. & Behav. Vols. Change of address: 9705 Kiscoon Rd., Oxon Hill, Md. 20022.
- ASTIN, DR. HELEN S(TAVRIDOU). Psychology. See A-K Vol, 11th ed, Soc. & Behav. Vols. New position: Res. assoc. Bur. Soc. Sci. Res. Wash., D.C., 68- Address: 4829 Chevy Chase Blvd., Chevy Chase, Md. 20015.
- ASTIZ, DR. CARLOS A., b. Buenos Aires, Argentina, July 30, 33; m. 59. POLITICAL SCIENCE. B.A., Pa. State, 61, M.A., 64, N.Y. State scholar, 65-66, summer, univ. grant, 67, Ph.D. (polit. sci.), 68. Career officer, Fed. Criminal Court, Argentina, 53-57; asst. prof. POLIT. SCI. STATE UNIV. N.Y. ALBANY, 64-69, ASSOC. PROF., 69-, ASSOC. CENTER INTER-AM. STUDIES, 64- Summer, res. grant, 68, res. fel. & grant-in-aid, 69. Am. Polit. Sci. Asn.; Soc. Publ. Admin; Int. Polit. Sci. Asn. Socio-political background of the role of military in selected latin American countries; foreign policies of Argentina, Brazil, Mexico and Cuba; the Catholic Church as a power factor in Latin American countries. Publ: Pressure groups and power elites in Peruvian politics, *Cornell Univ.*, 69; Latin American international politics..., *Univ. Notre Dame*, 69; The Argentine armed forces: their role and political involvement, *West. Polit. Quart.*, 12/69. Address: Dept. of Political Science, 315 Sayles Hall, State University of New York at Albany, 179 Partridge St., Albany, N.Y. 12203.
- ASTRACHAN, DR. BORIS MORTON, b. New York, N.Y., Dec. 1, 31; m. 56; c. 4. PSYCHIATRY. B.A., Alfred, 52; M.D., Albany Med. Col., 56. Intern. U.S. Naval Hosp., St. Albans, L.I., 56-57; res. psychiatrist, U.S. Naval Hosp., Phila., Pa., 57-59; asst. dept. psychiatrist, U.S. Marine Corps Recruit Training Depot, Parris Island, 58-61; res. PSYCHIAT. SCH. MED. YALE, 61-63, instr., 63-65, asst. prof., 65-68, ASSOC. PROF., 68- Consult. psychiatrist, Norwich State Hosp., Conn., 63-69; attend. psychiatrist, Yale-New Haven Hosp., 68; acting dir., Conn. Ment. Health Center, New Haven, 70. AAAS; Am. Med. Asn.; Psychiat. Asn; N.Y. Acad. Sci.; Group Psychother. Asn. Group and family therapy; systems concepts and their relevance for psychiatric planning and practice. Publ: Co-auth., The psychiatrist's effect on the behavior and interaction of therapy groups, *Am. J. Psychiat.*, 123: 1379-1387; co-auth. Influence of the value system of a psychiatrist setting on behavior in group therapy meeting, 3: 165-167 & auth. Towards a social systems model of therapeutic groups, (in press), *Soc. Psychiat.* Address: Dept. of Psychiatry, Yale University School of Medicine, New Haven, Conn. 06510.
- ASTRACHAN, DR. MYRTLE A(RDATH). Psychology. See A-K Vol, 11th ed, Soc. & Behav. Vols. New position: Dir. clin. Werv. Beech Brook Children's Home, 69- Address: 2700 Colchester Rd., Cleveland Heights, Ohio 44106.
- ATCHLEY, DR. ROBERT C., b. San Antonio, Tex., Sept. 18, 39; m. 61; c. 2. SOCIOLOGY, DEMOGRAPHY. A.B. Miami (Ohio), 61; M.A., American Univ., 65, Ph.D. (sociol.), 67. ASST. PROF. SOCIOL. & ANTHROP. MIAMI, OHIO, 66- ASST. DIR. DEMOG. SCRIPPS FOUND. RES. IN POP. PROBS., 70. U.S.M.C., 61-65, Capt. Sociol. Asn; Pop. Asn. Am; Geront. Soc. Gerontology, especially retirement; sociology, particularly methodology and prisonization. Publ: Understanding American society, Ladsworth, 70; The population of O-K-1, Hamilton County, Ohio, 69; Socialization in prison communities, *Am. Sociol. Rev.*, 69. Address: Dept. of Sociology & Anthropology, Miami University, Oxford, Ohio 45056.
- ATHELSTAN, DR. GARY T., b. Minneapolis, Minn., Dec. 26, 36; m. 60; c. 2. PSYCHOLOGY. B.A., Minnesota, 60, fel., 64-65, Ph.D. (psychol. ed. psychol.), 66. Res. asst. counseling, Minnesota, 61-62, teaching asst. rehab. counsr. ed., 62-64; RES. PSYCHOLOGIST, ED. & OCCUPATIONAL RES. DIV. AM. REHAB. FOUND., 65- DIR. RES., 67- Asst. prof. ed., Mankato State Col., 68-69; guest lectr., med. sch. Minnesota, Minneapolis, 69- Correspondent, Nat. Adv. Cmt. Voc. Rehab., 68. U.S.N.R., 54-61. AAAS; Cong. Rehab. Med.; Nat. Voc. Guid. Asn. Vocational and educational research; interest measurement; psychometrics; behavior modification. Publ: Co-auth., A new approach to prediction of medical specialization, *Am. Psychol.*, *Am. Exp. Pub. Syst.*, 10; auth. Interest assessment as an aid to recruitment of physicians, *Arch. Phys. Med. & Rehab.*, 8/69; co-auth., The SVIB for women and demographic variables in the prediction of occupational tenure, *J. Appl. Psychol.*, 10/69. Address: 5527 Zenith Ave. S., Minneapolis, Minn. 55410.
- ATKIN, PROF. KENWARD, b. Houghton, Mich., Mar. 12, 19; m. 44; c. 4. COMMUNICATIONS, ECONOMICS. A.B., Michigan, 42, M.B.A., 51; Ph.D. (commun.), Mich. State, 61. Instr. mkt., Michigan, 51; lectr., Detroit Inst. Tech., 53-56; instr. advert. MICH. STATE, 56-60, asst. prof. ADVERT. & COMMUN., 61-64, assoc. prof., 64-68, PROF., 68- Foote, Cone & Belding fel., 62. U.S.A., 42-46; Nat. Guard, 46-49, Maj. Asn. Ed. in Journalism; Acad. Advert; Mkt. Asn.; Soc. & Behav. Sci. Asn.; Communications; Publ. Managerial advertising, Wiley, 69; Regulation of broadcast advertising, *J. Broadcasting*, fall 59; Media decisions, *Journalism Quart.*, spring 67. Address: Dept. of Advertising, Michigan State University, East Lansing, Mich. 48823.
- ATKINS, DR. PAUL (MOODY). Economics. See A-K Vol, 11th ed, Soc. & Behav. Vols. New information: Retired; also lectr. int. & bus. affairs & contrib. Rutgers Report on World Affairs radio prog. Address: 199 Inwood Ave., Upper Montclair, N.J. 07043.

- ATKINSON, PROF. BRIAN RUSSEL, b. Victoria, B.C. Mar. 28, 42; m. 43. PSYCHOLOGY. B.A. Victoria (B.C.), 65; M.A. Western Ontario, 66. Psychologist, St. Thomas Psychiat. Hosp. 66-67; ASST. PROF. PSYCHOL. CALGARY, 69- Developmental psychology, especially learning disorders in children. Pub: Co-auth, Tactile discrimination and motor skills in mongoloid and non-mongoloid retardates and normal children, *Am. J. Ment. Deficiency*, 67 & The effects of verbal and tactual pretraining on a form-board task, *Can. Psychologist*, 67. Address: Dept. of Psychology, University of Calgary, Calgary, Alta, Can.
- ATKINSON, PROF. RICHARD (CHATHAM). Psychology. See A-K Vol, 11th ed, Soc. & Behav. Vols. New position: Chmn., 69-, Dept. of Psychology, Stanford University, Stanford, Calif. 94305.
- ATKINSON, DR. SUE NEWELL, b. Falls City, Nebr., June 19, 23; m. c. 4. ECONOMICS. B.A., Park Col., 44; M.A., Wisconsin, 47, Ph.D. (econ. int. trade), 51. Res. asst. labor reporting, U.S. For. Serv., The Hague, 45-47; mem. adj. staff, Econ. & State Col., 54-56, asst. prof., 57-59; lectr., Baruch Col., City Col. New York, 62-64, asst. prof., 64-66; BRIDGEPORT, 66-68, ASSOC. PROF., 68- Econ. Asn. Monetary factors in business cycle and stabilization problems. Pub: Financial flows in recent business cycles, *J. Finance*, 3/65. Address: 29 Edgemar Hill Rd., Westport, Conn. 06880.
- ATTOWNE, DR. JOHN MILBURN, JR. Psychology. See A-K Vol, 11th ed, Soc. & Behav. Vols. New position: Prof. psychol., Montana, 69- Address: 645 Evans Ave., Missoula, Mont. 59801.
- ATWATER, PROF. CHARLES RUSSELL, b. Boston, Mass., Sept. 13, 23; m. 49; c. 4. COUNSELING PSYCHOLOGY. A.B. Gordon Col. (Mass.), 49; Houghton Col., 49-50; A.M. Boston, 51, Ed.M. 58, Ed.D. 61; Harvard Divinity Sch., 51-52. Teacher & superv., Woodstock Sch., India, 52-57; asst. Boston, 57-58, teaching fel. counseling, 58-59; dean students, STERLING COL., 59-61, assoc. prof. psychol. & hist., 61-65, PROF. PSYCHOL. & HEAD DEPT. 65-, acting head dept. ed., 62-63. Sig. C. U.S.A., 42-46, S/Sgt. Psychol. Asn.; Personnel & Guid. Asst. Nat. Voc. Guid. Asn.; Asn. Measurement & Eval. Guid. Personnel services; educational measurement. Address: Dept. of Psychology, Sterling College, Sterling, Kans. 67579.
- ATWOOD, DEAN EDWARD (CHARLES), JR. Economics. See A-K Vol, 11th ed, Soc. & Behav. Vols. New position: Dean sch. commerce econ. & polit., Washington & Lee, 69- Address: 203 W. Preston St., Lexington, Va. 24450.
- ATWOOD, DR. LYNN ERWIN, b. Sioux Falls, S. Dak., Aug. 27, 32; m. 54; c. 1. MASS COMMUNICATIONS. B.S. S. Dak. State Col., 54; M.A., 56, Ph.D. (mass comm.), 65. Instr. JOURNALISM, Iowa, 62-65, ASST. PROF., 65-67; SOUTHERN ILLINOIS, 67- U.S.A., 54-56, 1st Lt. Asn. Ed. in Journalism. Effects of attitudes on news writing; information selection patterns. Pub: Effects of incongruity between source and message credibility, spring 66 & Effects of source and message credibility on writing style, autumn 66, Journalism Quart.; Perception of television program preferences among teenagers and their parents, *J. Broadcasting*, fall 68. Address: Dept. of Journalism, Southern Illinois University, Carbondale, Ill. 62901.
- AUBREY, PROF. HENRY G. Economics. See 11th ed, Soc. & Behav. Vols, deceased.
- AUERBACH, DR. ARNOLD J. Sociology, Social Work. See A-K Vol, 11th ed, Soc. & Behav. Vols. New position: Prof. sociol., San Fernando Valley State Col., 69- Address: 9621 Yolanda Ave., Northridge, Calif. 91324.
- AUERBACH, DR. CARL, b. Philadelphia, Pa., Nov. 24, 42; m. 62. PSYCHOLOGY. B.A., Reed Col., 63; Ph.D. (psychol.), Pennsylvania, 68. ASST. PROF. PSYCHOL., Yeshiva, 68- Perception; phenomenology. Address: Dept. of Psychology, Ferkauf Graduate School, Yeshiva University, 55 Fifth Ave., New York, N.Y. 10003.
- AUERBACH, PROF. CARL A. Law. See 5th ed, Dir. Am. Scholars, Vol. IV, Philos., Relig. & Law.
- AUFRIEDT, DR. HANS. International Law. See A-K Vol, 11th ed, Soc. & Behav. Vols. New information: Prof. lectr., law, nat. law center, George Washington, 68- Address: 4200 Cathedral Ave. N.W., Washington, D.C. 20016.
- AUGELLI, PROF. JOHN. Geography. See A-K Vol, 11th ed, Soc. & Behav. Vols. New position & address: Prof., 70-, Center for Latin American Studies, University of Illinois, Urbana, Ill. 61801.
- AULTMAN, DEAN DONALD S., b. Gadsden, Ala., Sept. 22, 30; m. c. 2. EDUCATIONAL PSYCHOLOGY. B.A., Samford, 64; Ed.D. (ed. psychol.), Tennessee, 69. State youth dir., Church of God, P.M.S., 54-58 & Pa., 58-60, asst. nat. youth dir., 60-64, nat. youth dir., 64-69; V.P.R.S. & DEAN, LEE COL. (TENN.), 68- Instr. Tennessee, 67-68. Mem. bd. dirs., Nat. Sunday Sch. Asn., 64-68. Psychol. Asn. Lay leadership training for religious education. Pub: Learning Christian leadership, 58 & Guiding youth, 65, Pathway Press; A comparison of the word associations of culturally advantaged and disadvantaged children and teachers, *Univ. Tennessee*, 69. Address: 1480 Church St., Cleveland, Tenn. 37311.
- AUMACK, DR. LEWIS. Psychology. See A-K Vol, 11th ed, Soc. & Behav. Vols. New position: Dir. res. Alta. Newstart Inc. Address: P.O. Box 154, Lac La Biche, Alta, Can.
- AURAY, (ROBERT) (ROY). Economics. See A-K Vol, 11th ed, Soc. & Behav. Vols. New position: Dir. bus. res., long lines dept., Am. Tel. & Tel. Co. 69- Address: 19 Echo Ridge Rd., Upper Saddle River, N.J. 07458.
- AUSTIN, DR. DOUGLAS V., b. Indianapolis, Ind., Mar. 30, 37; m. 64; c. 6. FINANCE. B.A., Ohio Wesleyan, 59; M.A., Indiana, 61, Ph.D. (finance), 64. Teaching assoc. econ., Indiana, 60-62; asst. prof. finance, grad. sch., Michigan, 63-65; economist, Fed. Reserve Bank, Cleveland, Ohio, 65-67; assoc. prof. finance, Western Michigan, 67-69; CHMN. DEPT. FINANCE, TOLEDO, 69- Pres. Austin Financial Consultation Serv., 67- Econ. Asn.; Finance Asn.; Inst. Chartered Financial Anal. Corporate conflict; banking structure and competition. Pub: The proxy contest and corporate reform, *Bus. Res. Rev.*, 68. Grad. Sch. Bus. Admin., Univ. Mich., 65-67, co-ed., Modern techniques in bank management, Warren, 69; co-auth, Corporations in conflict: the tender offer, *Masterco*, 69. Address: Dept. of Finance, University of Toledo College of Business Administration, Toledo, Ohio 43680.
- AUSTIN, DR. LETTIE JANE. English, Education. See 5th ed, Dir. Am. Scholars, Vol. II, Eng., Speech & Drama.
- AUSTIN, PROF. WILLIAM MANDEVILLE. Linguistics. See 5th ed, Dir. Am. Scholars, Vol. III, For. Lang., Ling., & Philol.
- AUXIER, DR. GEORGE (WASHINGTON). International Relations, Economic History. See A-K Vol, 11th ed, Soc. & Behav. Vols. New information: Independent consult. & res. contractor, 68- Address: 12315 Fernmount Lane, Silver Spring, Md. 20902.
- AVANT, DR. LLOYD L. Experimental Psychology. See Suppl. VI to 11th ed, Phys. & Biol. Vols.
- AVERILL, DR. JAMES R., b. San Francisco, Calif., Nov. 29, 35; m. 62; c. 2. PSYCHOLOGY. B.A., San Jose State Col., 59; Fulbright grant, Bonn, 59-60; Ph.D. (psychol.), California, Los Angeles, 66. Lectr. psychol., California, Santa Barbara, 65-66, ASST. RES. PSYCHOLOGIST, CALIFORNIA, BERKELEY, 66- U.S.A., 54-57. Psychol. Asn.; Soc. Psychophysiol. Res. Psychophysiology of emotion. Pub: Grief: its nature and significance, *Psychol. Bull.*, 68; co-auth, Psychophysiological assessment, In: *Advances in psychological assessment*, Sci. & Behavior Bks., 68 & Cross cultural studies of psychophysiological responses during stress and emotion, *Int. J. Psychol.*, 69. Address: Dept. of Psychology, University of California, Berkeley, Calif. 94720.
- AVILA, DR. MANUEL, b. Mexico City, Mex., Nov. 22, 21; U.S. citizen; m. 65; c. 3. ECONOMICS. B.A., Pennsylvania, 61, Ford Found. fel., 61-64, Ph.D. (econ.), 65. Res. economist, spec. ops. res. off., American Univ., 64-65; off. econ. res., Econ. Develop. Admin., U.S. Dept. Commerce, 66; Office High Speed Ground Transportation, U.S. Dept. Transportation, 66-67; ASST. PROF. ECONOMICS, VILLANOVA, 67- U.S.A., 43-46, Sgt. Asn. Evolutionary Econ. Economics of underdeveloped areas; problems of social and economic interregional inequality. Pub: Tradition and growth, *Univ. Chicago*, 69. Address: Dept. of Economics, Villanova University, Villanova, Pa. 19085.
- AWKARD, PROF. JOSEPH C. JR. Psychology, Education. See A-K Vol, 11th ed, Soc. & Behav. Vols. Correction: Ed.D. (ed. psychol.), Virginia, 64. Address: 1108 Tanner Dr., Tallahassee, Fla. 32304.
- AXINN, DR. GEORGE HAROLD. Sociology, Mass Communication. See A-K Vol, 11th ed, Soc. & Behav. Vols. New position & address: Pres. & exec. dir., 69-, Midwest Universities Consortium for International Activities, University of Illinois, Champaign, Ill. 61820.
- AXINN, DR. (SIDNEY). Philosophy. See 5th ed, Dir. Am. Scholars, Vol. IV, Philos., Relig. & Law.
- AXLINE, DR. W. ANDREW, b. Newark, Ohio, Aug. 6, 40. POLITICAL SCIENCE, INTERNATIONAL RELATIONS. B.A., Ohio State, 62; Georgetown, 62-63; Ph.D. (int. rels.), Hopkins, 67; summer fel., Michigan, 67. Res. assoc., European Study Inst., 65-66; ASST. PROF. POLIT. SCI., OHIO STATE, 66- Mem. bd. dirs., Am. Friends Wilton Park, 67- Polit. Sci. Asn.; Soc. Int. Law. Regional organizations attempting economic and political integration. Pub: European community law and organizational development, *Oceans*, 68; Legal integration through judicial fiat, *J. Common Mkt. Studies*, spring 69. Address: Dept. of Political Science, Ohio State University, Columbus, Ohio 43210.
- AYEARST, PROF. MORLEY. Political Science. See A-K Vol, 11th ed, Soc. & Behav. Vols. New pub: The Republic of Ireland: its government and politics, New York Univ. & Univ. London, 69. Address: 245 Old Stone Highway, Springs, East Hampton, N.Y. 11937.
- AYRES, DR. BARBARA. Social Anthropology. See A-K Vol, 11th ed, Soc. & Behav. Vols. New information: Lectr., anthropol., Massachusetts, Boston, 68- Address: 54 Main St., Hyfield, Mass. 01922.
- AYRES, PROF. (LARENCE) (EDWARD). Economics. See A-K Vol, 11th ed, Soc. & Behav. Vols. New information: Emer. prof., 69-, Dept. of Economics, University of Texas, Austin, Tex. 78712.
- AZAR, DR. LARRY. Psychology. See A-K Vol, 11th ed, Soc. & Behav. Vols. Change of address: 119-58 27th Ave., Flushing, N.Y. 11354.
- AZNEER, DR. J. LEONARD. Philosophy, Religion. See 5th ed, Dir. Am. Scholars, Vol. IV, Philos., Relig. & Law.

B

- BAASEL, DR. PATRICIA (RADFIELD), b. Worthington, Ohio, Jan. 18, 37; m. 60; c. 1. CLINICAL PSYCHOLOGY. B.S., Cornell, 59; U.S. Pub. Health Serv. fel. & M.A. Michigan, 60; Ph.D. (clin. psychol.), Ohio, 68. Jr. instr. child develop., Rhode Island, 59; psychometrician, Pickens County Schs., S.C., 60-61; intern clin. psychol., Chuliffothe Vet. Admin. Hosp., 64-65; Flint Mem. Health Clin., 65-66; LECTR. CHILD PSYCHOL., OHIO, 68- Address: Route 4, Box 131 A, Athens, Ohio 45701.
- BABBIE, DR. EARL ROBERT, b. Detroit, Mich., Jan. 8, 38; m. 65; c. 1. SOCIOLOGY. A.B., Harvard Col., 60; M.A., California, Berkeley, 66, Ph.D. (sociol.), 69. Res. sociologist, surv. res. center, California, Berkeley, 66-

- 68, asst. dir. 67-68; ASST. PROF. SOCIOLOGY, HAWAII, 68-, DIR. INSTNL. RES. OFF. 70-, asst. sociologist, Soc. Sci. Res. Inst. 68-69, Surv. consult. model cities proj., Honolulu, Hawaii, summer 69. U.S.M.C., 60-63, 1st Lt. AAAS; Sociol. Assn. Soc. Sci. Study Relig. Survey research methodology; sociology of religion, medicine and education. Publ: Co-auth. To comfort and to challenge, 67 & auth. Science and morality in medicine, 70, Univ. California. Address: Dept. of Sociology, University of Hawaii, Honolulu, Hawaii 96822.
- BABCOCK, DR. SAMUEL DONALD, JR.** Psychology. See A-K Vol. 11th ed, Soc. & Behav. Vols. New position: Prin. clin. psychologist, Vineland State Sch, 69-. Address: 740 Pear St, Vineland, N.J. 08360.
- BACCHUS, DR. MOHAMED KAZIM**, b. Queenstown, Guyana, Oct. 11, 29; m. 51; c. 3. SOCIOLOGY. B.Sc. London, 55, M.A., 59, Leverhulme scholar, 61-62, UNESCO fel., 64-65, Ph.D. (ed. devlop), 66; WHO fel., California, Berkeley, 60-61, M.P.H. 61. Lectr. ed. inst., London, 59; health ed. officer, Ministry of Health, Govt. Guyana, 59-62, asst. chief ed. officer, Ministry of Ed, 62-65; lectr. ed. Univ. West Indies, 65-69; ASSOC. PROF. SOCIOL. OF ED, ALBERTA, 69-. Education and development in the emergent nations. Publ: Relationship between professional and technical officers during a period of administrative change, *Sociol. Rev.* 7/67, The development of educational planning with special reference to the West Indies, *Teacher Ed.* 6 & 12/67 & Patterns of educational expenditure in an emergent nation, *Soc. & Econ. Studies*, 9/69. Address: 12203 39th Ave, Edmonton 73, Alta, Can.
- BACH, WILFRID OSKAR.** Physical & Environmental Science. See 12th ed, Phys. & Biol. Vols.
- BACKENHEIMER, DR. MICHAEL S(AUL).** Sociology. See A-K Vol. 11th ed, Soc. & Behav. Vols. New position: Res. sociologist, Nat. Inst. Ment. Health, 69-, Address: 9409 Wadsworth Dr, Bethesda, Md. 20804.
- BACON, PROF. THEODORE SPAULDING, JR.** Urban Planning. See A-K Vol. 11th ed, Soc. & Behav. Vols. New position: Prof. planning, 69-, Dept. of Landscape Architecture, University of Massachusetts, Wilder Hall, Amherst, Mass. 01002.
- BADI, DR. JOSEPH**, b. Kutu, Poland, Apr. 19, 20; U.S. citizen; m. 58; c. 2. POLITICAL SCIENCE. Dipl. Teachers Sem., Lvov, Poland, 39; M.A., New Sch. Soc. Res. 56; Middlebury Col., 58; Ph.D. (Near East studies), N.Y. Univ., 68. Head teacher, Hebrew High Sch. N.Y. 54-68; ASST. PROF. HEBRAIC STUDIES, RUTGERS, 68-. Part-time instr., N.Y. Univ., 65-. Polit. Sci. Assn; Hist. Assn; Assn. Adv. Slavic Studies. State of Israel and the Arab League; Soviet Russia and the East Bloc. Publ: Religion in Israel today, *Bookman Assoc.* 59; ed. Fundamental laws of the State of Israel, 61 & auth. The government of the State of Israel, 63, Twayne. Address: Dept. of Hebraic Studies, Rutgers, The State University, New Brunswick, N.J. 08903.
- BAENNINGER, DR. RONALD**, b. Yokohama, Japan, Nov. 18, 37; U.S. citizen; m. 65. PSYCHOLOGY. B.E., Stevens Inst. Tech., 59; M.S., Carnegie Inst. Tech., 62; Ph.D. (psychol.), Hopkins, 66. Instr. PSYCHOL., Bethany Col., 62-63; ASST. PROF. TEMPLE, 66-. Nat. Inst. Ment. Health grant, 67-68. Psychol. Assn; Animal Behav. Soc; Psychonomic Soc. Study of social behavior, particularly aggressive behavior from a comparative point of view. Publ: Contrasting effects of fear and pain on mouse-killing by rats, 67 & Suppression of interspecies aggression by several aversive training procedures, 70, *J. Comp. & Physiol. Psychol.*; Catechol amines and social relations in Siamese fighting fish, *Animal Behav.* 68. Address: Dept. of Psychology, Temple University, Philadelphia, Pa. 19122.
- BAER, PROF. EVELYN ESTHER.** Communication Disorders. See 5th ed, Dir. Am. Scholars, Vol. II, Eng. Speech & Drama.
- BAER, DR. MICHAEL A.**, b. Atlanta, Ga., Feb. 4, 43; m. 64; c. 1. POLITICAL SCIENCE. B.A. Emory, 64; Georgia, 64; M.A., Oregon, 66, Ph.D. (polit. sci.), 68. ASST. PROF. POLIT. SCI., KENTUCKY, 68-. Polit. Sci. Assn. Interest group and legislative behavior; urban politics and population mobility; computer application to the behavioral sciences. Publ: Co-auth. Lobbying: interaction and influence in American state legislatures, Wadsworth, 69; Computers and political science, *Comput. & Humanities*, 67 & Expectations of Presidential leadership in decision making, *Int. The Presidency*, Little, 69. Address: Dept. of Political Science, University of Kentucky, Lexington, Ky. 40506.
- BAER, PROF. WERNER.** Economics. See A-K Vol. 11th ed, Soc. & Behav. Vols. New position: Prof. 69-, Dept. of Economics, Vanderbilt University, Nashville, Tenn. 37203.
- BAERRESEN, DR. DONALD WALTER**, b. Los Angeles, Calif., Dec. 29, 28. ECONOMICS. Ph.D. (econ.), California, Los Angeles, 60; Econ. Adv. Inst., Brazil, 65-68; DIR. RES. CENTER ADV. STUDIES INT. BUS, 68-. U.S.A. 55-57. Econ. Assn. Latin America. Publ: Co-auth. Latin American trade patterns, Brookings Inst., 65; auth. Method for planning economic integration in specified industries, *J. Common Mkt. Studies*, 67; Brazil's participation in LATFA, *Econ. of Brazil*, 68. Address: Hilton Center, 900 Wilshire, Suite 950, Los Angeles, Calif. 90017.
- BAGIN, PROF. DONALD R.**, b. Philadelphia, Pa., Feb. 3, 38; m. 66; c. 3. COMMUNICATIONS. B.A., Villanova, 59, M.A. 61; Ed.D. (sch. commun.), Temple, 69. Teacher, pub. schs., Pa., 59-64, pub. dir., 61-64, intern admstr., 64-65; asst. prof. commun., Glassboro State Col., 65, asst. prof., 66-68; supvr. info. sys., N.J. Dept. Ed., Trenton, 65-66; PROF. COMMUN. & DIR. PUB. RELS., GLASSBORO STATE COL., 68-. Commun. consult., N.J. State Dept. Ed., 67-; N.Y. State Dept. Ed., Albany, 68-; Ed. Improv. Center, Glassboro, 69-. Ed. Writers Assn. School-press relations; community attitude toward schools; ghetto communication; school bond issues and budgets. Publ: Public relations for principals, Gloucester County Supt. Off., Clayton, N.J., 69; Life in the jargon jungle, *Sch. Bd. Notes*, N.J. Fed. Bd., summer 68. Communication: a problem for schools, *Pa. Sch. Bd. J.* 1/68. Address: 806 Westminster Blvd, Turnersville, N.J. 08012.
- BAHADUR, PROF. RAGHU RAJ.** Mathematical Statistics. See Suppl. V to 11th ed, Phys. & Biol. Vols.
- BAHN, DR. WILLIAM M.**, b. Glen Rock, Pa., Jan. 3, 33; m. 56. EDUCATIONAL PSYCHOLOGY. B.S. Shippensburg State Col., 57; M.Ed., West. Md. Col., 59; Ed.D. (spec. ed.), West Virginia, 69. Teacher, Waynesboro Area Schs., 57-60; Westmoreland County Schs., 60-62; psychologist, Ind. County Schs., 62-66; ASSOC. PROF. ED. & SCH. PSYCHOL., INDIANA UNIV., PA., 69-. Assn. Ment. Deficiency; Coun. Except. Children; Psychol. Assn. Oral language of the mentally retarded. Address: Dept. of Educational Psychology, Indiana University of Pennsylvania, Indiana, Pa. 15701.
- BAHTI, DR. JAMES H.**, b. Hancock, Mich., July 10, 23; m. 48; c. 2. POLITICAL SCIENCE. B.S. Michigan Tech., 48; M.P.A. Michigan, 50, Ph.D. (polit. sci.), 59; fel. Brookings Inst., 66-67; Nat. War Col., 69-70. Instr. eng. admin. Michigan Tech., 49-51, asst. prof., 51-52, 54-55; FOR. SERV. OFFICER, U.S. DEPT. STATE, 55-. U.S.A.A.F., 43-46. Polit. Sci. Assn. Near East and Arab-Israel affairs; German affairs. Publ: The Arab economic boycott of Israel, privately pub., 67. Address: 6015 Chesterbrook Rd, McLean, Va. 22101.
- BAILEY, DR. HARRY A(UGUSTINE), JR.** Political Science. See A-K Vol. 11th ed, Soc. & Behav. Vols. New information: Also chmn. dept. polit. sci., Temple, 68-. New publ: Co-ed. Ethnic group politics, C.E. Merrill, 69. Address: Dept. of Political Science, Temple University, Philadelphia, Pa. 19122.
- BAILEY, DR. KENT GRAYBEAL**, b. Bluefield, W. Va., Nov. 21, 38; m. 64; c. 1. PSYCHOLOGY. B.A. Emory & Henry Col., 62; M.S., Va. Commonwealth Univ., 64; Ph.D. (clin. psychol.), West Virginia, 68. ASST. PROF. PSYCHOL., VA. COMMONWEALTH UNIV., 68-. Psychotherapy research and methodology; personal space and human territoriality. Publ: Sr. auth. Audiotape and videotape playback in psychotherapy, *Psychol. Bull.* (in press) & Developmental difference in self-ratings in intelligence, *J. Clin. Psychol.* (in press). Address: Dept. of Psychology, Virginia Commonwealth University, 810 W. Franklin St., Richmond, Va. 23220.
- BAILEY, DR. MATTOX AUGUSTUS**, b. Elberton, Ga., Mar. 12, 18; m. 47. PSYCHOLOGY. A.B., Paine Col., 40; A.M., Atlanta, 50; Ph.D. (psychol.), Catholic Univ., 51. Teacher, pub. sch., Ga., 40-42; instr. chem. Paine Col., 46-47; trainee psychol., Vet. Admin., 47-51, staff psychologist, 51-57, res. psychologist, 57-63; COORDINATOR RES. VET. ADMIN. OUTPATIENT CLIN., N.Y., 63-. Lectr., Brooklyn Col. & adj. prof. Adelphi, 66-Consult., Nassau Cardiac Eval. Unit, 68-. U.S.A., M/Sgt., 42-46. Effectiveness of group and individual psychotherapy in treatment of emotional disorder; psychiatric patients response to medication. Publ: Co-auth. Person perception, *J. Proj. Tech. & Personality Assessment*, 1/64; Differences in trait attribution, 1/67 & Length of stay in psychotherapy, 68, *J. Clin. Psychol.* Address: 89 Eldridge Ave., Hempstead, N.Y. 11550.
- BAILEY, DR. STEPHEN KIEMP.** Government. See A-K Vol. 11th ed, Soc. & Behav. Vols. New position: Chmn. policy inst., 69-, Syracuse University Research Corp., Merrill Lane, University Heights, Syracuse, N.Y. 13210.
- BAILY, DEAN NATHAN A.** Economics, Business Administration. See A-K Vol. 11th ed, Soc. & Behav. Vols. New information: Elected bd. dirs., U.S. Chamber of Commerce. Address: School of Business Administration, American University, Washington, D.C. 20016.
- BAILY, DR. LOTTE.** Social Psychology. See A-K Vol. 11th ed, Soc. & Behav. Vols. New position: Res. assoc. ed. res. center, Mass. Inst. Tech., 69-. Address: 3 Hurlbut St., Cambridge, Mass. 02138.
- BAIN, PROF. READ.** Sociology. See A-K Vol. 11th ed, Soc. & Behav. Vols. Change of address: 111 S.W. Harrison St., Apt. 5F, Portland, Ore. 97201.
- BAINES, DR. JOHN M.**, b. Philadelphia, Pa., Dec. 25, 35; m. 58; c. 2. POLITICAL SCIENCE. A.B., Washburn, 62; M.A., Wisconsin, Madison, 64, Ph.D. (polit. sci.), 68. ASST. prof. POLIT. SCI. & acting chmn. dept., Wittenberg, 67-68; ASST. PROF. WYOMING, 68-. Summers, Soc. Sci. Found. res. fel., Denver, 69, faculty res. fel., Wyoming, 69. Polit. Sci. Assn. Revolutionary political thought; Latin American military forces; political violence. Publ: Revolution in Peru, the role of Mariategui, *Rocky Mt. Soc. Sci. J.* 4/70; The political leaders of Peru, In: *Latin American leaders*, Ariz. State Univ., 70. Address: Dept. of Political Science, University of Wyoming, Laramie, Wyo. 82070.
- BAIR, DR. JOHN T(HÉODORE).** Psychology. See A-K Vol. 11th ed, Soc. & Behav. Vols. Change of address: Psychological Service of Pittsburgh, 100 Fifth Ave., Pittsburgh, Pa. 15222.
- BAIRD, DR. CHARLES W(ILBUR)**, b. Gardner, Mass., Aug. 9, 38; m. 60; c. 2. ECONOMICS. B.S. Clark, 64; Woodrow Wilson Found., Pan American University, California, Berkeley, 64, Ph.D. (econ), 68. ASST. PROF. ECON., CALIFORNIA, LOS ANGELES, 68-. U.S.N.A. 57-61. Econ. Assn. Medical economics; economic theory; history of theory. Publ: On the publicness of health care, *Rev. Soc. Econ.* 9/69; Knut Wicksell on the integration of monetary and value theory, *Swedish J. Econ.* 6/70; A proposal for financing the purchase of health services, *J. Human Resources*, winter 70. Address: Dept. of Economics, University of California, Los Angeles, 405 Hilgard Ave., Los Angeles, Calif. 90024.
- BAIRD, PATRICK D(UGLAS).** Geography, Glaciology. See Suppl. V to 11th ed, Phys. & Biol. Vols.
- BAIRD, DR. WILLIAM M.**, b. Kansas City, Kans., Oct. 5, 35; m. 57; c. 2. ECONOMICS. A.B. Wittenberg, 57; M.A., Ohio State, 59, Ph.D. (econ), 68. Instr. ECON., Wittenberg, 58-63; asst. prof., 63-68; ASSOC. PROF., WOOSTER COL., 68-. Econ. Assn. Labor markets and mobility; medical labor markets. Publ: Barriers to collective bargaining in registered nursing, *Labor Law J.* 1/69. Address: Dept. of Economics, College of Wooster, Wooster, Ohio 44691.

- BAIROCH, DR. PAUL, b. Antwerp, Belgium, July 24, 30; m. 56; c. 1. ECONOMIC HISTORY & DEVELOPMENT. Dipl. econ. hist. Sorbonne, 58; Ph.D. (econ), Brussels, 63. Res. asst. Am. Joint Distribution Cmt, Geneva, 58; res. leader econ. inst. social, Brussels, 59; asst. prof. econ. develop, 65; econ. counselor, Gen. Agreement, Tariff & Trade UN, Geneva, 67-69. PROF. ECON. HIST. & DEVELOP. SIR GEORGE WILLIAMS, 69. Belgium Army, 50-53. Econ. Hist. Soc. History and theory of the first stages of economic development of various types of societies; international historical statistics. Publ: *Revue Industrielle et sous développement*, S.E.D.E.S. Paris, 63, 3rd ed. 69; *Diagnostic de l'évolution économique du tiers-monde, 1900-1966*, Gauthier-Villars, Paris, 67, 4th ed. 70; *Agriculture and the industrial revolution*, Collins, London, 69. Address: Dept. of Economics, Sir George Williams University, Montreal 107, Que, Can.
- BAJZA, PROF. CHARLES C, b. Bacs, Hungary, May 9, 14; U.S. citizen; m. 44; c. 5. GEOGRAPHY. B.A. Indiana, 41; M.A., 42; Ph.D. (geog.), McGill, 47. Instr. geog. Indiana, 41-43 & 47-49; geologist, Standard Oil & Gas Co, 43-47; PROF. GEOG. TEXAS A&I, 49. CHMN. DEPT. GEOG. & GEOL, 62. Vls. prof. Orange State Col, 62; curriculum consult. Tex. Pub. Sch. Sys. Assn. Am. Geog. Nat. Coun. Geog. Ed. The geography of Texas, North America and Central and East Europe. Publ: Co-auth. World geography, McGraw, 63; auth. Your Texas government, 62; At home and far away, 65, Benson. Address: Dept. of Geography & Geology, Texas A&I University, Kingsville, Tex. 78363.
- BAKER, DR. CLINTON A(ILLAN), b. Louisville, Ky, June 10, 28; m. 55; c. 2. MARKETING. B.S. Louisville, 55; M.B.A. Indiana, 57; D.B.A.(mkt), 61. Asst. prof. MKT. SOUTH CAROLINA, 59; A.S.S.O.C. PROF. 64. U.S. F, 50-55; S/sgt. Mkt. Assn. Image studies; consumer surveys; sales analysis; brand surveys. Publ: *Wholesaling in South Carolina*, Univ. S.C. 63; *Marketing planning, 64 & Interdependency in the marketing mix*, 68, South. J. Bus. Address: Dept. of Marketing, University of South Carolina College of Business Administration, Columbia, S.C. 29208.
- BAKER, DR. ELDON E. Communication. See A-K Vol, 11th ed, Soc. & Behav. Vols. New information: Sr. mgr. develop. coordinator, commercial airplane div, Boeing Co, 68-69; dir, communication res. center, Montana, 69. Address: University of Montana, Missoula, Mont, 59801.
- BAKER, DR. ELLEN, b. Germany, Feb. 14, 39; U.S. citizen; m. 62; c. 1. PSYCHOLOGY. B.A. N.Y. Univ, 60; B.Sc. London, 64, Ph.D.(exp. psychol), 67. ASST. PROF. PSYCHOL. PRATT INST, 67. Psychol. Assn. Perception of complex stimuli; individual differences in perceptual and cognitive processes. Publ: Co-auth. A note on field dependency and movement after-effects, Brit. J. Psychol, 67. Address: Dept. of Psychology, Pratt Institute, Brooklyn, N.Y. 11205.
- BAKER, DR. HAROLD B(RUSS). Economics, Business Administration. See 11th ed, Soc. & Behav. Vols, deceased 69.
- BAKER, PROF. JOHN W(ESLEY). Political Science. See A-K Vol, 11th ed, Soc. & Behav. Vols. New position: Dir. res, Baptist Joint Cmt. Pub. Affairs 69. Address: 6414 Crane Terr, Bethesda, Md. 20034.
- BAKER, PROF. KATHERINE ELEANOR. Experimental Psychology. See A-K Vol, 11th ed, Soc. & Behav. Vols. New position & address: Prof. 69, Dept. of Psychology, Hood College, Frederick, Md. 21701.
- BAKER, DR. NORMAN ROBERT, b. Salem, Mass, June 28, 37; m. 60; c. 2. INDUSTRIAL ENGINEERING, MANAGEMENT SCIENCE. B.S. Northeastern, 61; M.S. Northwestern, 63. Nat. Defense Ed. Act grant, 63-65. Ph.D.(indust. eng. mgt. sci), 65. Asst. prof. INDUST. ENG. Purdue, 64-67, ASSOC. PROF. 67-68; GA. INST. TECH., 64. Nat. Sci. Found. Off. Sci. Info. Sys. grants, 66-70. Consult. Prog. Mgt. Res. & Develop. Northwestern, 65-67; Rock Island Arsenal, Dept. Army, 66-68. Opera. Res. Soc. Am; Inst. Mgt. Sci; Inst. Indust. Eng. Administration of industrial research and development; management and control of information storage and retrieval systems. Publ: Co-auth. Some organizational factors related to the effectiveness of management science groups in industry. Mgt. Sci, 4/67; auth. An analytical model of worker performance in incentive situations, J. Indust. Eng, 8/68 & The use of simulation in studying information storage and retrieval systems, Am. Document, 10/68. Address: Dept. of Industrial Engineering, Georgia Institute of Technology, Atlanta, Ga. 30332.
- BAKER, DR. PAUL C(LEO), II. Psychology. See A-K Vol, 11th ed, Soc. & Behav. Vols. New position & address: Dir. human resources, 69, Motorola Executive Institute, Vail, Ariz. 85641.
- BAKER, PROF. RALPH LAVERN. Agricultural Economics. See A-K Vol, 11th ed, Soc. & Behav. Vols. Change of address: Ohio State University, 2120 Fyffe Rd, Columbus, Ohio 43210.
- BAKER, DR. ROBERT A(LLEN), JR. Psychology. See A-K Vol, 11th ed, Soc. & Behav. Vols. New position & address: Chmn. dept. psychol, 69, University of Kentucky, Kastle Hall, Lexington, Ky. 40506.
- BAKER, DR. ROBERT WILLIAM. Psychology. See A-K Vol, 11th ed, Soc. & Behav. Vols. New position: Asst. provost for student affairs, Clark, 69, no longer dean students. Address: 398 May St, Worcester, Mass. 01602.
- BAKER, DR. ROSS K, b. Philadelphia, Pa, June 26, 38; m. 66. POLITICAL SCIENCE. B.A. Pennsylvania, 60; M.A., 62, Ph.D.(polit. sci), 66; California, Berkeley, 62-63. Res. asst. for policy, For. Policy Res. Inst, 63-65; res. scientist ml. affairs, Center Res. Soc. Sys. 65-66; res. assoc. African affairs, Brookings Inst, 66-68; asst. prof. POLIT. SCI. RUTGERS, 68-70. ASSOC. PROF. 70. Prof. lect. Catholic Univ, 67-68. Polit. Sci. Assn; Am. Soc. & Behav. Scientists; fel. African Studies Assn. African political development; comparative military institutions in African and Afro-American studies. Publ: Military status and status-deprivation in three Latin American armies, American Univ, 67; The Afro-American, Van Nostrand & Reinhold, 69; The emergence of Biafra, Orbis, 68. Address: Dept. of Political Science, Rutgers, The State University, New Brunswick, N.J. 08903.
- BAKER, PRES. THOMAS E(RIC). Political Science. See A-K Vol, 11th ed, Soc. & Behav. Vols. New position & address: Pres, 69, Briarcliff College, Briarcliff Manor, N.Y. 10510.
- BAKER, DR. THOMAS WILLIS, b. Philadelphia, Pa, Dec. 12, 38; m. 63; c. 1. EXPERIMENTAL PSYCHOLOGY. A.B. St. Joseph's Col(Pa), 52; M.A., Wisconsin, Madison, 55, Ph.D.(psychol), 67. ASST. PROF. PSYCHOL, Wis. State, Whitewater, 66-66; LAWRENCE, 68. Psychol. Assn; Psychonomic Soc. Animal learning, especially variables affecting avoidance conditioning; properties of conditioned stimulus and component control within compound stimuli. Publ: Component strength in a compound CS as a function of number of acquisition trials, 79; 347-352 & Resistance to extinction of components in a compound stimulus as a function of the CS-CS interval and practice conditions, 80: 304-310, J. Exp. Psychol; Properties of compound conditioned stimuli and their components, Psychol. Bull, 70:611-625. Address: Dept. of Psychology, Lawrence University, Appleton, Wis. 54911.
- BAKER, DR. WILLIAM GEDNEY, b. New York, N.Y. May 15, 31; m. 66. POLITICAL SCIENCE. B.A. Virginia, 54; M.A., Grad. Inst. Studies, Geneva, 59, Ph.D.(polit. sci), 68. Res. economist, Battelle Mem. Inst, D.C., 66-70; ECONOMIST, WHO, 70. U.S.A. 54-56, Capt. Polit. Sci. Assn; Acad. Polit. & Soc. Sci; African Studies Assn. International politics and law; United States foreign policy; political and economic aspects of arms control; economics of developing countries. Publ: The United States and Africa in the United Nations: a case study in American foreign policy, 68. Address: 63 Stonebridge Rd, Montclair, N.J. 07042.
- BALAGUR, DR. SAUL. Physiological Psychology, Biopsychology. See Suppl. VI to 11th ed, Phys. & Biol. Vols.
- BALANCE, DR. WILLIAM D, G, b. Birmingham, Ala, Aug. 14, 36. PSYCHOLOGY. B.A. Birmingham-South. Col, 57; Ph.D.(clin. psychol), Alabama, 67. U.S. Pub. Health Serv. intern. psychol. inst. human develop, Clark, 61-62; consult. psychol.; Soc. Am. State Dept. Ment. Hlth. 62-68. Clin. psychol., Emory, 67-68; ASST. PROF. PSYCHOL. & ASSOC. DIR. PSYCHOL. CENTER, WINDSOR, 68. Staff clin. psychologist, Ga. Ment. Health Inst, Atlanta, 67-68. Consult. psychologist, Jackson County Ment. Health Assn, 64-67; Jackson County Bd. Ed. Scottsboro, 67. Mem. bd. dirs. St. Vincent's Nursery Sch, Birmingham, 65-67; Goodwill Indus. Windsor, Ont, 70. Psychol. Assn. Publ: Co-auth. Verbalenstherapie im achtien Jahrhundert, Mitteilungen der Gesellschaft, 69; Mental illness: myth, metaphor or model, Pratt. Psychol, winter 70 & A note on Goethe as behavior therapist, J. Hist. Behav. Sci, (in press). Address: Psychological Center, University of Windsor, Windsor 11, Ont, Can.
- BALDONADO, DR. ORLINO C. Nuclear Engineering, Applied Mathematics. See Suppl. VI to 11th ed, Phys. & Biol. Vols.
- BALDOS, DR. CORAZON SARINAS. Psychology. See A-K Vol, 11th ed, Soc. & Behav. Vols. New position: Asst. dir. & psychologist in charge, Garden State Oxygene House, Newark, N.J. 69. Address: 200 E. 27th St, New York, N.Y. 10016.
- BALDWIN, DR. JOHN DAVID, b. Cincinnati, Ohio, June 24, 41; m. 67. PRIMATOLOGY, SOCIOLOGY. B.A. Hopkins, 63, Ph.D.(sociol. primatology), 67; fel. Freiburg, 63-64. ASST. PROF. SOCIOLOGY, SANTA BARBARA, 67-68. Field studies on social behavior in New World primates, especially Salmiri; analysis of behavior in simulation games. Publ: The social behavior of adult male squirrel monkeys (Salmiri sciureus) in a seminatural environment, 68 & The ontogeny of social behavior of squirrel monkeys (Salmiri sciureus) in a seminatural environment, 69, *Folia Primatologica*; influences of detraction to simulation gaming, Am. Behav. Scientist, 69. Address: Dept. of Sociology, University of California, Santa Barbara, Calif. 93106.
- BALDWIN, DR. ROGER, b. Boston, Mass, Nov. 14, 28; m. 49; c. 5. SOCIOLOGY, SOCIAL WELFARE. A.B. Boston, 52; M.A. N.Y. Univ, 56, Martin Luther fel, 64, Ph.D.(sociol), 67. Prob. officer, New York City Prob. Dept. 65-60, suprv, 60-62; asst. prof. SOCIOLOGY, MUHLNBERG COL, 62-68, ASSOC. PROF. 68. Lectr. Pub. Serv. Inst, Allentown & Phila, Pa, 66-; vls. assoc. prof, Lehigh, 69. Consult. anti-poverty prog, Allentown, Pa, 67-68. U.S.N. 45-49. Sociol. Assn; Soc. Crimino; Nat. Coun. Crime & Delinquency. Juvenile delinquency, crime and family relations; sociological and psychological theory and its applications; study of the police. Publ: The consequences of the overdetention of authority and the police image, 2/70 & The police and the ex-convict: the reciprocity of suspicion, (in press), *Criminologica*; The police as moral enforcers: in: Sex on the contemporary American scene, (in press). Address: Dept. of Sociology, Muhlenberg College, Allentown, Pa. 16104.
- BALDWIN, DR. WOODROW WILSON, b. Dumas, Tex, Mar. 20, 20. BUSINESS ADMINISTRATION. B.S. Oklahoma, 42; M.A. California, Los Angeles, 47, Ed.D.(bus. ed), 52. Instr. bus. California, Los Angeles, 46-52, asst. prof, 52-56; PROF. BUS. AND CHMN. DEPT. BUS. ADMIN, SIMMONS COL, 56. Consult. Lockheed Aircraft, 49; Twentieth Century-Fox Studios, 50; Culver City Sch, 53; Components Sales Corp, N.Y. 61; Crosby Corp, Mass, 66. U.S.A. 42-45. Admin. Mgt. Soc. Adv. Mgt; Mgt. Assn. European business methods; management decision making. Publ: Co-auth. Gregg speed building for colleges, McGraw, 58 & A guide for the teaching of shorthand and transcription, Calif. Dept. Ed, chap. In: The dynamic world of education for business: issues, trends, forecasts, South-West, Publ. Co, 69. Address: Dept. of Business Administration, Simmons College, 300 The Fenway, Boston, Mass. 02115.
- BALESTER, DR. RAYMOND J(AMES). Psychology. See A-K Vol, 11th ed, Soc. & Behav. Vols. New position: V-provost soc. & behav. sci, Case Western Reserve, 69. Address: 2460 Edgell Rd, Cleveland Heights, Ohio 44106.
- BALICKA, SOPHYA M. International Economics. See A-K Vol, 11th ed, Soc. & Behav. Vols. New position: Secy-treas, Balco Screw Mach. Prod. Co, Franklin Park, 68. Address: 4137 Henderson St, Chicago, Ill. 60641.

- BALK, DR. WALTER L.**, b. Buffalo, N.Y., Dec. 17, 24; m. 51; c. 3. ORGANIZATIONAL BEHAVIOR. B.S.I.E., Lafayette Coll., 50; Gen. Elec. fel., Cornell, 63-64; M.S. 64, Ph.D. (orgn. behav.), 67. Clerk-Interpreter, For. Serv., U.S. Dept. State, Brazil, 42-44; engr. Int. Bus. Mach. Corp., 50-54; mgr. prod. control, 54-58, prod. mgr. mfg., 58-62; asst. prof. ORGN. BEHAV. STATE UNIV. N.Y. ALBANY, 66-70; ASSOC. PROF., 70- Consult, Dept. Ment. Hyg., Div. Voc. Rehab., Dept. Soc. Welfare & Dept. Ed., N.Y. State, 67- U.S.A., 44-46; S/sgt. Psychol. Asst.; Inst. Indust. Engng. Soc. Pub. Admin. Organizational theory and psychology; systems analysis; bureaucratic impact upon social change; international administration. Publ: Co-auth., An analysis of the division of vocational rehabilitation, U.S. State Dept. Ed., 68; auth., The destructive stereotype, J. Indust. Engrs., 6/85 & state perceptions of management peers, Acad. Mgt. J., 12/69. Address: P.O. Box 318 A, Delmar, N.Y. 12054.
- BALL, DR. DONALD (WATKINS)**, b. San Francisco, Calif., May 23, 34; m. 59; c. 3. SOCIOLOGY. B.A., California, Santa Barbara, 60; M.S., Oregon, 62; M.A., California, Los Angeles, 66, Can. Coun. fel., 68-69, Ph.D. (sociol.), 69. Vis. asst. prof. SOCIOL., British Columbia, 66; lectr., VICTORIA, 67-69, asst. prof., 69-70; ASSOC. PROF., 70- Grants, Univ. Victoria Faculty Res. Cmt., 67-70; assoc. ed., Pac. Sociol. Rev., 70. Sociol. Asn.; Soc. Study Social Probs.; Can. Sociol. & Anthropol. Asn. Interaction in natural settings; deviance; comparative and cross-cultural analysis; the family; infrahuman social organization and behavior; microecology. Publ: An abortion clinic ethnography, Soc. Probs., winter 67; Toward a sociology of telephones and telephones, In: Sociology and everyday life, Prentice-Hall, 68; The problematics of respectability, In: Deviance and responsibility, Basic Books, 70. Address: Dept. of Sociology, University of Victoria, Victoria, B.C., Can.
- BALL, DR. ESPY D.**, b. Atlanta, Ga., Nov. 16, 36; m. 61; c. 2. PSYCHOLOGY. A.B., Emory, 62; M.S. Pa. State, 65, Ph.D. (psychol.), 67. Intern. clin. psychol., Dept. Psychiat., North Carolina, 68-69; ASST. PROF. PSYCHOL., SOUTH FLORIDA, 67. Consult. clin. psychologist, Ment. Health Center Polk County, Bartow, Fla., 67- U.S.N. 55-59. Psychol. Asn. Personality types; factors underlying nurturant behavior. Address: Dept. of Psychology, University of South Florida, Tampa, Fla. 33620.
- BALL, DR. THOMAS STRAND.** Psychology. See A-K Vol. 11th ed, Soc. & Behav. Vols. New position: Res. specialist, Pac. State Hosp., 70- Address: 622 Albion Place, Pomona, Calif. 91766.
- BALLA, DR. DAVID ANDREW**, b. Pittsburgh, Pa., July 4, 39; m. 64; c. 1. DEVELOPMENTAL PSYCHOLOGY. B.A., DePaul, 61; U.S. Pub. Health Serv. fel., Yale, 61-63, M.S. 65, Ph.D. (psychol.), 66. Asst. prof. pediat. & chief psychologist children's rehab. unit, med. sch., Kansas, 66-67; RES. STAFF PSYCHOLOGIST, YALE, 67- CHILD STUDY CENTER, 68- Lectr., Kansas, 66-67. Consult., U.S. Vet. Admin., 67- Motivational determinants of performance of retarded children. Address: Dept. of Psychology, Yale University, 333 Cedar St., New Haven, Conn. 06520.
- BALLER, PROF. WARREN (ROBERT).** Educational Psychology. See A-K Vol. 11th ed, Soc. & Behav. Vols. New position & address: Prof. psychology, 68- U.S. International University, Elliott Campus, 8555 Pomerado Rd., San Diego, Calif. 92124.
- BALLESTEROS, DR. PAULINO A.** International Economics. See A-K Vol. 11th ed, Soc. & Behav. Vols. New information: Also chmn. 70- Dept. of Economics, Albright College, Box 1, Reading, Pa. 19604.
- BALLIF, DR. BONNIE LAURIS.** Educational Psychology. See A-K Vol. 11th ed, Soc. & Behav. Vols. New position & address: Asst. prof., 68- Graduate School, Fordham University, Lincoln Center, New York, N.Y. 10023.
- BALLIN, DR. MARIAN R(UTH).** Psychology. See A-K Vol. 11th ed, Soc. & Behav. Vols. New information: Private counseling practice, 69- Address: Route 1, Box 2205, Applegate, Calif. 95703.
- BALMUTH, PROF. JEROME.** Philosophy, Religion. See 5th ed, Dir. Am. Scholars, Vol. IV, Philos., Relig. & Law.
- BALSWICK, DR. JACK ORVILLE**, b. Turlock, Calif., May 15, 38; m. 62; c. 2. SOCIOLOGY. B.A., Chico State Coll., 60; M.A., Iowa, 62, W.E.W. fel. & Ph.D. (sociol.), 67; Trinity Evangel. Divinity Sch. (Ill.), 67-68. ASST. PROF. SOCIOLOGY, Wis. State, Oshkosh, 64-67; Trinity Coll. (Ill.), 67-68; GEORGIA, 68- Sociol. Asn.; Nat. Comm. Family Rel.; Soc. Sci. Study Relig.; Am. Sci. Affiliation. Sociology of the family, especially premarital sexual attitudes and behavior and spouse relationships; sociology of religion, particularly religious subcultures and ministerial beliefs and relationships. Publ: Are American Jewish families closely knit, J. Jewish Soc. Studies, 66; co-auth., Role definition in the unarranged date, 69 & auth., Spouse support and employment success, 5/70, J. Marriage & Family. Address: Dept. of Sociology, University of Georgia, Athens, Ga. 30601.
- BALTZ, DR. HOWARD BURL.** Applied Statistics, Economics. See A-K Vol. 11th ed, Soc. & Behav. Vols. New publ: Fundamentals of business analysis, 70 & Study guide for fundamentals of business analysis, 70. Prentice Hall. Address: School of Business Administration, University of Missouri at St. Louis, St. Louis, Mo. 63121.
- BALYEAT, PROF. RALPH EVERETT**, b. Jasper, Mich., June 26, 06; m. 60; c. 2. INDUSTRIAL PSYCHOLOGY. B.S., Ohio State, 28; M.A., Toledo, 32; P.E., Purdue, 50; Ph.D. (indust. rels. & psychol.), Minnesota, 59. Engr. Asst. Tel. & Tel. Co., Ohio, 28-34; asst. m. Goodyear, 35-36; inst. high sch., 36-42; dir. coop. training, Evansville Coll., 45-46; mem. faculty, Purdue, 46-55; res. fel., Minnesota, 55-56; mem. faculty, Wichita State, 56-57; PROF. MGT., GEORGIA, 59- DR. EMPLOYEE RELS. INST., 62- Int. Bus. Mach. fel. quant. methods in bus., 64; Ford Found. res. in ed. & Carnegie Found. fel. promotional practices in univ., 65; Health, Ed. & Welfare res. grants, 65-68. U.S.N.R., 42-45. Indust. Rel. Res. Asn. Research, service and instructional projects dealing with all phases of employer-employee relationships; policies and practices in business, industry and education. Publ: The development of an audit tool and technique for measuring communications effectiveness in a firm, Acad. Mgt., 62, Institutional practice concerning faculty status and rewards, Current Issues in Higher Ed., 66, The case for direct incentives, Indust. Engng. J., 12/69. Address: University of Georgia, 226 White Avenue Bldg., Athens, Ga. 30601.
- BANDEEN, DR. R(OBERT) A(NGUS).** Econometrics. See A-K Vol. 11th ed, Soc. & Behav. Vols. New position: V-pres. corp. planning & finance, 68-, Canadian National Railways, P.O. Box 8100, Montreal 101, Que., Can.
- BANET, DR. ANTHONY GEORGE, JR.**, b. New Albany, Ind., Aug. 11, 37; m. 63; c. 4. CLINICAL PSYCHOLOGY. A.B., Bellarmine Coll., 59; M.A., Indiana, 62; Ph.D. (psychol.), Catholic Univ., 63. ASST. PROF. PSYCHIAT., SCH. MED., MDLNA, 68- Univ. fel. child psychol. sch. med., Indiana, 66-68; inst. psychol., 68- Univ. fel. child psychol. sch. med., Indiana, 66-68; Psychol. Asn.; Orthopsychiat. Asn. Group processes; family and individual psychotherapy. Address: Dept. of Psychiatry, School of Medicine, Indiana University, Indianapolis, Ind. 46207.
- BANKS, DR. FRANKLIN R.**, b. Sanford, Fla., Nov. 20, 34; m. 62; c. 2. SOCIOLOGY. B.A., Rollins Coll., 56; M.A., Ohio State, 59, voc. rehab. admin. fel., 63-64, Nat. Insts. Health fel., 64-66, Ph.D. (sociol.), 68. Res. assoc. Ohio Dept. Health, 59-63; instr. PREV. MED., OHIO STATE, 66-68. ASST. PROF., 68- Consult., Franklin County Child Health Study, 67-68. Sociol. Asn.; Soc. Study Soc. Prob. Social factors in the etiology and ecology of disease; social components in health behavior; social organization of health care. Address: Dept. of Preventive Medicine, Ohio State University College of Medicine, Columbus, Ohio 43210.
- BANKS, DR. MICHAEL EDWARD**, b. Wallace, Idaho, July 13, 38; m. 62; c. 1. PSYCHOLOGY, SPECIAL EDUCATION. B.S., Okla. State, 62; M.S., New Mexico High Sch., 64; Ph.D. (educ. psychol.), Kansas, 68. Res. psychologist, Franklin Pierce Sch. Dist., Tacoma, Wash., 68-69; ASST. PROF. PSYCHOL. & SPEC. ED., EAST TEXAS STATE, 69- Teaching procedures; educational media; contingency management; human and animal learning; apparatus design. Publ: Co-auth., Paired-associate verbal learning by preschool children, Psychol. Reports, 66; auth., Technical note: a multichannel event recorder, J. Exp. Psychol., 67. Address: 67- Address: Dept. of Special Education, East Texas State University, Commerce, Tex. 75428.
- BANKS, DR. WALTER R.**, b. Paulsboro, N.J., June 18, 36; m. 69. SOCIOLOGY, ANTHROPOLOGY. B.A., Rutgers, 57; M.A., Mich. State, 59, Ph.D. (sociol. anthropol.), 63. Lansing Community Coll., 63-65; asst. prof. SOCIOLOGY & ANTHROPOLOGY, Oregon State, 63-65; Toledo, 65-70; ASSOC. PROF., FISK, 70- Sociol. Asn.; Soc. Sci. Study Relig. Collective behavior; sociology of religion. Publ: Black power and church power: two impossible revolutions, J. Sci. Study Relig., (in press). Address: Dept. of Sociology & Anthropology, Fisk University, Nashville, Tenn. 37203.
- BANKS, DR. WILLIAM PREAS**, b. May 6, 42; U.S. citizen; m. 69. EXPERIMENTAL PSYCHOLOGY. B.A., St. John's Col. (Md.), 64; U.S. Pub. Health Serv. traineeship, Hopkins, 64-67; M.A., 66, Nat. Inst. Ment. Health fel., 67-68, Ph.D. (psychol.), 68. U.S. Pub. Health Serv. scholar, exp. psychol., Inst. Human Learning, California, Berkeley, 68-69; ASST. PROF. PSYCHOL., POMONA COL., 63- Measurement and analysis of human learning processes in terms of signal detectability theory; psycholinguistic study of memory; psychophysical scaling of temperature sensitivity; subjective response scales in psychophysical scaling. Publ: Temperature sensitivity: one subjective continuum or two?, Perception & Psychophysics, 6: 189-192; Criterion change and response competition in unlearning, J. Exp. Psychol., 82: 216-223; Signal detection theory and human memory, Psychol. Bull., 67/70. Address: Dept. of Psychology, Pomona College, Claremont, Calif. 91711.
- BANUAZIZI, DR. ALI**, b. Tehran, Iran, May 22, 42; m. 67. PSYCHOLOGY. B.S., Michigan, 63; M.A., New Sch. Soc. Res., 65; Ph.D. (psychol.), Yale, 68. ASST. PROF. PSYCHOL., Conn. Coll., 68-69; SOUTHERN CALIFORNIA, 69-; ASST. CLIN. PROF. PSYCHIAT., YALE, 69- Psychol. Asn.; Soc. Psychol. Study Social Issues; Acad. Polit. & Soc. Sci. Community psychology; social change; personality; social structure. Address: Dept. of Psychology, University of Southern California, Los Angeles, Calif. 90007.
- BAR-ADON, PROF. AARON.** Hebrew & Semitic Linguistics & Literature. See 5th ed, Dir. Am. Scholars, Vol. III, For. Lang., Ling. & Philol.
- BARANOFF, DR. SEYMOUR**, b. Brooklyn, N.Y., June 30, 21; m. 43; c. 2. MARKETING. B.A., Brooklyn Coll., 42; M.S., N.Y. Univ., 48, Ph.D. (bus.), 55. Head overstock div., Decca Records, Inc., 46-48; instr. mkt., Vermont, 48-50; mgr. phonographs & accessories div., Decca Records, Inc., 50-53; PROF. MKT., PACE COLL., 55- Mkt. Res. & consulting, Sperry & Hutchinson, Chicopee Mills, Mkt. Sci. Inst., Exec. Res. Conf., N.Y. Cent. R.R. City of Poughkeepsie, and others, 48- U.S.A.A.F., 43-46, 1st Lt. Mkt. Asn. Derivation of theory in marketing and in retailing; history of science in marketing. Publ: Marketing, In: Encyclopedia of management, Reinhold, 63; Retailing as an operating system, In: Theory in marketing, Irwin, 64; co-auth., Selecting channels of distribution for services, In: Handbook of modern marketing, McGraw, 70. Address: Dept. of Marketing, Pace College, 41 Park Row, New York, N.Y. 10038.
- BARATZ, PROF. MORTON S(ACHS).** Economics. See A-K Vol. 11th ed, Soc. & Behav. Vols. New position & address: Prof. & chmn., 69-, Dept. of Economics, Boston University, Boston, Mass. 02215.
- BARATZ, PROF. RUBIN Z.** Economics, Industrial Engineering. See A-K Vol. 11th ed, Soc. & Behav. Vols. New position: Consult., UN, 69- Address: 4601 Henry Hudson Pkwy., New York, N.Y. 10471.
- BARBER, PROF. HOLLY W(WILLIAM).** Political Science. See A-K Vol. 11th ed, Soc. & Behav. Vols. New information: No longer head, Dept. of Political Science, University of Illinois at Chicago Circle, Chicago, Ill. 60680.

- BARBER, COMDR. JAMES ALDEN, JR.** U.S.N. b. Poplar Bluff, Mo, May 6, 34; m. 55; c. 3. **POLITICAL SCIENCE, INTERNATIONAL POLITICS.** B.A. Southern California, 55; M.A. Vanderbilt, 60; M.A. Stanford, 64, Ph.D. (polit. sci.), 65. U.S. NAVY, 55-60, asst. prof. naval sci. Vanderbilt, 58-60, ops. officer, U.S.S. Lowry, 60-62, exec. officer, U.S.S. Tucker, 65-66, commanding officer, U.S.S. Hissom, 66-68, PLANS OFFICER & INSTR. NAVAL STRATEGY, NAVAL WAR COL, 68. Polit. Sci. Assn. Strategic studies; naval strategy; arms control. Publ: Social mobility and voting behavior, Rand McNally, 70; Britain and France: the officer corps and civil-military relations, 12/69 & The objectives of arms control, 2/70, Naval War Col. Rev. Address: Naval War College, Newport, R.I. 02840.
- BARBER, DR. LLOYD I.** Business Administration. See A-K Vol, 11th ed, Soc. & Behav. Vols. New position: V-pres, 68-, University of Saskatchewan, Saskatoon, Sask, Can.
- BARCLAY, DR. ANDREW M.** b. New York, N.Y. July 5, 41; m. 64; c. 2. **SOCIAL PSYCHOLOGY.** A.B. Yale, 63; M.A. Columbia, 64; Ph.D. (social psychol), Minnesota, 67. Res. asst. Minnesota, 65-67; ASST. PROF. PSYCHOL, MICH. STATE, 67. Soc. Psychol. Study Social Issues; Soc. Proj. Tech. & Personality Assessment; Psychol. Asn. Physiological and psychological components of human sexual and aggressive motivation; assessment of human motives. Publ: Co-ed, Sexuality: a search for perspective, Van Nostrand-Reinhold, 70; The effect of hostility on physiological and fantasy responses, J. Personality, 12, 69; The effect of female aggressiveness on aggressive and sexual fantasies, J. Projective Tech, 2/70. Address: Dept. of Psychology, College of Human Medicine, Michigan State University, East Lansing, Mich. 48823.
- BARCLAY, PROF. JAMES RALPH.** Educational & Counseling Psychology. See A-K Vol, 11th ed, Soc. & Behav. Vols. New position & address: Prof. ed. psychol. & counseling & chmn. dept, 69-, University of Kentucky, Dickey Hall, Lexington, Ky. 40506.
- BARCUS, DR. FRANCIS EARLE.** b. Rossville, Ill. Feb. 1, 27; m. 48; c. 3. **COMMUNICATIONS.** A.B. Illinois, 52; M.A. 55, Ph.D. (commun), 59. ASSOC. PROF. COMMUN. RES. BOSTON, 59- Consult. to various govt. religious & indust. orgn. 59-69. U.S.A. 45-48, S/Sgt. Asn. Pub. Opinion Res; Asn. Ed. in Journalism. Critical analysis of content and effects of mass communication in current society. Publ: Alumni administration, Am. Alumni Coun, 68; co-auth. Role distance in Negro and majority fiction, Journalism Quart, winter 66; auth. Parental influence on children's television viewing, TV Quart, summer 69. Address: Dept. of Communications Research, Boston University, 640 Commonwealth Ave, Boston, Mass. 02215.
- BARD, DR. ISAIAS S.** Communications, Group Dynamics. See 5th ed, Dir. Am. Scholars, Vol. II, Eng, Speech & Drama.
- BARDWICK, DR. JUDITH MARCIA.** b. New York, N.Y. Jan. 16, 33; m. 53; c. 3. **PSYCHOLOGY.** B.S. Purdue, 54; M.S. Cornell, 55; Ph.D. (psychol), Michigan, 64. Lectr. PSYCHOL, MICHIGAN, 65-67, ASST. PROF., 67-Ford Found. pos. res. grant, 67-69. Psychol. Asn.; Psychosom. Soc. Psychology of women; psychosomatics in women; psychodynamics. Publ: Psychology of women, Harper, 70, co-auth. Feminine personality and conflict, Brooks/Cole, 70. Address: Dept. of Psychology, University of Michigan, 229 Thompson, Ann Arbor, Mich. 48104.
- BARG, DR. BENJAMIN.** Economics. See A-K Vol, 11th ed, Soc. & Behav. Vols. Change of address: 16 Huguenot Dr, Larchmont, N.Y. 10538.
- BARKMAN, PROF. FRANCIS ELWOOD.** Law. See 5th ed, Dir. Am. Scholars, Vol. IV, Philos, Relig. & Law.
- BARLEY, DR. DELBERT.** Sociology. See A-K Vol, 11th ed, Soc. & Behav. Vols. Change of address: Evangelisches Seminar für Wohlfahrtspflege und Gemeindedienst, 78 Freiburg, Goethestr 2, Germany.
- BARLOW, DR. DAVID HARRISON.** b. Needham, Mass. Apr. 30, 42; m. 66. **PSYCHOLOGY.** A.B. Notre Dame, 64; M.A. Boston Col, 66; Ph.D. (exp. psychol), Vermont, 69. Dir. clin. training, dept. rehab. & phys. med, Vermont, 68-69; ASST. PROF. PSYCHIAT. & DIR. PSYCHOL. TRAINING PROG. MED. CENTER, MISSISSIPPI, 69. Consult. VI. Div. Spec. Ed, 67-68; Vet. Admin. Hosp, Jackson, 69- AAAS; Psychol. Asn.; Asn. Adv. Behav. Ther. Experimental analysis of behavior therapy techniques as applied to neurotic disorders and sexual deviation. Publ: Co-auth. The transfer gap in systematic desensitization: an analogue study, J. 191-197; An experimental analysis of the effectiveness of shaping in reducing maladaptive avoidance behavior: an analogue study, (in press), Behav. Res. & Ther; Social reinforcement in the modification of agoraphobia, Arch. Gen. Psychiat, 19: 423-437. Address: Dept. of Psychiatry, University of Mississippi Medical Center, Jackson, Miss. 39216.
- BARLOW, DR. ROBERT FRANCIS.** Economics. See A-K Vol, 11th ed, Soc. & Behav. Vols. New position: Prof. econ. & admin, 70-, Whittemore School of Business & Economics, University of New Hampshire, Durham, N.H. 03824.
- BARNARD, BILLINGS.** Economics. See A-K Vol, 11th ed, Soc. & Behav. Vols. New position: Sr. editor, economist, Fed. Reserve Bank Dallas, 69- Address: 6618 Golf Hill Dr, Dallas, Tex. 75232.
- BARNARD, DR. JAMES WILLIAM.** Psychology. See A-K Vol, 11th ed, Soc. & Behav. Vols. New position & address: Acting dir. 69-, Institute III: Exceptional Children & Adults, University of South Florida, Tampa, Fla. 33620.
- BARNES, DR. CHARLES ADAMS.** Clinical Psychology. See A-K Vol, 11th ed, Soc. & Behav. Vols. New position & address: Staff Psychologist, 89-, Fairview State Hospital, Costa Mesa, Calif. 92626.
- BARNES, DR. MELVIN WALLACE.** Educational Psychology. See A-K Vol, 11th ed, Soc. & Behav. Vols. New position: V-pres, Scholastic Mag. Inc., 69- Address: 9 Hathaway Rd, Bronxville, N.Y. 10708.
- BARNES, DR. SAMUEL H(ENRY).** Political Science. See A-K Vol, 11th ed, Soc. & Behav. Vols. Change of address: 2929 Parkridge Dr, Ann Arbor, Mich. 48103.
- BARNETT, PROF. A. DOAK.** Political Science. See A-K Vol, 11th ed, Soc. & Behav. Vols. New position & address: Sr. fel, 69-, Brookings Institution, 1775 Massachusetts Ave. N.W., Washington, D.C. 20036.
- BARNETT, DR. DAS KELLEY.** Philosophy, Theology. See 5th ed, Dir. Am. Scholars, Vol. IV, Philos, Relig. & Law.
- BARNETT, DR. GORDON JAMES.** Psychology, Psychoanalysis. See A-K Vol, 11th ed, Soc. & Behav. Vols. New information: Clin. prof. psychol, Adelphi, 69- Address: 69 Washington Ave, Garden City, N.Y. 11530.
- BARNETT, PROF. IRVING.** Economics, International Relations. See A-K Vol, 11th ed, Soc. & Behav. Vols. Change of address: Dept. of Asian Studies, State University of New York at New Paltz, New Paltz, N.Y. 12561.
- BARNETT, DR. MALCOLM JOEL.** Political Science. See A-K Vol, 11th ed, Soc. & Behav. Vols. New position: Asst. prof. polit. sci., Wisconsin-Milwaukee, 69- New publ: Politics of legislation, Weidenfeld, London, 69. Address: Dept. of Political Science, University of Wisconsin-Milwaukee, Milwaukee, Wis. 53201.
- BARNHART, DR. DONALD STANFORD.** Economics, History. See A-K Vol, 11th ed, Soc. & Behav. Vols. New information: Also chmn, 69-, Dept. of Social Science, San Francisco State College, 1600 Holloway Ave, San Francisco, Calif. 94132.
- BARON, DR. ROBERT ALAN.** b. Brooklyn, N.Y. June 7, 43; m. 65; c. 1. **PSYCHOLOGY.** B.S. Brooklyn Col, 64; City Univ. New York, 64-65; M.A. Iowa, 67, Ph.D. (psychol), 68. ASST. PROF. PSYCHOL, SOUTH CAROLINA, 68- Psychol. Asn. Imitation; aggression; vicarious emotional arousal. Publ: Co-auth. Human social behavior: a contemporary view, Dorsey, 70; auth. Attraction toward the model and model's competence as determinants of adult imitative behavior, 70 & co-auth. Model's behavior and attraction toward the model as determinants of adult aggressive behavior, 70, J. Personality & Soc. Psychol. Address: Dept. of Psychology, University of South Carolina, Columbia, S.C. 29208.
- BARONDES, PROF. SAMUEL HERBERT.** Psychiatry, Molecular Biology. See A-K Vol, 11th ed, Soc. & Behav. Vols. New position & address: Prof. psychiat. & dir. res. develop. in psychiat, California, San Diego, 70- Address: University of California at San Diego Medical School, La Jolla, Calif. 92037.
- BARRAL, PROF. MARY ROSE.** Philosophy. See 5th ed, Dir. Am. Scholars, Vol. IV, Philos, Relig. & Law.
- BARRETT, DR. JOHN WILLIAM.** History, Social Science. See Suppl. I to 5th ed, Dir. Am. Scholars.
- BARRETT, DR. NANCY S.** b. Baltimore, Md. Sept. 12, 42; m. 66; c. 1. **ECONOMICS.** B.A. Goucher Col, 63; M.A. Harvard, 65, Ph.D. (econ), 68. Instr. ECON, AMERICAN UNIV, 66-67, ASST. PROF., 67- Econ. Asn. Economic theory; mathematical economics; econometrics. Publ: A problem in deducing welfare changes from index numbers of real income, J. Polit. Econ, 5/69. Address: Dept. of Economics, American University, Washington, D.C. 20016.
- BARRETT-LENNARD, PROF. G(ODFREY) T.** b. Northam, Australia, Apr. 6, 26; m. 48; c. 5. **PSYCHOLOGY.** B.Sc. Western Australia, 47, B.A. 50; Ph.D. (psychol), Chicago, 59. Asst. prof. psychol, Auburn, 59-61; lectr. Univ. New England, Australia, 61-63; sr. lectr. 64-65; vis. assoc. prof. rehab. inst. Southern Illinois, 65-66; PROF. PSYCHOL, WATERLOO, 66-, acting chmn. dept. 67-68. Nat. Inst. Ment. Health res. grant, 60; faculty res. awards, Univ. New England, Australia, 62-65; summer faculty res. fel. Waterloo, 67. Part-time & consult. work. Student Counseling Serv. Waterloo, 66-; psychol. consult. Hamilton Psychiat. Hosp, Ont, 68- Am. Psychol. Asn. Am. Acad. Psychother. Brit. Psychol. Soc; Int. Asn. Appl. Psychol. Psychotherapy; small-group processes; person perception and facilitative interpersonal processes; dynamics of human communication. Publ: Dimensions of therapist response as causal factors in therapeutic change, Psychol. Monogr, Vol. 76, No. 43; Professional psychology and the control of human behavior, Austral. J. Psychol, 17: 24-34; Experiential learning in small groups: the basic encounter process, Proc. Can. Asn. Univ. Student Personnel Serv, 11/67. Address: Dept. of Psychology, University of Waterloo, Waterloo, Ont, Can.
- BARRIER, PROF. MARGARET ANN.** b. High Point, N.C. Aug. 9, 29. **SOCIOLOGY.** B.A. Mary Baldwin Col, 50; M.A. North Carolina, Chapel Hill, 52; Columbia, 55-56. Instr. SOCIOL, Salem Col, 52-55; asst. prof. WEST. COL, 55-59, ASSOC. PROF. & CHMN. DEPT, 59- Vis. scholar, California, Berkeley, 64-65. Sociol. Asn. Sociological theory; history of social thought; population problems; cultural anthropology. Address: 8 Oakhill Dr, Oxford, Ohio 45056.
- BARROIS, DR. AUGUSTA V.** Medieval & Renaissance History. See 5th ed, Dir. Am. Scholars, Vol. I, Hist.
- BARRON, DR. FRANK XAVIER.** Psychology. See A-K Vol, 11th ed, Soc. & Behav. Vols. New position: Prof. psychol, California, Santa Cruz, 69- Address: 206 Florence Ave, Aptos, Calif. 95003.
- BARROW, DR. ROBERT V(AN).** Political Science. See A-K Vol, 11th ed, Soc. & Behav. Vols. New information: Also dir. criminal justice admin. prog, South Alabama, 69- Address: 5522 Nassau Dr, Mobile, Ala. 36608.
- BARRUS, DR. GEORGE S.** b. Long Beach, Calif. Feb. 26, 25; m. 48; c. 8. **MASS COMMUNICATION.** B.S. Utah, 50; M.A. Brigham Young, 64; Ph.D. (mass commun), Iowa, 70. Copywriter & prod, Gilham Advert. Agency, Salt

- Lake City, Utah, 54-57; admin. asst. to pres. Col. South. Utah, 57-67; AS-SOC. PROF. COMMUN. BRIGHAM YOUNG, 67- U.S.N. 43-46, Lt.(jg). Ad-vertising copywriting—broadcast and print; community journalism. Publ: Survey of U.S. press associations lists services of varying complexities, Iowa Publisher 11/65 & Mo. Press News, 2/66; Utah's busiest weekly and central plant operation, Publisher's Auxiliary, 2/67. Address: Dept. of Communications, Brigham Young University, Provo, Utah 84601.
- BARRY, PROF. DONALD DELYLE**, b. Cleveland, Ohio, Apr. 12, 34; m. 61. PO-LITICAL SCIENCE. B.A., Ohio, 56; M.A., Syracuse, 59, Ph.D. (pol. sci.), 63. Asst. prof. POLIT. SCI., LEHIGH, 63-66; assoc. prof., 66-70. PROF. 70- Res. fel., Russian Res. Center, Harvard Univ., 67-68; Inter-Univ. Cmt. on Travel Grants res. grant for study in Moscow, 68; summer, Fulbright travel grant, 69. Polit. Sci. Assn. Comparative politics; Soviet law and politics; American administrative law. Publ: Ed. & contrib. Governmental tort liability in eastern Europe, Leiden, Netherlands, 70; co-auth. The Soviet legal profession, Harvard Law Rev. 11/68; auth. Law and social science: recent developments, Int. Social thought in the Soviet Union, Quadrangle, 69. Address: Dept. of Government, Lehigh University, Bethlehem, Pa. 18017.
- BARRY, DR. JOHN J.**, JR., b. South Boston, Mass., Mar. 8, 25; m. 46; c. 3. PHYSIOLOGICAL PSYCHOLOGY. A.B., Dartmouth Col., 46; A.M., Boston, 49, Ph.D. (physiol. psychol.), 58. Res. psychologist, Boston Vet. Admin. Hosp., Mass., 56-57; chief neurol. res. lab., 57-63; sr. scientist, defense & space center, Westinghouse Elec. Corp., Md., 63-67; fel. scientist, adv. studies group, Mass., 67-69; ASSOC. PROF. PSYCHOL., EMMANUEL COL. (MASS), 69- Lectr., Boston, 58-63, instr. sch. med., 58-62; lectr., Emmanuel Col. (Mass.), 58-63; Northeastern, 61-62. Consult. health serv. group, Pa. & sys. studies group, Va., Westinghouse Elec. Corp., 69-70. U.S.M.C., 42-46. A.A.S. Anatomic and physiologic correlates of behavior; sensory mechanisms, particularly audition; human engineering and life sciences related to equipment and weapon systems. Publ: Human engineering: design of subnuclear drill system, Vols. I & II, Westinghouse Elec. Corp., 64-65; co-auth. Effects of stimulus intensity on escape responding, Psychol. Reports, 57 & A high power noise amplifier, Exp. Anal. Behav., 61. Address: 37 High St., Stoneham, Mass. 02180.
- BARRY, DR. WILLIAM A.** Clinical Psychology, Pastoral Theology. See Suppl. 1 to 5th ed., Dir. Am. Scholars.
- BARSBY, DR. STEVE LOREN**, b. Trent, Ore., Aug. 13, 40; m. 61; c. 2. ECO-NOMICS. B.S., Oregon, 62, M.S., 67, Ph.D. (econ), 68. ASST. PROF. ECON., ARIZONA, 67- Econ. Assn.; Indust. Rels. Res. Assn.; Econ. Hist. Assn.; Asn. Evolutionary Econ. Economic history; manpower policy; human resources; theory of the firm. Publ: Co-auth. Arizona and retirement migration, Ariz. Rev., 11/68; auth. The economic backwardness and the characteristics of development, J. Econ. Hist., 9/69. Address: Dept. of Economics, University of Arizona, Tucson, Ariz. 85721.
- BARSS, DR. LAWRENCE W (HITCOMB)**. Economic Development & History. See A-K Vol. 11th ed., Soc. & Behav. Vols. Change of address: Barss, Reitzel & Associates, Inc., 133 Mt. Auburn St., Cambridge, Mass. 02138.
- BARTLELL, DR. ERNEST J (OSEPH)**. Economics. See A-K Vol. 11th ed., Soc. & Behav. Vols. New information: Also dir., 69-, Center for the Study of Man in Contemporary Society, University of Notre Dame, Notre Dame, Ind. 46556.
- BARTLELL, DR. HARRY ROBERT**, Jr. Economics, Business Administration. See A-K Vol. 11th ed., Soc. & Behav. Vols. New position & address: Prof. finance & bus. econ., 69-, Graduate School of Business Administration, Washington University, St. Louis, Mo. 63130.
- BARTELS, PROF. ROBERT**. Marketing. See A-K Vol. 11th ed., Soc. & Behav. Vols. New position: Prof. mkt. College of Administrative Science, Ohio State University, 1775 S. College Rd., Columbus, Ohio 43210.
- BARTER, DR. JAMES T.** Psychology. See A-K Vol. 11th ed., Soc. & Behav. Vols. New information: Dep. dir. Ment. Health Serv. Sacramento Co., 69-; asst. clin. prof. psychiat. sch. med., California, Davis. Address: 630 Laurel Dr., Sacramento, Calif. 95825.
- BARTHOLOMAY, DR. ANTHONY (FRANCIS)**. Mathematical Biology. See 11th ed., Phys. & Biol. Vols. & Suppl. IV & VI.
- BARTHOLOMEW, DR. WAYNE**, b. Chico, Calif., Sept. 18, 41; m. 67. ECO-NOMICS. B.S., Calif. State Polytech. Col., San Luis Obispo, 63; M.S., Cornell, 65, Ph.D. (agr. econ), 68. ASSOC. PROF. ECON. & DIR. ECON. & BUS. ADMIN., BENEDICT COL., 68- Econ. Assn.; Agr. Econ. Assn. Agricultural economic policy; macroeconomic policy and theory; poultry. Address: Dept. of Economics & Business Administration, Benedict College, Columbia, S.C. 29204.
- BARTLETT, DR. ALTON C (HARLES)**, b. Walton, N.Y., Mar. 3, 29; m. 57. MANAGEMENT SCIENCE. B.S., INDUSTRIAL RELATIONS, 59, Ph.D. (ind. rel.), Wisconsin, 64. Admin. asst. prod. control, Bell Aircraft Corp., 51-57; res. asst. indust. rels., Buffalo, 57-59, asst. prof., 62-63; res. asst. econ. Wisconsin, 59-62; asst. prof. indust. rels., State Univ. N.Y., Buffalo, 63-67; ASSOC. PROF. MGT. & CHMN. DEPT., SOUTH FLORIDA, 67- Exten. teaching specialist, Cornell, 62-67; mgt. change agent, Am. Precision Indust., N.Y., 65-67. Consult. Key Lox Corp., 66-67; Essex Recon Corp., 66- First Nat. Bank, Fla., 67- U.S.A., 46-47, Res. 47-52. Econ. Assn.; Indust. Rels. Res. Assn.; Acad. Mgt. Planned change in organizations: collective bargaining; communication; management development; resolution of conflict; motivation; group dynamics; business policy; personnel; delegation; labor-management relations; organization theory; trade union history. Publ: How rank and file leaders view union political action, Labor Law J., 8/68; Changing behavior as a means to increased efficiency, J. Appl. Behav. Sci., 7-9/67; Changing behavior through simulation, Training & Develop. J., 8/67. Address: Dept. of Management, University of South Florida, Tampa, Fla. 33620.
- BARTO, DR. JOSEPH A.**, b. Valentine, Nebr., Jan. 28, 22; m. 50; c. 2. EDUCA-TIONAL PSYCHOLOGY & MEASUREMENT. B.Sc., Chadron State Col., 49; M.Ed., Nebraska, Lincoln, 54, Ed.D. (ed. psychol.), 66. Teacher, high schs., S. Dak. & Nebr., 49-56; prin., high schs., Iowa & Nebr., 56-58; asst. prof. ed., Chadron State Col., 58-62; PSYCHOL., KANS. STATE TEACHERS COL., 64-66. ASSOC. PROF., 66- U.S.A.A.F., 42-45, Res. 47-53, Sgt. Secondary school mathematics and science curricula. Address: Dept. of Psychology, Kansas State Teachers College, Emporia, Kans. 66801.
- BARTON, PROF. RICHARD FLEMING**, b. Oshkosh, Wis., Sept. 29, 24; m. 52; c. 3. MANAGEMENT SCIENCE. B.S., Northwestern, 48; Ford Found. fel., California, Berkeley, 59-61, Ph.D. (bus. admin.), 61. Staff mem., Procter & Gamble, 48-50; claims dept., Travelers Ins. Co., 52-58; asst. prof. bus. orgn. & mgt., Nebraska, 61-64; asst. prof. bus. admin., Kansas, 64-67; faculty intern, Ernst & Ernst, 67; PROF. MGT., TEXAS TECH. COL., 67- DIR. PLANNING & ANAL., 68- Participant, Ford Found. Seminars, Univ. Kansas, 63; Ford Found. Workshop, Carnegie Inst. Tech., 64; Soc. Sci. Res. Coun. Prog. Sys-tems Develop. Corr. 65; Nat. Sci. Found. Inst., Univ. Colorado, 68. Instrnl. rep., Internat. Commun. Coun., 68-70. U.S.A.A.F., 43-45. Ops. Res. Soc. Am.; Inst. Mgt. Sci.; Econ. Assn.; Acad. Mgt.; Asn. Comput. Mach.; Asn. Instrnl. Res.; Asn. Higher Ed.; Soc. Col. & Univ. Planning. Oligopolistic markets; business games; academic planning; operations research in higher education; overall policies for universities; man-computer simulation; adminis-trative policy. Publ: A Primer on Simulation, Prentice-Hall, 70. A general-ized responsiveness (elasticity) function for simulations, Behav. Sci., 12: 337-343; A behavioral definition of oligopoly, Soc. Sci. Quart., 49: 69-77. Address: Office of Planning & Analysis, Texas Tech University, Lubbock, Tex. 79403.
- BARTOSHUK, DR. LINDA MAY**, b. Aberdeen, S. Dak., Nov. 27, 38. PHYSIO-LOGICAL PSYCHOLOGY. B.A., Carleton Col., 60; Nat. Sci. Found. fel., Brown, 60-63, M.Sc., 63, Nat. Insts. Health fel., 63-64, Ph.D. (psychol.), 65. Jr. investor, Nat. Sci. Found. grant & res. assoc. psychol., Brown, 64-66; res. psychologist, pioneering res. lab., U.S. Army Natick Labs, 66-70; ASST. FEL., PIERCE FOUND., LAOS, 70- Lectr., Brown, 66-68; affiliate asst. prof., Clark Univ., 66-69. Psychol. Assn.; N.Y. Acad. Sci. Psychophysical studies of the human taste system; electrophysiological and behavioral studies of the sense of taste in infrahuman mammals. Publ: Water taste in man, Per-ception & Psychophys., 3: 69-72; Taste, in: Experimental psychology, Holt, 69; Effects of *Gynura sylvestris* and *Synsappium dulcificum* on taste in man, In: Vol. III, Olfaction and taste, Pergamon, 69. Address: John B. Pierce Foundation Labs, 290 Congress Ave., New Haven, Conn. 06519.
- BARUA, DR. TUSHAR KANTI**, b. Chittagong, E. Pakistan, Oct. 31, 35; m. 68. ETHNOLOGY, ARCHAEOLOGY. B.A., Dacca, 57, M.A., 58; Ph.D. (ethnol.), 64. Field officer, Dept. Archaeol., Pakistan, 61-64; Italian Govt. fel., Florence, 64-65; curator ethnol. Cent. Ethnol. Mus., Pakistan, 65-66; res. grant & collab. prehist. res., Florence, 66-67; lectr. ethnol. & lang., Hei-delberg, 67-68; ASST. PROF. ANTHROP., SAN JOSE STATE COL., 68- Mem., Cmt. Orgn. Chittagang Univ., 65-66. AAAS; fel. Am. Anthropol. Assn.; fel. Asi-atic Soc. Pakistan; South Asian archaeology and ethnology, especially study of ethnic group of Chittagang Hill tracts of East Pakistan and social and cul-tural change taking place among the group due to impact of technological change. Publ: Two bronze statues from group in Chittagang Hill, J. Asiatic Soc., Dacca, 60; Scope of Ethnological Museum in East Pakistan, J. Mus. Assn. Pakistan, 63. Address: 19412 De Havilland Drive, Saratoga, Calif. 95070.
- BASCH, DR. ANTONIN**. Economics. See A-K Vol. 11th ed., Soc. & Behav. Vols. Change of address: 4545 Connecticut Ave. N.W., Washington, D.C. 20008.
- BASH, DR. HARRY H.**, b. Berlin, Germany, Jan. 25, 26; U.S. citizen; m. 58. SOCIOLOGY. A.B., Chicago, 51; M.A., Indiana, 58; Ph.D. (sociol.), Pennsylv-ania, 69. Instr. SOCIOL. Temple, 64-66; ASST. PROF. MISSOURI-ST. LOUIS, 66- U.S.A.F., 45-48, Sgt. Social Assn.; Soc. Study Social Probs. So-ciological theory and the sociology of knowledge, especially social stratifi-cation and minority group phenomena. Publ: Determinism and avoidability in socio-historical analysis, Ethics, 64. Address: Dept. of Sociology, Univer-sity of Missouri-St. Louis, St. Louis, Mo. 63211.
- BASHFUL, DR. EMMETT W (LFORT)**. Political Science. See A-K Vol. 11th ed., Soc. & Behav. Vols. New position: V-pres, 69-, Southern University in New Orleans, 6400 Press Dr., New Orleans, La. 70117.
- BASI, DR. RAGHBI SINGH**. Economic Development, Business Administra-tion. See A-K Vol. 11th ed., Soc. & Behav. Vols. Change of address: 1560 Chadwick Dr., Kent, Ohio 44240.
- BASILE, PROF. ROBERT M (ANLIUS)**. Geography. See A-K Vol. 11th ed., Soc. & Behav. Vols. New position & address: Prof., 69-, University of Toledo, W. Bancroft St., Toledo, Ohio 43606.
- BASIUK, PROF. VICTOR**. International Relations. See A-K Vol. 11th ed., Soc. & Behav. Vols. New information: Also res. assoc., 67-, Institute for the Study of Science in Human Affairs, Columbia University, New York, N.Y. 10027.
- BASS, PROF. BERNARD M (ORRIS)**. Psychology. See A-K Vol. 11th ed., Soc. & Behav. Vols. Change of address: Management Research Center, Univer-sity of Rochester, Rochester, N.Y. 14627.
- BASSETT, DR. HOWARD T (HOMAS)**, b. Pittsburgh, Pa., May 29, 24; m. 57; c. 1. CLINICAL PSYCHOLOGY. B.S., Pittsburgh, 51, M.S., 53, Ph.D. (clin. psychol.), 55. CHIEF PSYCHOLOGIST, Wis. State Reformatory, 55-62; WIS. DIV. OF CORRECTIONS, 62- Consult, Job Corps, 66-67; Wis. State Patrol & Wis. Motor Vehicle Dept., 67. U.S.N., 43-47. Psychol. Assn. Con- victed pedophiles; evaluation of group counseling in correctional institutions; audiovisual viewing habits of delinquents. Address: 1125 S. Whitney Way, Madison, Wis. 53711.

- BATCHELDER, DR. ROBERT C.** Christian & Social Ethics. See 5th ed, Dir. Am. Scholars, Vol. IV, Philos. Relig. & Law.
- BATCHELDER, DR. WILLIAM HOWARD**, b. Columbus, Miss, May 29, 40; m. 62; c. 2. **PSYCHOLOGY**, A.B. Indiana, 62; Ph.D. (psychol), Stanford, 66. **ASST. PROF. PSYCHOL.** Illinois, Urbana, 66-70; **CALIFORNIA**, IRVINE, 70- **Psychol. Asst.**; **Psychonomic Soc.** Mathematical learning theory; item interactions in learning and memory; scaling; theories of memory. **Publ.** Co-auth, Problems in mathematical learning theory, Wiley, 66; & Forgetting in short term recall: all-or-none or decremental?, *J. Exp. Psychol.*, 69; auth, An all-or-none model for learning on both the paired-associated and concept levels, *J. Math. Psychol.*, 70. **Address:** Dept. of Psychology, University of California School of Social Sciences, Irvine, Calif. 92664.
- BATEMAN, DR. JAMES FRED, JR.** Economics. See A-K Vol, 11th ed, Soc. & Behav. Vols. New position & address: Assoc. prof. econ, 69-, School of Business, Indiana University, Bloomington, Ind. 47401.
- BATEMAN, DR. MERRILL J (JOSEPH).** Economics. See A-K Vol, 11th ed, Soc. & Behav. Vols. New information: Also dir, 68-, Center for Business and Economic Research, 323 Jesse Knight Bldg, Brigham Young University, Provo, Utah 84601.
- BATES, DR. DONALD GEORGE.** History of Medicine. See Suppl. V to 11th ed, Phys. & Biol. Vols.
- BATES, DR. ROBERT HINRICHS**, b. Brooklyn, N.Y. Dec. 5, 42; m. 64; c. 1. **POLITICAL SCIENCE**, B.A. Haverford Coll, 64; Woodrow Wilson Nat. Mass. Inst. Tech, 64-65; Nat. Defense Ed. Act fel, 65-66; For. Area fel, 66-69; Ph.D. (polit. sci), 69. **ASST. PROF. POLIT. SCI.**, CALIF. INST. TECH, 69-Fe; **Center Inst. Studies**, Mass. Inst. Tech, summer 69. **Polit. Sci. Asn.**; **African Studies Asn.** Political development, particularly in Africa; approaches to the study of political behavior. **Publ.** Voluntary associations, social change, and Approaches to the study of political behavior. **Address:** A simulation of a conflict in Southern Africa, *Center Inst. Studies*, Mass. Inst. Tech, 69. **Address:** Division of the Humanities and Social Sciences, California Institute of Technology, Pasadena, Calif. 91109.
- BATES, DR. WILLIAM M (ARY).** Sociology. See A-K Vol, 11th ed, Soc. & Behav. Vols. New position & address: Chmn, 69-, Dept. of Sociology, Loyola University of Chicago, Chicago, Ill. 60611.
- BATTISTELLA, DR. ROGER MATTEI.** Public Health Administration. See A-K Vol, 11th ed, Soc. & Behav. Vols. New position: Assoc. prof, Sloan Inst. Hosp. Admin. & prog. coordinator, Cornell University. **Address:** Cornell University, 314 Malott Hall, Ithaca, N.Y. 14850.
- BATTLE, DR. ESTHER S (STEINHAUER)**, b. Toronto, Ont, May 26, 37; m. 56; c. 1. **CLINICAL PSYCHOLOGY**, A.B. Antioch Coll, 58; U.S. Pub. Health Serv. fel. M.A. Ohio State, 62; Ph.D. (clin. psychol), 64. **Clin. psychologist**, Vet. Admin. Center, Dayton, Ohio 61-63; res. asst. psychol. Fels. Res. Inst., Antioch Coll, 63-64; sch. psychologist, dept. child psychiat, St. George's Hosp. London, Eng. 64-65; **RES. ASSOC. PSYCHOL.**, FELS RES. INST., ANTIOCH COLL, 66-, **ASST. PROF. PSYCHOL.**, COL, 68- **Peace Corps** field assessment officer, 66-67. **Psychol. Asn.** Personality theory; child development; psychotherapy. **Publ.** Children's feelings of personal control as related to social class and ethnic group, *J. Personality*, 31: 482-490; Motivational determinants of academic competence, *J. Personality & Soc. Psychol.*, 4: 634-642; co-auth, The antecedents and adult correlates of academic and intellectual achievement effort, Vol. IV, In: *Minnesota Symposium on child psychology*, Univ. Minnesota, 70. **Address:** Fels Research Institute, Antioch College, Yellow Springs, Ohio 45387.
- BATY, DR. ROGER M.** b. Helena, Mont, Oct. 2, 37; m. 65; c. 3. **COMMUNICATIONS, ECONOMICS**, B.A. Montana State, 58, Woodrow Wilson fel. & Danforth fel, 58-60, Rhodes scholar, 58-61; Nat. Defense Ed. Act fel, Stanford, 67-69, Ph.D., Teacher pub. schs, Mont, 63-64; leader, Exp. Int. Living, France, summer 64, field dir. overseas study progs, 64-66; **DIR. INTERCULT. DIMENSION**, JOHNSTON COLL, REDLANDS, 69-, consult, 68-69. **Summer**, Instr., Montana State, 64, 65. **U.S.A.R.**, 63-69. **Training** of teachers for work with children of culturally different backgrounds and for cross-cultural service. **Publ.** The effect of cross-cultural training on selected attitudes of elementary school teacher volunteers: a field experiment, *Stanford Int. Develop. Ed. Center*, 70; *Las órdenes mendicantes y la a la cultura religiosa a principios del México colonial*, América Indígena, 68. **Address:** Intercultural Dimension, Johnston College, University of the Redlands, Redlands, Calif. 92373.
- BATZAR, DR. EUGENE M.** Audiology, Speech Pathology. See Suppl. V to 11th ed, Phys. & Biol. Vols.
- BAUER, PROF. EDWIN THEODORE**, b. West Chester, Iowa, Mar. 29, 07; m. 28; c. 2. **SOCIOLOGY, FAMILY RELATIONS**, A.B. Iowa Wesleyan Coll, 29; B.D., Garrett Theol. Sem, 33; M.A., Drake, 35; Ph.D. (sociol), Iowa, 49. **Prof. sociol.**, Iowa Wesleyan Coll, 47-49; **Morningside Coll**, 49-55, 56-62 & 63-64; **assoc. prof. sociol.**, Illinois Sch. Theol., 55-56; **PROF. SOCIOLOGY**, California Western, 62-63 & 64-66; **Lambuth Coll**, 68-69; **Park Coll**, 68-70; **BUENA VISTA COLL**, 70-, U.S.N., 37-45, **LA. Comdr.** **Sociol. Asn.** Nat. Coun. Family Relat. Asn. Marriage Coun. Marriage and the family; criminology; social problems. **Publ.** Basic conditions of effective living, summer 54 & A sociologist views marriage, winter 62-63, *Quart. Am. Interprnl. Inst. Address:* P.O. Box 6611, Storm Lake, Iowa 50588.
- BAUER, DR. ELLEN R (GEN)**, b. Chicago, Ill, Jan. 28, 41; m. 68. **PHYSIOLOGICAL PSYCH.**, B.A., Carleton Coll, 62; M.A., Iowa Wesleyan Coll, 64. **Ph.D.** (exp. psychol), 68. **ASST. PROF. PSYCHOL.**, COL. WILLIAM & MARY, 67-**AAAS**, N.Y. Acad. Sci.; **Psychol. Asn.** Food regulation; central control of intake and role of environmental stimuli in control of intake. **Address:** Dept. of Psychology, College of William & Mary, Williamsburg, Va. 23185.
- BAUER, DR. HERBERT J (JOSEPH).** Psychology. See A-K Vol, 11th ed, Soc. & Behav. Vols. New position: Sr. res. psychologist, 67-, Transportation Research Dept, General Motors Research Labs, Warren, Mich. 48090.
- BAUER, DR. J. H.** Physiological & Comparative Psychology. See Suppl. V to 11th ed, Phys. & Biol. Vols.
- BAUER, PROF. ROYAL D (ANIEL) M (MICHAEL).** Accounting. See A-K Vol, 11th ed, Soc. & Behav. Vols. Change of address: 3848 Duncan Place, Palo Alto, Calif. 94306.
- BAUM, DR. BERNARD (HELMUT).** Sociology. See A-K Vol, 11th ed, Soc. & Behav. Vols. New position: Prof, 69-, College of Business Administration, University of Illinois at Chicago Circle, Box 4348, Chicago, Ill. 60680.
- BAUM, DR. EMANUEL LESTER.** Agricultural Economics. See A-K Vol, 11th ed, Soc. & Behav. Vols. New information: V-pres, Acad. Sci. Ind., 69-, v-pres, Acres Am. Inc., N.Y., 69- **Address:** 99 Ravensbourne Crescent, Islington, Ont, Can.
- BAUM, DR. O (SCAR) EUGENE.** Psychoanalysis, Psychiatry. See A-K Vol, 11th ed, Soc. & Behav. Vols. Change of address: 106 Parkway House, 2201 Pennsylvania Ave, Philadelphia, Pa. 19130.
- BAUM, DR. WARREN (CHARLES).** Economics. See A-K Vol, 11th ed, Soc. & Behav. Vols. New position: Assoc. dir. proj. dept. Int. Bank Reconstruct. & Develop, 69- **Address:** 7011 Arandale Rd, Bethesda, Md. 20014.
- BAUMBACH, PROF. BERNARD C (LARE).** Sociology, Economics. See A-K Vol, 11th ed, Soc. & Behav. Vols. Change of address: 628 E. Elm St, Seguin, Tex. 78155.
- BAUMBACK, PROF. CLIFFORD MASON**, b. Dover, N.J., Jan. 10, 15; m. 45; c. 3. **INDUSTRIAL MANAGEMENT**, B.S. Springfield Coll, 38; M.B.A. Northwestern, 45; Ph.D. (bus. econ), Iowa, 53. **Asst. prof. bus. mgt.**, Oklahoma, 45-51, **assoc. prof.**, 51-55; **res. assoc. bus. econ**, IOWA, 55-62, **res. assoc. prof.**, 62-63, **assoc. prof.**, MGT, 63-68, **PROF.**, 68- **Summers**, vis. asst. prof, Miami (Ohio), 48 & 49, vis. prof, Roosevelt, 69, Northern Illinois, 70-71. **Nat. merit awards**, Am. Prod. & Inventory Control Soc., 51 & 65. **Nat. Coun. Small Bus. Mgt. Develop.** fed. J. Small Bus. Mgt. 62-68; **Acad. Mgt. Management systems**; small business growth and survival; wage and salary administration. **Publ.** Co-auth, How to organize and operate a small business, Prentice-Hall, 4th ed, 68; **contrib.** Encyclopedia of management, Reinhold, 63 & Production and inventory control handbook, McGraw-Hill & Am. Prod. & Inventory Control Soc., 70. **Address:** Dept. of Business Administration, University of Iowa, Iowa City, Iowa 52240.
- BAUMGARTEL, PROF. HOWARD J.** Social Psychology. See A-K Vol, 11th ed, Soc. & Behav. Vols. New information: Also acting chmn. dept. psychol, Kansas, 69- **Address:** 1415 W. 21st Terr, Lawrence, Kans. 66044.
- BAUMGARTNER, DR. HELENE W (WALTER).** Economics. See A-K Vol, 11th ed, Soc. & Behav. Vols. Change of address: 109 West St, Oneonta, N.Y. 13820.
- BAUMHART, RAYMOND C, S.J.**, b. Chicago, Ill, Dec. 22, 23. **MANAGEMENT, BUSINESS ETHICS**, B.S. Northwestern, 45; B.A., Loyola (Ill), 50; M.B.A. Harvard, 53, D.B.A. 63. **Faculty mem.**, St. Xavier High Sch, Cincinnati, Ohio, 53-54; vis. lectr. sch. bus. admin, Boston Coll, 61-62; **faculty mem.**, sch. bus. admin, Loyola (Ill), 62-64, dean, 64-66; **res. assoc.**, Cambridge Center Soc. Studies, 66-68; **EXEC. V-PRES, LOYOLA (ILL)**, 66- **Consult**, Nat. Conf. Christian Employers & Mgrs, 63- **Cor. ed.** American Mag, 65- **Trustee**, St. Louis Univ, 67- **Mem. bd. dirs.**, Chicago Bus. Indust. Progs, 65-66. **U.S.N.**, 42-46, Lt. (jg). **Acad. Mgt. Research** on business ethics and social responsibilities of businessmen. **Publ.** An honest profit, Holt, 68; co-auth, Cases in business ethics, Appleton, 68. **Address:** Loyola University, 6525 N. Sheridan Rd, Chicago, Ill. 60626.
- BAUMRIN, DR. BERNARD HERBERT.** Philosophy. See 5th ed, Dir. Am. Scholars, Vol. IV, Philos. Relig. & Law.
- BAUR, PROF. E (DWARD) JACKSON.** Sociology. See A-K Vol, 11th ed, Soc. & Behav. Vols. New information: Also chmn, 69-, Dept. of Sociology, University of Kansas, Lawrence, Kans. 66044.
- BAWA, DR. UJAGAR S.** b. Gujranwala, W. Pakistan, Dec. 15, 27; m. 55; c. 3. **ECONOMICS, STATISTICS**, Dipl. Inst. Agr. Res. Statist, India, 52; M.A. Punjab, India, 53; A.M., Pennsylvania, 62; Ph.D. (int. develop, econ, statist), Cornell, 68. **Sr. res. officer**, Planning Cmn, India, 53-55; **res. assoc.** int. develop, Cornell, 68; **asst. prof. econ. & bus. admin**, Wilkes Coll, 68-69; **ASOC. PROF. LECTR. QUANT ECON**, HOWARD, 69- **Econ. Asn.** Inter-sectorial relationships between agriculture and industry through the use of quantitative methods. **Publ.** Co-auth, Economic analysis in input-output framework, *Golske Inst. India*, 67; auth, Relationship between agricultural production and industrial capital formation, *Cornell Univ*, 68. **Address:** Dept. of Economics, Howard University, Washington, D.C. 20001.
- BAXTER, PROF. WILLIAM F.** Law, Economics. See 5th ed, Dir. Am. Scholars, Vol. IV, Philos. Relig. & Law.
- BAYER, DR. ALAN E.** Sociology. See A-K Vol, 11th ed, Soc. & Behav. Vols. New position & address: Res. sociologist, 68-, Office of Research, American Council on Education, 1 Dupont Circle, Washington, D.C. 20036.
- BAYLESS, DR. DAVID LEE**, b. Alliance, Ohio, June 12, 38; m. 63; c. 3. **STATISTICS, MATHEMATICS**, A.B., Muskingum Coll, 60; M.S. Fla. State, 63; Ph.D. (statist), Texas A&M, 68. **Asst. Fla. State**, 61-63; **assoc. mem. staff**, Bell Tel. Labs, N.J. 63-64; **consult.** Gen. Food Tech. Center, N.Y., 64-65; **fel.**, Texas A&M, 65-68; **ADJ. ASST. PROF. STATIST.**, N.C. STATE, 68- **Statistician**, Res. Triangle Inst, N.C., 66-; **asst.** to dir. res. Nat. Assessment of Ed. Proj,

70. Statist. Asn. Industrial applications of statistics and computers specializing in sampling, regression model building, and developing large computer programs. Publ: Co-auth. An empirical study of the stabilities of estimators and variance estimators in P-P.S. sampling. J. Am. Stat. Asn, 64: 540-559. Address: Statistical Research Division, Research Triangle Institute, Research Triangle Park, N.C. 27709.
- BAYLEY, DR. DAVID H. b. New York, N.Y. Mar. 26, 33; m. 57; c. 2. POLITICAL SCIENCE. B.A., Denison, 55; M.A., Oxford, 57; Ph.D. (polit. sci.), Princeton, 61. Asst. prof. polit. sci., Wisconsin-Milwaukee, 60-61; INT. RELS., DENVER, 61-65; ASSOC. PROF., 65- Sr. res. fel., Am. Inst. Indian Studies, 63-64. Staff consult. Nat. Cmn. on Causes & Prev. of Violence, 68. Polit. Sci. Asn.; Asn. Asian Studies. Politics of developing areas; modern India; social unrest in modern India; the role of the police in developing nations and among American minority groups. Publ: Public liberties in the new states, Rand McNally, 64; co-auth., Minorities and the police, Free Press, 69; auth. The police and political development in India, Princeton Univ. 69. Address: Graduate School of International Studies, University of Denver, Denver, Colo. 80201.
- BEACH, PROF. DALE STUART, b. Buffalo, N.Y. Aug. 7, 23; m. 50; c. 2. ORGANIZATIONAL BEHAVIOR, INDUSTRIAL RELATIONS. B.S. Cornell, 48; M.S., 52. Indust. engr., Westinghouse Elec. Corp., 48-49; Trico Prod. Corp., 49-50; instr. indust. eng., Cornell, 50-52; asst. prof., Lehigh, 52-54; ORGN. BEHAV. INDUST. RELS. & PERSONNEL MGT., RENNSLAER POLYTECH., 54-63, assoc. prof., 63-68, PROF., 68- Consult., Air Prod. & Chem. Inc., 53; New York Tel. Co., 56-62; W. Va. Pub. & Paper Co., 63; Star Textile & E. Inc., 63-; N.Y. State Dept. Transportation, 68. Mem. labor arbit. tribunal, Am. Arbit. Assn.; mediation & fact-finding panel, Pub. Employ. Rel. Bd., N.Y.; co-chmn. cmt. org. terminology, Am. Nat. Standards Inst., 66-69. Spec. engr. detachment, Oak Ridge, Tenn., U.S.A., 43-46. Indust. Rel. Res. Asn.; Soc. Adv. Mgt. Personnel management; management of human resources; organization theory; general administration; management philosophy. Publ: Personnel: the management of people at work, 65, 2nd ed. & 70 & ed. & auth. Managing people at work: readings in personnel, 71, Macmillan. Address: School of Management, Rensselaer Polytechnic Institute, Troy, N.Y. 12181.
- BEADLES, PROF. WILLIAM (THOMAS). Economics. See A-K Vol, 11th ed. Soc. & Behav. Vols. New information: Chmn. bd. Behav. Sci. Tech. Inc., Co., 68-; sr. ed. consult., Am. Col. Life Underwriters, 68- Address: 112 E. Washington St., Bloomington, IL 61701.
- BEALS, DR. RALPH EVERETT, b. Lexington, Ky., Oct. 30, 36; m. 60; c. 2. ECONOMICS. B.S. Kent, 58; M.A., Northwestern, 59; Ph.D. (econ), Mass. Inst. Tech., 70. Asst. prof., ECON., Amherst Col., 62-63; Northwestern, 63-66; ASSOC. PROF., AMHERST COL., 66- Econ. Asn.; Economet. Soc.; Statist. Asn. Econometrics; decision making under uncertainty. Publ: Co-auth., Rationality and migration in Ghana, Rev. Econ. & Statist., 11/67 & Migrant labor and agricultural output in Ghana, Oxford Econ. Papers, 3/70. Address: Dept. of Economics, Amherst College, Amherst, Mass. 01002.
- BEAM, DR. JEROME C(HRISTOPHER). Psychology. See A-K Vol, 11th ed. Soc. & Behav. Vols. New information: Chmn. bd. Behav. Sci. Tech. Inc., 69- Address: Dairy Rd, Greenwich, Conn. 06830.
- BEAN, DR. LEE LAWRENCE. Sociology, Demography. See A-K Vol, 11th ed. Soc. & Behav. Vols. New position & address: Assoc. dir. demog. div., 69-, Population Council, 245 Park Ave., New York, N.Y. 10017.
- BEAN, MAURICE DARROW, b. Gary, Ind., Sept. 9, 28; m. 51; c. 2. POLITICAL SCIENCE, FOREIGN AFFAIRS. B.A., Howard, 50; M.A., Haverford Col., 54; Georgetown, 50-51; Hopkins, 59. Statist. clerk demog. U.S. Bur. Census, 50-51; for. affairs, U.S. Int. Cooper. Admin., 51-53, asst. prog. officer for assistance, 59-61; ops. officer for. affairs, U.S. Peace Corps, 61-62, regional prof. officer, 62-63, dep. regional dir., 63-64, country rep., 64-66; COUNTRY DIR. FOR. AFFAIRS, U.S. DEPT. STATE, 66- Southeast Asian studies; federal government administration. Address: 5261 Nebraska Ave. N.W., Washington, D.C. 20015.
- BEARD, PROF. BELLE BOONE. Sociology. See A-K Vol, 11th ed. Soc. & Behav. Vols. New position & address: Res. prof., 68-, Research Center, Lynchburg College, Lynchburg, Va. 24504.
- BEARDEN, GARY DEE. Plant Breeding, Statistics. See A-K Vol, 11th ed. Soc. & Behav. Vols. New position: Pres., Financial Services Corp., Wash, D.C. 69- Address: 2706 Bartlett Lane, Bowie, Md. 20715.
- BEARDEN, PROF. JAMES HUDSON. Marketing, Economics. See A-K Vol, 11th ed. Soc. & Behav. Vols. New position: Dean, 68-, School of Business, East Carolina University, Greenville, N.C. 27834.
- BEASLEY, DEAN KENNETH E(PHILMAN). Political Science, Public Administration. See A-K Vol, 11th ed. Soc. & Behav. Vols. 50; information: Also dean, 69-, Graduate School, University of Texas at El Paso, El Paso, Tex. 79969.
- BEATON, DR. (CHARLES) RUSSELL, b. Los Angeles, Calif., Aug. 15, 39; m. 61; c. 3. ECONOMICS. B.A., Willamette, 60; M.A., Claremont Grad. Sch. 67, Ph.D. (econ), 68. Legis. res. analyst, revenue & taxation cmt., Calif. State Senate, 63-64; ASST. PROF. quant. methods & econ. Calif. State Col. Fullerton, 64-67; ECON. & COMMERCE, SIMON FRASER UNIV., 67- Can. Coun. grant, 69-70. Nat. Guard, 56-63. Am. Econ. Asn.; Can. Econ. Asn. Location theory; public finance; econometrics; urban economics; use of econometric techniques in regional economics. Publ: Co-auth., Taxes on business income, Calif. State Senate, 3/65 & The effect of the property tax on manufacturing location, Calif. Div. Real Estate, Calif. State Col. Fullerton, 68. Address: Dept. of Economics, Simon Fraser University, Burnaby 2, B.C., Can.
- BEATON, DR. NORMAN JAMES, b. P.E.I., June 17, 39. AGRICULTURAL ECONOMICS, ECONOMICS. B.S., McGill, 62; M.S., N.Dak. State, 65; Inst. (econ), Kansas State, 68. ASST. PROF. AGR. ECON., MANITOBA, 68- Am.
- Agr. Econ. Asn.; Am. Econ. Asn.; Can. Agr. Econ. Soc. Marketing and agribusiness. Publ: Basic facts in estate planning, Man. Co-operator, 3/69 & Review of Manitoba to 1980: report of the Commission on Targets for Economic Development, Can. J. Agr. Econ., 7/69. Address: Dept. of Agricultural Economics, University of Manitoba, Winnipeg, 19, Man., Can.
- BEATTY, PROF. BILLIE CAMP, b. Memphis, Tenn., July 20, 21; m. 61; c. 6. CLINICAL & COUNSELING PSYCHOLOGY. B.S., Memphis State, 43; II. Neuropsychiat. Inst., 46; M.A., San Francisco State Col., 56; Ph.D. (counseling psychol.) California, Berkeley, 64. Res. chemist, Southwestern, 43-44; res. assoc. psychol., med. sch., Tennessee, 45-47, pediat. & child guid., 49-52; dir. clin. electroencephalog. lab., Gotten-Hawkes Clin., 52; instr. counseling & psychol., SAN FRANCISCO STATE COL., 58-60, asst. prof., 60-64, assoc. prof., COUNSELING, 64-69, PROF., 69- Intern. psychother. with Dr. Nicholas Cummings, 69; co-founder, Calif. Sch. Prinf. Psychol., 70. Consult., Bur. of Mental Affairs, U.S. Dept. Interior, 67; Calif. State Dept. Employ., 67-68. Asn. Supv. & Curriculum Develop.; Psychol. Asn. Pre-empt. tension; patient-therapist identifications; electroencephalography of the newborn and premature newborn; childhood acute nephritis; cerebral palsy; sickle cell anemia. Publ: Co-auth., Electroencephalography of the newborn V: brain potentials of babies born of mothers given meprobamide hydrochloride (demerol hydrochloride) vinarbital sodium (delvinal sodium) or morphine, Am. J. Disease Child, 6/50; Electroencephalography of the newborn infant: VI studies on premature infants, Pediatrics, 5/51; & Early detection of cerebral injury, J. Pediat., 5/52. Address: 209 Kensington Way, San Francisco, Calif. 94127.
- BEATTY, DR. JACKSON, b. Mt. Pleasant, Mich., Oct. 11, 42; m. 65. PSYCHOLOGY. B.A., Michigan, 64, Ph.D. (psychol.), 68. ASST. PROF. PSYCHOL., CALIFORNIA, LOS ANGELES, 68- AAAS. Brain functions and behavior. Publ: Co-auth., Pupil diameter and load on memory, 154: 1583-1595 & co-auth., Perceptual deficit during a mental task, 157: 218-219. Science; auth. Some further studies of grouping elements of a visual stimulus on the cortical evoked potential, Perception & Psychophysics, 6: 373-378. Address: Dept. of Psychology, University of California, 405 Hilgard Ave., Los Angeles, Calif. 90024.
- BEAUCHAMP, DR. KENNETH LLOYD, b. Madera, Calif., Apr. 15, 39; m. 61; c. 2. EXPERIMENTAL PSYCHOLOGY. A.B. Whitman, 60; B.S., Defense Ed. Act fel., Claremont Grad. Sch., 62, U.S. Pub. Health Serv. fel. & M.A., 65, Ph.D. (psychol.), 68. Summer res. consultant, Aeronautics Div., Philco-Ford, 64; instr. PSYCHOL., Calif. State Polytech. Col., Kellogg-Voorhis Campus, 65-66, asst. prof., 66-69; ASSOC. PROF., UNIV. OF THE PACIFIC, 69- AAAS. Curiosity behavior in rodents and children; effects of early experience on later emotional-curiosity behavior in rodents; development of cognitive abilities in young children. Publ: Co-ed., Current topics in experimental psychology, 70 & co-auth., Introduction to experimental psychology, 70, Holt; Stimulus change, previous experience, and extinction, J. Comp. & Physiol. Psychol., 68: 607-610. Address: Dept. of Psychology, University of the Pacific, Stockton, Calif. 95204.
- BEAUDRIE, JOHN COMSTOCK. Information Science, Systems Engineering. See Suppl. V to 11th ed. Phys. & Biol. Vols.
- BEAUMONT, RICHARD A(USTIN). Economics. See A-K Vol, 11th ed. Soc. & Behav. Vols. New position: Pres. Org. Resources Counsrs., Inc., 69- Address: P.O. Box 535, Sharon, Conn. 06089.
- BEBOUT, DR. JAMES E(DWARD). Clinical Psychology, Human Development. See A-K Vol, 11th ed. Soc. & Behav. Vols. New information: Dir. talent in interpersonal explor. prof., Nat. Inst. Ment. Health, 69- Address: 2728 Shasta Rd., Berkeley, Calif. 94708.
- BECHT, PROF. J. EDWIN. Marketing, International Business. See A-K Vol, 11th ed. Soc. & Behav. Vols. New position: Prof. geog., Oklahoma, 69- Address: 3938 Warwick Dr., Norman, Okla. 73069.
- BECHTEL, DR. LELAND PETERMAN, b. May 1, 25; U.S. citizen; m. 46; c. 5. PSYCHOLOGY. B.A., East Baptist Col., 46; B.D., East Baptist Theol. Sem., 48; M.A., Temple, 52; Ph.D. (psychol.), N.Y. Univ., 63. Instr. PSYCHOL., BATES COL., 57-63, asst. prof., 63-68, ASSOC. PROF., 68- Summers, Nat. Sci. Found. study grant, Inst. Sci. Psychol., 63, Coop. Res. Prog., Off. Ed., U.S. Dept. Health, Ed. & Welfare res. grant, 65, lectr., Univ. New Brunswick, 65. Psychol. consult., Head Start Prog., Androscoggin County Task Force on Soc. Welfare, Inc., 68- Chmn., New Eng. Regional Conf., Danforth Found., 67-68. Psychol. Asn. General-experimental, educational and social psychology. Publ: Test items to accompany readings for educational psychology, Harcourt, 66; co-auth., The effects of a work plan on the resumption of an interrupted task, Proc. 74th Annual Convention, Am. Psychol. Asn., 68. Address: Dept. of Psychology, Bates College, Lewiston, Maine 04240.
- BECHTEL, DR. ROBERT BERNARD, b. Pottstown, Pa., Oct. 19, 32; m. 68; c. 2. SOCIAL PSYCHOLOGY. B.A., Susquehanna, 62; U.S. Pub. Health Serv. trainee, Kansas, 62-65, M.A., 64, U.S. Pub. Health Serv. fel., 65-66, Ph.D. (psychol.), 67. Res. assoc. psychol., ENVIRONMENT. RES. FOUND., 64-68, ASSOC. DIR. RES., 68- SR. RES. ASSOC. PSYCHOL., GREATER KANSAS CITY MENTAL HEALTH FOUND., 68- Res. assoc. Inst. Community Studies, 66-68; lectr., exten. serv., UNIV. KANSAS, 67-; Nat. Inst. Ment. Health grant epidemiol. study Kansas City riots, 68-69. Psychol. Asn.; Soc. Psychol. Study Social Issues; Anthropol. Asn. Urban social research; architectural psychology; beliefs and attitudes, social change. Publ: Co-auth., East side, west side, and midwest, Nat. Inst. Ment. Health Epidemiol. Field Sta., Kansas City, 70 & Expectations of social acceptance and compatibility as related to status discrepancy and social motives, J. Personality & Soc. Psychol., 3, No. 3, 69; auth., Human movement and architecture, Transaction, 5/67. Address: Greater Kansas City Mental Health Foundation, 600 E. 22nd St., Kansas City, Mo. 64108.
- BECHTOL, DR. BRUCE EMERSON, b. Oroville, Calif., Aug. 30, 38; m. 59; c. 2. GEOGRAPHY. A.B., Chico State Col., 60; M.A., Oklahoma, 65; Inst. Int. Studies & Overseas Admin., Univ. Oregon fel., Guatemala, 66; Ph.D.

- (geog). Oregon, 69. Indust. surv. adv. U.S. Agency Int. Develop. Guatemala, 67-68; ASST. PROF. GEOG. CHICO STATE COL., 68. U.S.M.C. 80-64, Capt. Asst. Am. Geog. Latin Am. Studies Assn. Cultural geography, especially economic geography and field techniques; Latin America as a region. Publ: Notes on the sugar industry of Guatemala, Ore. Geographer, 67; Viruela: la enfermedad y el reto de España, Estudios, Univ. San Carlos, Guatemala, 68; A matter of perception: local considerations of industrialists in Guatemala, Calif. Geographer, 70. Address: Dept. of Geography, Chico State College, Chico, Calif. 95926.
- BECHTOLD, DR. PETER KLAUS.** Political Science. See A-K Vol, 11th ed, Soc. & Behav. Vols. New position & address: Asst. prof., 68, Dept. of Government & Politics, University of Maryland, College Park, Md. 20742.
- BECK, DR. ARMIN.** Urban Sociology, Educational Administration. See A-K Vol, 11th ed, Soc. & Behav. Vols. New position & address: Assoc. prof. ed. & dir. 69-, Community Labs, University of Illinois at Chicago Circle, Box 4348, Chicago, Ill. 60680.
- BECK, DR. BENJAMIN B.** b. Kingstown, N.Y., June 22, 39; m. 63. PSYCHOLOGY. B.S., Union Col. (N.Y.), 62; M.A., Boston, 63; Ph.D. (psychol.), Chicago, 67. Asst. prof. behav. sci., new dir., Nasson Col., 67-69; prof. psychol., Grand Valley State Col., 69-70; MEM. STAFF, CHICAGO ZOOLOG. PARK, 70. AAAS; Animal Behav. Soc. Field study of mammalian behavior and ecology, problem solving; perception. Publ: A study of problem solving by Gibbons, Behaviour, 67. Address: Chicago Zoological Park, Brookfield, Ill. 60513.
- BECK, DR. BRENDA E. F.** Anthropology. See A-K Vol, 11th ed, Soc. & Behav. Vols. New position & address: Asst. prof., 69-, Dept. of Anthropology & Sociology, University of British Columbia, Vancouver 8, B.C., Can.
- BECK, DR. ISABEL.** Psychology. See A-K Vol, 11th ed, Soc. & Behav. Vols. New information: Independent consult, 68-, consult. mem. Instr. Sys. Group, 68. Address: 855 Victor Ave., Apt. 321, Inglewood, Calif. 90302.
- BECK, DR. ROBERT L. (E).** Agricultural Economics. See A-K Vol, 11th ed, Soc. & Behav. Vols. New position & address: Assoc. prof. mkt., 69-, Dept. of Agricultural Economics, University of Kentucky, Lexington, Ky. 40506.
- BECKER, DR. ABRAHAM S. (AMUEL).** Economics. See A-K Vol, 11th ed, Soc. & Behav. Vols. Publ: Soviet national income 1958-1964, Univ. California, 69 (title change). Address: 1019 Selby Ave., Los Angeles, Calif. 90024.
- BECKER, DR. ALTON LEWIS.** Linguistics. See 5th ed, Dir. Am. Scholars, Vol. III, For. Lang. Ling. & Philol.
- BECKER, DR. MARSHALL HILFORD.** b. New York, N.Y., Jan. 18, 40; m. 59; c. 2. MEDICAL SOCIOLOGY. B.S., City Univ. New York, 62; M.P.H., Michigan, 64, Ph.D. (pub. health, social), 68. Res. assoc. pub. health, sch. pub. health, Michigan, 68-69; ASST. PROF. PEDIAT. & BEHAV. SCI., SCH. HYG. & PUB. HEALTH, HOPKINS, 69-. Proj. dir., U.S. Pub. Health grant, 69-. Social Asst. Pub. Health Assn. Diffusion of innovation, health attitudes and behavior; formal organizations: professionals in organizations; public health and medical care. Publ: Predictors of innovative behavior among local health officers, Pub. Health Reports, 12/69; Factors affecting diffusion of innovations among health professionals, Am. J. Pub. Health, 7/70; Sociometric location and innovativeness: reformulation and extension of the diffusion model, Am. Sociol. Rev. 4/70. Address: Dept. of Pediatrics, CMSC 1102, Johns Hopkins Hospital, Baltimore, Md. 21205.
- BECKER, DR. RUSSELL J. (JAMES).** Psychology, Theology. See A-K Vol, 11th ed, Soc. & Behav. Vols. New information: Minister, Glencoe Union Church, 69-. Address: 229 Park Ave., Glencoe, Ill. 60022.
- BECKER, DR. TAMAR.** b. Jassi, Romania, Dec. 1, 26; U.S. citizen; m. 50; c. 2. SOCIOLOGY. B.S., Columbia, 52, Ph.D., 53; Nat. Inst. Ment. Health fel., California, Los Angeles, 63-65, Ph.D., 66. Instr. sociol., California, Los Angeles, summer 65, lectr., 66-67, asst. res. sociologist, 67-68; ASST. PROF. SOCIOLOGY, SAN FERNANDO VALLEY STATE COL., 68-. Ford Foundation fel., California, Los Angeles, 67-68. Sociol. Asst. Cross-cultural encounter and analysis of attitudinal and perceptual changes among foreign students toward the United States and home country. Publ: Patterns of attitudinal changes among foreign students, Am. J. Sociol., 1/68. Address: 1019 Selby Ave., Los Angeles, Calif. 90024.
- BECKETT, DR. PETER G. S.** Psychiatry. See A-K Vol, 11th ed, Soc. & Behav. Vols. Change of address: St. Patrick's Hospital, James' St., Dublin, 8, Ireland.
- BECKETT, DR. RALPH L. SR.** b. Salt Lake City, Utah, June 6, 23; m. 46; c. 3. SPEECH PATHOLOGY. A.B., Southern California, 50, M.A., 53, Ph.D., 68. Instr. speech & Eng., Los Angeles Harbor Col., 57-60, asst. prof., 60-63, assoc. prof. commun., 63-68; ASST. PROF. SPEECH, Missouri-Columbia, 68-70; CALIF. STATE COL. FULLERTON, Asst. prof. res. fund grant, Missouri, 69. Sig. C. U.S.A.-F., 42-46. Speech & Hearing Assn.; Speech Assn. Am. Acoustic and aerodynamic analysis of normal and pathological human voices. Publ: Co-auth. Writing college English, Chandler, 63 & Speech dynamics, W.C. Brown, 67; auth. Pitch perturbation as a function of subjective vocal constriction, Folia Phoniatrica, 70. Address: Speech & Hearing Clinic, California State College at Fullerton, Fullerton, Calif. 92631.
- BECKFORD, DR. MARCELL LEONARD.** b. Jamaica, W.I., Dec. 10, 26; Can. citizen; m. 64; c. 2. AGRICULTURAL ECONOMICS & MARKETING. B.Sc., Pa. State, 58, M.Sc., 60; Ph.D. (agr. econ), Cornell, 64. Teacher, Calabar High Sch., 51-55; res. asst. agr. mkt., Manitoba, 60-61; res. assoc. freshwater fish mkt., Govt. Can., 64-65; res. resources analyst, Govt. Man., 65-68; statistician, Dominion Bur. Statist., Govt. Can., 68; ASST. PROF. AGR. MKT., GUELPH, 68-. Am. Agr. Econ. Assn.; Can. Agr. Econ. Soc. Price theory; marketing institutions; statistics. Publ: Co-auth. The physical and economic organization of the fisheries of the District of MacKenzie, Northwest Territories, Fisheries Res. Bd. Can., 57. Address: 44 Elginfield Dr., Guelph, Ont., Can.
- BECKHOUSE, DR. LAWRENCE S. (TANLEY).** b. Nov. 23, 42; U.S. citizen; m. 65; c. 1. SOCIOLOGY, SOCIAL PSYCHOLOGY. B.A., Knox Col. (Ill.), 65; M.A., Vanderbilt, 67, Ph.D. (sociol.), 69. ASST. PROF. SOCIOLOGY, WILLIAM & MARY, 68. Social Assn. Experimental analysis of role conflict resolution, especially behavioral tactics employed; inter-personal control and intrapersonal consistency in social behavior. Publ: Co-auth. Interpersonal strategies under conditions of gain or loss, J. Personality, 12/68 & Audience and personality factors in presentation of self, Sociol. Quart., autumn 69. Address: Dept. of Sociology, College of William and Mary, Williamsburg, Va. 23185.
- BECKMANN, PROF. MARTIN J. (JOSEF).** Economics. See A-K Vol, 11th ed, Soc. & Behav. Vols. New information: Prof. appl. math., 69-, Institute for Applied Mathematics, Technical University, Arcisstrasse 21, 8 München 2, West Germany.
- BEDAU, PROF. HUGO ADAM.** Philosophy. See 5th ed, Dir. Am. Scholars, Vol. IV, Philos. Relig. & Law.
- BEDDELL, DR. RALPH C.** Psychology. See L-Z Vol, 11th ed, Soc. & Behav. Vols. Change of address: 208 NROTC, University of Missouri-Columbia, Columbia, Mo. 65201.
- BEDNAR, DR. RICHARD L.** b. Las Vegas, Nev., July 11, 38; m. 60; c. 3. COUNSELING PSYCHOLOGY. B.S., Brigham Young, 61, M.S., 63; Ph.D. (counseling psychology), Minnesota, 68. Dist. psychologist, Ogden City Sch., Utah, 63-64; instr. & counsr., Minnesota, 64-65; mem. fac. faculty, Loyola (Ill.), 66-67; instr., Minnesota, 67-68; ASST. PROF. PSYCHOL., ARKANSAS, 68. Trainee psychol., Vet. Admin. Gen. Med. Hosp., Minneapolis, Minn. & Vet. Admin. Neuropsychiat. Hosp., Palo Alto, Calif., 66-67; Out-Patient Ment. Hyg. Clin., Vet. Admin. Hosp., St. Paul, Minn., 67-68; ar. res. scientist, Ark. Behav. Res. & Training Center, Univ. Arkansas, 68-. mem. fac. faculty, Utah State, summer 69. Psychol. Asst. Research methodology; individual and group psychotherapy, particularly identifying the therapeutic parameters that contribute to client improvement or deterioration. Publ: Co-auth. Client susceptibility to persuasion and counseling outcomes, J. Counseling Psychol., Vol. 16, No. 5 & Empirical research on group psychotherapy, In: Handbook of psychotherapy and behavior change, Wiley, 69; auth. Group psychotherapy research variables: a state of the union, Int. J. Group Psychother., (in press); plus others. Address: 1220 W. Ridgeway, Payetteville, Ark. 72701.
- BEDROSIAN, DR. HRACH.** Personnel & Industrial Psychology. See A-K Vol, 11th ed, Soc. & Behav. Vols. Change of address: 243 Johnson Ave., Hackensack, N.J. 07601.
- BEDWELL, PROF. THOMAS H. (OWARD).** Physics, Education. See Suppl. VI to 11th ed, Phys. & Biol. Vols.
- BEE, DR. HELEN LUCILLE.** Child Psychology. See A-K Vol, 11th ed, Soc. & Behav. Vols. New position: Assoc. prof., 69-, Dept. of Psychology, University of Washington, Seattle, Wash. 98105.
- BEENHAKKER, DR. HENRI LOUIS.** Management Science, Economics. See A-K Vol, 11th ed, Soc. & Behav. Vols. New position: Sr. economist, Stanford Research Institute, Menlo Park, Calif. 94025.
- BEER, DR. FRANCIS ANTHONY.** b. New York, N.Y., Feb. 5, 39; m. 65. POLITICAL SCIENCE. A.B., Harvard, 60; M.A., California, Berkeley, 63, Ph.D. (polit. sci.), 67; Fulbright fel., France, 65-66; NATO fel. Ohio State, 66-67. ASST. PROF. GOVT., TEXAS, AUSTIN, 67-. U.S.N.R., 60-62, Lt. Polit. Sci. Assn.; Int. Studies Assn. International relations; international organizations; Atlantic relations; North African politics. Publ: Integration and disintegration in NATO, Ohio State Univ., 69; ed. Alliances, Holt, 70. Address: Dept. of Government, University of Texas at Austin, Austin, Tex. 78712.
- BEER, DR. LAWRENCE W. (ARD).** Political Science. See A-K Vol, 11th ed, Soc. & Behav. Vols. New information: Assoc. prof. polit. sci., Colorado, 69-. Vis. res. scholar, Tokyo Univ., 69-70. Address: Dept. of Political Science, University of Colorado, Boulder, Colo. 80302.
- BEER, DR. MICHAEL.** b. Tel Aviv, Israel, Nov. 16, 35; U.S. citizen; m. 62; c. 2. PSYCHOLOGY. B.A., Queens Col. (N.Y.), 57; M.S., N.C. State, 59; D.Phil. (psychol.), Ohio State, 64. Res. psychologist, Wright Air Develop. Center, U.S. Air Force, 58-62; res. assoc. psychol., CORNING GLASS WORKS, 64-66, MGR. ORGN. RES. 66-. Lectr., mgt. of mgr. seminars, bur. Indust. rels., Michigan, 67-69. U.S.A.F. 58-62, 1st Lt. Psychol. Asst. Organizational theory and behavior; leadership; motivation; organization change and development; management development. Publ: Leadership, employee needs and motivation, Bur. Bus. Res., Ohio State Univ., 66; Organization size and job satisfaction, J. Acad. Mgt., 64; Needs and need satisfaction among clerical workers in complex and routine jobs, Personnel Psychol., summer 68. Address: Corning Glass Works, Houghton Park, Corning, N.Y. 14830.
- BEGGS, DR. DONALD L. (E).** b. Harrisburg, Ill., Sept. 16, 41; m. 63; c. 2. STATISTICS, EDUCATIONAL PSYCHOLOGY. B.S., Southern Illinois, 63, M.S. Ed., 64, Ph.D. (measurement, statist.), Iowa, 66. Teaching asst. statistician, Southern Illinois, 63-64; instr. ED. PSYCHOL., Iowa, 65-66; asst. prof., SOUTHERN ILLINOIS, 66-69, ASSOC. PROF. 69-. Res. grants, 67-69; participant, Ed. Eval. Inst., 69. Ed. Res. Assn.; Nat. Coun. Measurement in Prof. Psychol. Asst. Methodology of research using multiple regression techniques; procedures for evaluating research; teacher expectancy research; psychological measures of anxiety. Publ: Co-auth. Review of research in the behavioral sciences: multiple regression approach, Southern Illinois Univ., 69 & Readings in educational testing, Simon & Schuster, 69; Uniformity of growth in the basic skills throughout the school year and during the summer,

- J. Ed. Measurement, summer 68. Address: Dept. of Guidance and Educational Psychology, Southern Illinois University, Carbondale, Ill. 62901.
- BEGLEY, DR. CARL (EDWARD). Clinical Psychology. See A-K Vol, 11th ed, Soc. & Behav. Vols. Change of address: 1617 San Marco Blvd, Jacksonville, Fla. 32207.
- BEHRENS, PROF. HERMAN D(ANIEL). Psychology. See A-K Vol, 11th ed, Soc. & Behav. Vols. New information: Retired, 69. Address: 811 S. Johnson St, Ada, Okla 45810.
- BEIDELMAN, DR. THOMAS OWEN, b. Mar. 21, 31; U.S. citizen. SOCIAL ANTHROPOLOGY. A.B. Illinois, Urbana, 53, A.M. 56; California, Berkeley, 53; Michigan, 56; D.Phil.(soc. anthropol), Oxford, 61. Ford Found res. fel, 61-63; asst. prof. social anthropol, Harvard, 63-65; Nat. Sci. Found. res. fel, center adv. study, Stanford, 65-66; ASSOC. PROF. ANTHROPOLOGY, Duke, 66-68; N.Y. UNIV, 68- Lectr, Makerere Univ. Col, E.Africa, 68. U.S.A. 53-55. Brit. Ass. Soc. Anthropol; Royal Anthropol. Inst. Gt. Brit. & Ireland. Study of social structure; symbolism; myth and folklore; religion of non-Western societies; East African ethnography and history. Publ: Articles in Africa, Southwest, J. Man, Anthropol, Tanzania Notes & Records & others. Address: Dept. of Anthropology, New York University, New York, N.Y. 10003.
- BEIER, PROF. DELTON CLIFFORD. Clinical Psychology. See 11th ed, Soc. & Behav. Vols, deceased 69.
- BERNE, DR. HARRY MICHAEL, b. Orange, N.J. Feb. 22, 36; m. 65; c. 2. PSYCHOLOGICAL PEDIATRICS. B.E.E. Manhattan Col, 58; M.D. Cornell, 62. Intern, Genesee Hosp, N.Y. 62-63; res. pediat, Children's Hosp. Buffalo, 63-65; fel. psychol. pediat. & child develop. div. psychol. pediat, Hosp. Phila, 67-69; PEDIATRICIAN & PROJ. DIR. CHILD DEVELOP. PROG, CHILDREN'S HOSP. BUFFALO, 69. Med.C. U.S.A. 65-67. Acad. Pediat. Psychological aspects of pediatric practice including child development, the interaction of pediatric illness and child development and behavior; child rearing practices in infants and young children. Address: Children's Hospital of Buffalo, 219 Bryant St, Buffalo, N.Y. 14222.
- BEITTEL, DR. A(DAM) D(ANIEL). Sociology. See A-K Vol, 11th ed, Soc. & Behav. Vols. New information: Retired. Address: 206 Emerystone Terr, San Rafael, Calif. 94903.
- BEIZER, DR. BORIS. Computer & Information Science. See Suppl. V to 11th ed, Phys. & Biol. Vols.
- BEKKER, DR. KONRAD. Economics. See A-K Vol, 11th ed, Soc. & Behav. Vols. New position: Couns. econ. affairs, Am. Embassy, Bangkok, 68- Address: American Embassy, APO San Francisco 96346.
- BELAIEF, DR. LYNNE. Philosophy, Psychology. See 5th ed, Dir. Am. Scholars, Vol. IV, Philos. Relig. & Law.
- BELCASTRO, DR. FRANK PATRICK. Education, Psychology. See A-K Vol, 11th ed, Soc. & Behav. Vols. New position & address: Asst. prof., 69-, Dept. of Education, University of San Diego, Alcalá Park, San Diego, Calif. 92110.
- BELCHER, PROF. JOHN C(HESLOW). Sociology. See A-K Vol, 11th ed, Soc. & Behav. Vols. New information: Vis. prof. sociol, Puerto Rico, 69- Address: Dept. of Sociology, University of Georgia, Athens, Ga. 30601.
- BELDEN, DR. THOMAS GRAHAM. Operations Analysis, History. See A-K Vol, 11th ed, Soc. & Behav. Vols. New position: Chief historian, Off. Air Force Hist., 70- Address: 7224 Selkirk Dr, Bethesda, Md. 20034.
- BELGRAD, DR. ERIC A. b. Antwerp, Belgium, June 1, 35; U.S. citizen; m. 60; c.2. INTERNATIONAL LAW & POLITICS. A.B. Hopkins, 58, fel. & M.A. 65, Ph.D.(polit. sci), 69. Instr. hist. Baltimore Col. Commerce, 61-66; asst. prof. POLIT. SCI, TOWSON STATE COL, 66-69; ASSOC. PROF, 69- Soc. Int. Law. Political theory. Publ: John Marshall's contributions to American neutrality doctrines, William & Mary Law Rev, winter 67; General principles in international law, Indian J. Int. Law, 10/69. Address: Dept. of Political Science, Towson State College, Baltimore, Md. 21204.
- BELKNAP, DR. LOREN C. Sociology. See A-K Vol, 11th ed, Soc. & Behav. Vols. New information: Also chmn. dept. soc. serv. & corrections, 69-, University of Nevada, 315 Mack Social Science Bldg, Reno, Nev. 89507.
- BELL, PROF. A(LBERT) HOWARD, b. Hot Springs, Ark, Feb. 15, 24; m. 52; c. 3. CLINICAL PSYCHOLOGY. B.S. Tulane, 51, M.S. 55; Ph.D.(clin. psychol), La. State, 57; cert, Rutgers, 66. Intern clin. psychol, Charity Hosp. & med. center, La. State, New Orleans, 56-57; fel. Vet. Admin. Ment. Hyg. Clin, New Orleans, 57-58; clin. psychologist, Vet. Admin. Hosp, Augusta, Ga, 58-60; Vet. Admin. Ment. Hyg. Clin, Atlanta, 60-62; private practice clin. psychol, 62-; chief psychologist, East La. State Hosp, Jackson, 65-69; PROF. PSYCHOL. & CHRMN. DEPT, TARKIO COL, 69- Instr, Augusta exten, Univ. Georgia & Augusta Col, 58-60. Consult, Ark. Rehab. Serv. & Old Age & Survivor's Ins, 62-65. U.S.N. 42-45. Psychol. Asn. Psychological aspects of disability and adjustment process in chronic disabilities, particularly the physically disabled; alcoholism. Publ: Attitudes of selected rehabilitation workers and other employees toward the physically disabled, 62 & Measure for adjustment of the physically disabled, 67, Psychol. Reports; Measuring adjustment in patients disabled with alcoholism, Quart. J. Studies Alcohol, 69. Address: Dept. of Psychology, Tarkio College, Tarkio, Mo. 64491.
- BELL, (ARTHUR) DONALD. Psychology, Psychology of Religion. See A-K Vol, 11th ed, Soc. & Behav. Vols. Change of address: 2821 Alton Rd, Ft. Worth, Tex. 76109.
- BELL, PROF. DANIEL. Sociology. See A-K Vol, 11th ed, Soc. & Behav. Vols. New position: Prof., 69-, Dept. of Sociology, Harvard University, Cambridge, Mass. 02138.
- BELL, DR. DAVID G. b. Janesville, Wis, Apr. 7, 32; m. 55; c. 2. COUNSELING. B.Mus.Ed, Milton Col, 57; Nat. Sci. Found. fel, Claremont Grad. Sch, 64; M.S. Wisconsin, 62, Ph.D.(counseling & behav. studies), 69. Teacher, high sch, Wis, 57-65; res. asst. superior students, Wisconsin, 65-67; couns. counseling center, SAN FERNANDO VALLEY STATE COL, 67-68, dir. financial aids, 68-69; ASSOC. DEAN STUDENTS, 69- U.S.A. 51-53, Sgt. Personnel & Guid. Asn. Guidance of minority students. Publ: Relationships between test performance, self-views, and leisure-time activities of superior high school freshmen and their reported subsequent leadership, Dissertation Abstracts, 70; College guidance aspects of the E.O.P. Col. Personnel Abstracts, 70. Address: San Fernando Valley State College, 18111 Nordhoff St, Northridge, Calif. 91324.
- BELL, DR. GEORGE A(LFRED). Political Science. See A-K Vol, 11th ed, Soc. & Behav. Vols. Change of address: 1089 Merrick Dr, Apt. 166, Lexington, Ky. 40502.
- BELL, PROF. GRAHAM (BERNAT). Psychology. See 11th ed, Soc. & Behav. Vols, deceased 68.
- BELL, HARRY H. Economics. See A-K Vol, 11th ed, Soc. & Behav. Vols. New information: Independent econ. consult, Studies & Serv. Inc. 69- Address: 2801 31st NW, Washington, D.C. 20008.
- BELL, DR. JOHN ELDERKIN. Psychology. See A-K Vol, 11th ed, Soc. & Behav. Vols. New position: Dir, Ment. Res. Inst, 68- Address: 751 De Soto Dr, Palo Alto, Calif. 94303.
- BELL, PROF. PHILIP W(LIKES). Economics. See A-K Vol, 11th ed, Soc. & Behav. Vols. Correction: Provost, Merrill Col, California, Santa Cruz, 68- Address: Dept. of Economics, Merrill College, University of California, Santa Cruz, Calif. 95060.
- BELL, PROF. ROBERT W(ILSON), b. Ord, Nebr, Sept. 29, 13; m. 43; c. 3. BUSINESS ADMINISTRATION. B.S. Nebraska State Col, Kearney, 40; M.A. Colo. State Col, 46; Ph.D.(mkt), Texas, Austin, 62. Instr, high sch, Nebr. 40-42; asst. prof. acct. mkt. & statist, Hastings Col, 46-51; mkt. statist. & advtve, Washburn, 52-57; assoc. prof. mkt. & statist, ARKANSAS, Fayetteville, 57-63, PROF. MKT. & RES. 63- Consult, U.S. Air Force, Topeka, Kans, 56-57; Daisy Mfg. Co, Ark, 59-60; summers-Kans-Mo. Div. R.H. Macy, Mo, 66 & 67, May Dept. Stores, St. Louis, Mo. 68 & Famous-Barr Co, 69. Chmn, Census Tract Cmt, Topeka, 55-57; mem, Urban Renewal Cmt, 56-57. U.S.N.R. 42-45. Lt. Mkt. Asn. Retail audits of stores; scientific approach to teaching of retail management, budgeting, and expense analysis; behavior patterns in food retailing. Publ: Budgeting for small department stores, Small Bus. Admin. 8/63; co-auth. Quantitative determination of manpower requirements in variable activities, J. Retailing, summer 67 & Evaluating the retail salesman, J. Mkt. summer 68. Address: Dept. of Marketing, College of Business Administration, University of Arkansas, Fayetteville, Ark. 72701.
- BELL, PROF. WALTER HERMAN. Romance Languages, Counseling. See 5th ed, Dir. Am. Scholars, Vol. III, For. Lang, Ling. & Philol.
- BELL, PROF. WINIFRED. Social Work. See A-K Vol, 11th ed, Soc. & Behav. Vols. New position: Prof. sch. work, State Univ. N.Y. Albany, 68- Address: 2 Van Rensselaer Blvd, Menands, N.Y. 12204.
- BELLAK, DR. ALVIN O(TTO). Psychology. See A-K Vol, 11th ed, Soc. & Behav. Vols. New position: Partner, Edward N. Hay & Assocs, 69- Address: 120 S. Van Pelt St, Philadelphia, Pa. 19103.
- BELLEAU, DR. GEORGE SAMUEL, b. Milwaukee, Wis, Nov. 11, 31; m. 52; c. 1. PSYCHOLOGY. Ph.D.(psychol), Southern California, 63. Prin. Culver City Jr. Acad, Calif, 55-59; psychometrist, Rowland Sch. Dist, 60-62; psychologist, Westminster Sch. Dist, 62-64; ASSOC. PROF. PSYCHOL., PACIFIC UNION COL, 64- Consult, Los Angeles County Probation Dept, summer 61; Napa County Schs, 67-68; Diag. & Referral Center, Napa, Solana Lake & Mendocino Counties, 68- Psychol. Asn. School psychology; teaching of psychology; psychotherapy; mental health. Address: 884 Ponderosa Dr, Angwin, Calif. 94508.
- BELLI, DR. PEDRO, b. Managua, Nicaragua, Jan. 24, 39; m. 68. ECONOMICS. A.B. Amherst Col, 60; Ph.D.(econ), California, Berkeley, 68. ASST. PROF. ECON, CALIFORNIA, RIVERSIDE, 68- Econ. Asn. Publ: Farmer's response to price in underdeveloped areas: the Nicaraguan case, Am. Econ. Rev. (in press). Address: Dept. of Economics, University of California, Riverside, Calif. 92502.
- BELLUGI-KLIMA, DR. URSULA. Linguistics, Cognitive Psychology. See 5th ed, Dir. Am. Scholars, Vol. III, For. Lang, Ling. & Philol.
- BELMONT, DR. JOHN MARK, b. Oakland, Calif, Sept. 9, 40; m. 63; c. 1. PSYCHOLOGY. B.A. Reed Col, 62; Nat. Inst. Ment. Health fcls, 63 & 67; M.A. George Peabody Col, 63; Ph.D.(psychol), Alabama, 67. Res. fel. YALE, 66-67, RES. PSYCHOLOGIST, 67- Sr. investr, Nat. Inst. Child Health & Human Develop. res. grant, 67-70. Consult, President's Cmt. Ment. Retardation, 69-70. Psychol. Asn. Ment. Deficiency, Soc. Res. Child Develop. Learning and memory processes in mental retardates and children. Publ: Long-term memory in mental retardation, 66 & co-auth. Relations short-term memory to development and intelligence, In: Advances in child development and behavior, Vol. 19, 68, Acad. Press; auth. Perceptual short-term memory in children, retardates and adults, J. Exp. Child Psychol. 5: 114-122. Address: Yale University, 163 York St, New Haven, Conn. 06511.
- BELNIAK, DEAN JOHN P(AUL). Political Science. See A-K Vol, 11th ed, Soc. & Behav. Vols. New information: Also dir. summer sessions & coordinator campus conf, 69-, Harpur College, State University of New York at Binghamton, Binghamton, N.Y. 13901.

- BELSHAW, PROF. CYRIL S(HIRLEY). Social Anthropology. See A-K Vol. 11th ed. Soc. & Behav. Vols. New information: Also heard dept. anthrop. & sociol. British Columbia, 68-; v-pres. Soc. Sci. Res. Coun. Can. 69- Address: Dept. of Anthropology & Sociology, University of British Columbia, Vancouver 8, B.C. Can.
- BELSHAW, DR. MICHAEL H(ORACE). Economic Development. See A-K Vol. 11th ed. Soc. & Behav. Vols. New position: Prof. econ, Prescott Col, 69- Address: Route 1, Box 375, Prescott, Ariz. 86301.
- BELT, PROF. VIRGINIA MCKEMIE. Economics, Finance. See A-K Vol. 11th ed. Soc. & Behav. Vols. New information: Pres. Financial Prog. of Tustin, Calif. Address: Dept. of Business Finance, California State College, Long Beach, Calif. 90801.
- BELZUNG, DR. L(AURIE) DENNIS. Economics. See A-K Vol. 11th ed. Soc. & Behav. Vols. New position & address: Prof. econ. & assoc. dean, 69-, College of Business Administration, University of Arkansas, Fayetteville, Ark. 72701.
- BENAVIE, DR. ARTHUR, b. Detroit, Mich. Feb. 26, 30; m. 63. ECONOMICS. B.A. Wayne State, 54; M.A. Michigan, 55, fel. 59-60, Ph.D.(econ), 62. Asst. prof. ECON, Princeton, 62-65; ASSOC. PROF., San Francisco State, 65-67; NORTH CAROLINA, CHAPEL HILL, 67- Sig.C. U.S.A. 55-57, Lt. Mathematical techniques; macroeconomic theory. Publ: Intermediaries and monetary policy, Univ. Michigan Bus. Publ, 65; Monetary-fiscal policy and the debt burden, J. Financial & Quant. Anal, 66; Intermediaries in a macroeconomic model, J. Finance, 9/67. Address: Dept. of Economics, University of North Carolina, Chapel Hill, N.C. 27514.
- BENCH, DR. NACHMAN, b. Haifa, Israel, Feb. 22, 35; m. 65; c. 1. MANAGEMENT SCIENCES. B.S. Israel Inst. Tech, 59; M.B.A. N.Y. Univ, 61, Ford Found. fel. 63-64, Ph.D.(opers. res), 65. PRES. BENCH ADVISORS, INC., 65- Adj. assoc. prof. sch. bus. Baruch Col, City Univ. New York, 65-68. Inst. Mgt. Sci. Address: Bench Advisors, Inc. 55 W. 44th St. New York, N.Y. 10036.
- BENDER, PROF. BYRON WILBUR. Anthropological Linguistics. See A-K Vol. 11th ed. Soc. & Behav. Vols. New position: Prof. chmn, 69-, Dept. of Linguistics, University of Hawaii, Honolulu, Hawaii 96822.
- BENDER, DR. DONALD RAY. Anthropology. See A-K Vol. 11th ed. Soc. & Behav. Vols. Change of address: Dept. of Anthropology, University of Minnesota, Minneapolis, Minn. 55455.
- BENDER, DR. HARRY, b. New York, N.Y. June 10, 26; m. 48; c. 3. PSYCHOLOGY. B.A. Hunter Col. 50; univ. fel. & M.A. Yale, 41, U.S. Pub. Health Serv. fel. & Ph.D.(clin. psychol), 55. Asst. prof. psychol, Colorado, 54-56; from asst. prof. to PROF. PSYCHOL, SAN JOSE STATE COL, 56- U.S.N. 44-46. Psychol. Assn. Institutional reform; undergraduate instruction; behavior modification. Publ: From anarchy towards order in grading, Tower: Learning of color shock & Relative effectiveness of start-box and goal-box cues in the maintenance of avoidance responses, Am. Psychol. 195114. Address: Dept. of Psychology, San Jose State College, San Jose, Calif. 95114.
- BENDER, DR. VIRGINIA LEE, b. Battle Creek, Mich. Aug. 4, 44. PSYCHOLOGY. B.S. Alabama, 65, M.A., 67, Ph.D.(psychol), 69. ASST. PROF. PSYCHOL, SAN FRANCISCO, 68- Psychol. Assn; Psychonomic Soc. Self-punitive behavior in rats; learning processes in mental retardates. Publ: Co-auth. Self-punitive avoidance behavior: effects of changes in punishment intensity, Psychol. Record, 68; co-auth. Sources of reinforcement in the establishment of self-punitive behavior, 3/69 & auth. Secondary punishment of self-punitive avoidance behavior in the rat, 10/69, J. Comp. & Physiol. Psychol. Address: Dept. of Psychology, University of San Francisco, San Francisco, Calif. 94117.
- BENDER, DR. WILSON R(ALPH) G(RIGGS). Clinical Psychology. See 11th ed. Soc. & Behav. Vols. deceased.
- BEN-DOR, DR. SHMUEL. Anthropology. See A-K Vol. 11th ed. Soc. & Behav. Vols. New position & address: Asst. prof. 69-, Dept. of Anthropology, Case Western Reserve University, Cleveland, Ohio 44106.
- BENEDETTI, PROF. DAVID THEODORE. Psychology. See A-K Vol. 11th ed. Soc. & Behav. Vols. New information: Also assoc. dean, 69-, Graduate School, University of New Mexico, Albuquerque, N.Mex. 87106.
- BENES, DR. ELINOR SIMSON. Vertebrate Zoology, Animal Behavior. See Suppl. VI to 11th ed. Phys. & Biol. Vols.
- BENEVENTO, DR. L(OUIS) (ANTHONY). Neurophysiology, Neuroanatomy. See Suppl. VI to 11th ed. Phys. & Biol. Vols.
- BENFARI, DR. ROBERT. Psychiatry. See A-K Vol. 11th ed. Soc. & Behav. Vols. New position: Asst. prof. sch. pub. health, Harvard, 69- Address: 7 Mt. Vernon Place, Boston, Mass. 02108.
- BENFER, DR. ROBERT ALFRED. Anthropology. See A-K Vol. 11th ed. Soc. & Behav. Vols. New position & address: Asst. prof. anthrop, 69-, University of Missouri-Columbia, 2035 Switzer Hall, Columbia, Mo. 65201.
- BENJAMINS, DR. JAMES, b. Grand Rapids, Mich. Aug. 24, 09; m. 37; c. 2. PSYCHOLOGY. A.B. Mich. State Norm. Col. 31; M.A. Michigan, 39; Ph.D. (psychol), Ohio State, 49. Youth worker, Family & Children's Serv, Mich., 42-43; children's worker, Cent. Mich. Children's Clin. 43-46; chief psychologist, Children's Center Wayne County, 49-67; DIR. PSYCHOL. DEPT., PLYMOUTH STATE HOME & TRAINING SCH., 68- Psychol. Assn; Orthopsychiat. Assn. Publ: Changes in performance in relation to influences upon self-conceptualization, J. Abnorm. & Soc. Psychol. Address: Plymouth State Home & Training School, Sheldon Rd, Northville, Mich. 48167.
- BENNE, PROF. KENNETH D(EAN), b. Morrowville, Kans, May 11, 08. HUMAN RELATIONS, EDUCATION. B.S. Kans. State Col. 30; M.A. Michigan, 36; scholar, Columbia, 36-38, Ph.D.(ed. philos), 41. From asst. prof. to assoc. prof. soc. founds, ed. Illinois, 41-46, prof. 46-53; assoc. prof. & res. assoc. Columbia, 46-48; BERENSON PROF. HUMAN RELS., BOSTON, 53- Kilpatrick award, Columbia, 43. U.S.N.R. 42-46, Lt. Comdr. Fel. AAAS; Sociol. Assn; fel. Philos. Ed. Soc.(pres, 50); Adult Ed. Assn.(pres, 55). Application of social science to problems of organizational and institutional change; intergroup and community relations; processes of human relations training. Publ: Co-auth. The planning of change, Holt; auth. A conception of authority, Teachers Col; Education for tragedy, Kentucky Press. Address: 8 Kilsyth Terr, Brookline, Mass. 02146.
- BENNER, DR. HAROLD JOHN, b. Ridgeway, Ont, Sept. 1, 28; U.S. citizen; m. 61; c. 3. PSYCHOLOGY, EDUCATION. B.Sc. Miami (Ohio), 55; B.D. Mcornick Theol. Sem. 59; M.A. Mich. State, 64, Ph.D.(counseling psychol), 68. Cost analyst, Trico Prod. Corp. 47-52; asst. pastor, Presby. Church, 59-63; asst. instr. counseling, Mich. State, 65-68; ASST. PROF. PERSONALITY & ADJUSTMENT & ASST. DIR. COUNSELING CENTER, BRADLEY, 68- Psychol. Assn; Personnel & Guid. Assn. Personality: counseling; marriage relationships; laboratory training. Publ: Self-disclosure as a construct, Dissertation Abstracts, 68. Address: Counseling Center, Bradley University, Peoria, Ill. 61604.
- BENNETT, DR. DAVID HARRY. American History. See 5th ed. Dir. Am. Scholars, Vol. 1. Hist.
- BENNETT, DR. DELMOND N, b. Mitchell, S.Dak, Mar. 9, 18; m. 61; c. 1. SPEECH, PHONETICS. B.A. Washington (Seattle), 55, M.A. 58, Ph.D. (speech), 63. Asst. prof. speech & dir. speech clin. N.Dak. State, 59-61; asst. prof. SPEECH, Illinois, Urbana, 61-63; WASHINGTON (SEATTLE), 64-68, ASSOC. PROF. 68- U.S.A. 46-48. Speech & Hearing Assn, Speech Assn. Am. Speech, communications science; phonetics. Publ: Co-auth. Intelligibility of slow-played speech, 61 & Phonetic distortions in the serial transmission of short speech samples, 68, J. Speech & Hearing Res; Increased intelligibility in the hypacusic by slow-play frequency transposition, J. Auditory Res, 67. Address: Dept. of Speech, University of Washington, Seattle, Wash. 98105.
- BENNETT, DR. JOHN ARTHUR WATSON, b. Ottawa, Ont, Aug. 12, 11; m. 39; c. 2. POLITICAL SCIENCE, INTERNATIONAL RELATIONS. Grad. Royal Mil. Col. Can, 33; M.A. George Washington, 64; Ph.D.(int. rels), American Univ. 68. Instr. int. rels, American Univ. 67-68; ASST. PROF. POLIT. SCI., OLD DOMINION, 68- Can. Army, 33-66, Brig. Pol. Sci. Assn. International relations; the foreign policy role of the American military. Address: Dept. of Political Science, Old Dominion University, Norfolk, Va. 23508.
- BENNETT, DR. JOHN FRANCIS). Hist. of Sci. Evolution. See 11th ed. Phys. & Biol. Vols. & Suppl. IV.
- BENNETT, DR. JOHN T(OSCAN). Agricultural Economics. See A-K Vol. 11th ed. Soc. & Behav. Vols. New position: Dep. dir. U.S. Agency Int. Develop, Dominican Repub, 69- Address: U.S. Embassy, Santo Domingo, Dominican Republic.
- BENNETT, PROF. RALPH J. Economics, Accounting. See A-K Vol. 11th ed. Soc. & Behav. Vols. New information: Ph.D.(ed. admin. econ), St. Louis, 68. Prof. econ. & acct. & dir. eve. degree completion prog, 69-, Dept. of Economics & Accounting, Aquinas College, Grand Rapids, Mich. 49506.
- BENNETT, DR. THOMAS LEROY, JR, b. Norwalk, Conn. Sept. 25, 42; m. 66. PSYCHOLOGY. Ford Found. fel. New Mexico, 62-65, 64, NASA fel. 65-68, M.S. 66, Ph.D.(psychol), 68. ASST. PROF. PSYCHOL, Sacramento State Col, 68-70; COLORADO STATE, 70- AAAS. Limbic system and behavior; Hippocampal electrical correlates of behavior; comparative neuroanatomy and behavior; effects of early experience on later discrimination learning. Publ: Co-auth. The effect of hyperstriatal lesions on head orientation to a sound stimulus in chickens, Exp. Neurol, 67 & Tactual-kinesthetic feedback from manipulation of visual forms and nondifferential reinforcement in transfer of perceptual learning, J. Exp. Psychol, 68; auth, Hippocampal EEG correlates of behavior, Electroencephalogr. Clin. Neurophysiol, 70. Address: Dept. of Psychology, Colorado State College, Ft. Collins, Colo. 80521.
- BENNETT, DR. VIRGINIA, b. Asbury Park, N.J. Mar. 28, 16; m. 40; c. 2. EDUCATIONAL PSYCHOLOGY. B.S. Rutgers, 56, Ed. M. 61, Ed.D.(sch. psychol), 63. ASST. PROF. ED. GRAD. SCH. ED. RUTGERS, 63- Consult. sch. psychologists, Cent. Regional Jr.-Sr. High Sch. Bayville, N.J. 63-65; consult. Oper. Head Start, 65; U.S. Off. Econ. Opportunity Kilmer Job Corps Training Center, 65-67; ed. consult. J. Sch. Psychol, 66-; consult. U.S. Off. Ed, 66-; consult. sch. psychologist, Tewksbury Elem. Sch, N.J. 67-; South Brunswick Pub. Schs, 68, sex ed, 69. Chmn. N.E. regional cmt. Am. Bd. Pnrl. Psychologists, 65; chmn. Curriculum Cluster, U.S. Off. Ed. 69- Psychol. Assn; Orthopsychiat. Assn. Development of norms as a methodological consideration in the use of children's figure drawings. Publ: Projective techniques with culturally disadvantaged children, In: Perspectives in the education of disadvantaged children, World Pub, 67; co-auth. Preparation for professional psychology: an example from a school psychology training program, Am. Psychol, 22: 652-656; auth. A mental health orientation to an experimental course in sex education for teachers, Ment. Hyg, 69. Address: Graduate School of Education, Rutgers, The State University, New Brunswick, N.J. 08903.
- BENNINGER, PROF. LAWRENCE J, b. New York, N.Y. Dec. 9, 12; m. 37; c. 2. ACCOUNTING. B.A. State Univ. Iowa, 37, M.A., 40, Ph.D.(acct), Missouri, 49; dipl. adv. Spanish, Jaime Balme Univ, Mex. 68. Instr. commerce, high schs, Ariz, 37-40 & 44-45; bus. admin, Tulsa, 40-42; acct, Miami (Ohio), 42-44; assoc. prof. ACCT, Bowling Green State, 45-47; prof. Missouri, 49-55; assoc. prof. Alabama, 55-56; PROF. FLORIDA, 56- Agency Int. Develop. consult. & prof. sch. Admin. & Finances, Colombia,

- S. Am, 65-66; summers, Agency Int. Develop. Consult. Govt. Nicaragua, 62, consult. & prof. Univ. Puerto Rico, 61, 62. Acct. Asn. Evolution of acct. and developments in cost managerial accounting; application of concepts from the social sciences and techniques of statistics. Publ: Co-auth. Cost accounting, Ronald, 63; auth. Accounting theory formulation and cost accounting, Acct. Rev, 7/65; Standard costs, In: Handbook of modern accounting, McGraw, 70. Address: 1022 N.E. 20th Ave, Gainesville, Fla. 32601.
- BENNIS, DR. WARREN G.** Social Psychology. See A-K Vol, 11th ed, Soc. & Behav. Vols. New position: Acad. v-pres, 68-, State University of New York at Buffalo, Buffalo, N.Y. 14214.
- BENNSKY, GEORGE MICHAEL.** Economics, International Affairs. See A-K Vol, 11th ed, Soc. & Behav. Vols. New information: Also acting dep. dir, U.S. Agency Int. Develop, Mission Peru, 69-. Address: U.S. Agency for International Development, American Embassy, Lima, Peru.
- BENSMAN, PROF. JOSEPH, b. Jan. 29, 22; U.S. citizen; m. 44; c. 3.** SOCIOLOGY. B.A., Wisconsin, 46, M.A., 47; Ph.D.(sociol), Columbia, 58. Instr. sociol. Syracuse, 48-51; surv. analyst, U.S. Info. Agency, 51-53; assembler, Repub. Aviation Co, 53-54; res. mgr, William Esty Co, N.Y., 54-64; assoc. prof. SOCIOL, CITY COL. NEW YORK, 64-69, PROF, 70-. Res. dir, Bedford Stryvesant, Youth in Action, 64-65; Unemployed Youth Proj, N.Y. Univ, 65-66; vis. prof, Univ. Leicester, 65-67; adj. assoc. prof, New Sch. Soc. Res., 66-69; res. dir, Jewish Family Serv, 69-. Consult, President's Cmn. on Violence, 68-69. U.S.A., 43-46. Sociol. Asn. Sociology of occupations; social class; bureaucracy; sociology of the arts; social theory; youth; poverty. Publ: Co-auth. Small town in a mass society, Princeton, 58; auth. Dollars and sense, Macmillan, 67; co-auth. The Third American Revolution, Quadrangle, 70. Address: 6 Wilvade Rd, Great Neck, N.Y. 11020.
- BENSON, DR. JAMES D.** Marketing. See A-K Vol, 11th ed, Soc. & Behav. Vols. New information: Also dir. grad. studies bus, 68-, College of Business Administration, University of Iowa, Iowa City, Iowa 52240.
- BENSON, DR. SUMNER.** Modern History. See 5th ed, Dir. Am. Scholars, Vol. I, Hist.
- BENSON, DEAN WILBUR EARLE, b. Wakefield, Va, Aug. 3, 21; m. 46; c. 3.** FINANCE, ACCOUNTING. A.B., George Washington, 51, M.B.A., 52, Ph.D. (bus. admin), 60. Assoc. prof. acct, George Washington, 52-60; prof. finance, Georgia, 60-63; asst. dean col. bus. admin, Florida Atlantic, 63-67; dean col. bus. admin, Akron, 67-70; PROF. FINANCE & DEAN SCH. MGT, CLARKSON COL. TECH, 70-. Consult, U.S. Navy, 52-53; Small Bus. Admin, 56-. U.S.N., 42-46. Econ. Asn; Finance Asn; Acct. Asn. Investments; commercial banking. Address: School of Management, Clarkson College of Technology, Potsdam, N.Y. 13676.
- BENTZ, DR. WILLARD KENNETH, b. Hazleton, Pa, Jan. 14, 34; m. 53; c. 3.** SOCIOLOGY. B.A., Florida, 60; univ. fel, Fla. State, 61-62, M.S., 62, Nat. Inst. Ment. Health fel, 62-65, Ph.D.(sociol), 65. ASST. PROF. sociol, Florida Atlantic, 65-66; SOCIOL. IN PSYCHIAT, NORTH CAROLINA, CHAPEL HILL, 66-. U.S.N., 52-56. Sociol. Asn. Sociology of mental illness; sociology of mental health especially in rural areas; social psychology; social psychiatry. Publ: Co-auth. Toward a measurement of sociocultural change, Soc. Forces, 43: 522-531; auth. The relationship between educational background and the referral role of ministers, Sociol. & Soc. Res., 1/67; co-auth. Attitudes and opinions of rural people about mental illness and program services, Am. J. Pub. Health, 3/69. Address: Dept. of Sociology in Psychiatry, University of North Carolina School of Medicine, Chapel Hill, N.C. 27514.
- BERANEK, PROF. WILLIAM.** Economics, Operations Analysis. See A-K Vol, 11th ed, Soc. & Behav. Vols. New position & address: Prof. bus. admin, 69-, 2128 Cathedral of Learning, Graduate School of Business, University of Pittsburgh, Pittsburgh, Pa. 15213.
- BERARDO, DR. FELIX M.** Sociology. See A-K Vol, 11th ed, Soc. & Behav. Vols. New position & address: Assoc. prof, 69-, Dept. of Sociology, University of Florida, Gainesville, Fla. 32601.
- BERDAHL, PROF. CLARENCE (ARTHUR).** Political Science. See A-K Vol, 11th ed, Soc. & Behav. Vols. Change of address: 706 S. Coler Ave, Urbana, Ill. 61801.
- BERENBERG, DR. ALBERT NELSON, b. Newark, N.J., Aug. 7, 19; m. 42; c. 3.** PSYCHOLOGY. B.A., N.Y. Univ, 46, M.A., 48, Ph.D., 57. Psychologist, New York Bur. Child Guid, N.Y., 52-53, 54-56; Kings County Hosp, Brooklyn, 53-54; dir. psychol. serv, New Lincoln Sch, 56-67; private practice clin. psychother, 67-. Lectr, Brooklyn Col, 56-58; instr. N.Y. Univ, 58-60; chief psychol. dept, Northside Center Child Develop, 60-67; fel. psychoanal. psychother, Postgrad. Center Psychother, 61-67. Consult, Personnel Lab, 59-60. Sig. C., 42-46, Med. C., 49-53, Capt. Psychol. Asn; Acad. Psychother. Self inflicted wounds among the military; motivation, leadership, psychotherapy and sense of identification; psychotherapeutics. Publ: Japanese psychiatry and psychotherapy, Am. J. Psychiat., 11/52 & Simulation of psychosis, Psychiat. Quart., 7/53. Address: 565 West End Ave, New York, N.Y. 10024.
- BERENDZEN, DR. RICHARD E (ARL).** Astronomy, History of Science. See Suppl V to 11th ed, Phys. & Biol. Vols.
- BERENSON, PROF. CONRAD.** Marketing. See A-K Vol, 11th ed, Soc. & Behav. Vols. New information: Also Exec. officer, Ph.D. prog. in bus, 69-, City University of New York, 257 Park Ave. S, New York, N.Y. 10010.
- BERESFORD, JOHN CLINTON.** Demography, Sociology. See A-K Vol, 11th ed, Soc. & Behav. Vols. New position: Pres, Data Use & Access Lab, 69-. Address: 1317 Alexandria Ave, Alexandria, Va. 22308.
- BERETVAS, ANDOR.** Economics, Business Administration. See A-K Vol, 11th ed, Soc. & Behav. Vols. Change of address: 6101 N. Sheridan Rd. E, Chicago, Ill. 60626.
- BERG, DR. IVAR ELIS, JR.** Sociology, Business. See A-K Vol, 11th ed, Soc. & Behav. Vols. New information: Also assoc. dean faculties, 69-, Columbia University, 202 Low Library, New York, N.Y. 10027.
- BERNG, DR. PHILIP L (EE), b. Grand Forks, N.Dak, July 27, 33; m. 57; c. 3.** SOCIOLOGY, ANTHROPOLOGY. B.A., North Dakota, 55, M.A., 57; Minnesota, Minneapolis, 63-64; Ph.D.(sociol, anthropol), Nebraska, Lincoln, 68. Soc. worker, dept. pub. welfare, St. Paul, Minn, 58-62; instr. SOCIOL, St. Olaf Col, 62-64; asst. prof, Gustavus Adolphus Col, 65-69; ASSOC. PROF., ST. OLAF COL, 69-. Participant, Dept. Health, Ed. & Welfare Summer Faculty Inst. Sociologists & Soc. Workers, Univ. Washington, Seattle, 68. U.S.A.R., 56-62. Sociol. Asn; Soc. Sci. Study Relig. Sociology of religion; cultural anthropology; relationships between social structure and personality. Publ: Spoon-fed and soporific, Improving Col. & Univ. Teaching, summer 68; Adult socialization and social work practice, Soc. Work, spring 67; Socialization into the ministry; a comparative analysis, Sociol. Anal, summer 69. Address: Dept. of Sociology, St. Olaf College, Northfield, Minn. 55057.
- BERGEN, DR. JOHN R (CHARD), b. Chicago, Ill, Oct. 19, 31; m. 55; c. 2.** EDUCATIONAL PSYCHOLOGY. A.B., Kalamazoo Col, 53, M.A., Wayne State, 60; Ph.D.(ed. psychol), Michigan, 63. Teacher, Frances Clark Piano Workshop, 52-55 & 56-57; sch. psychol. diagnostician, Macomb County Bd. Ed., 60-61; teaching fel, dept. psychol, Michigan, 62-63; asst. prof. ed. & comm. sch. psychol, cm, Kansas, 63-66; dir. ed. psychol, 66; ASSOC. PROF. ED. COL. ED. ARIZONA, 66-. Prof. dir. U.S. Off. Ed. grants, 64-67; Nat. Inst. Ment. Health grant, 67-68. U.S.A., 55-56. Ed. Res. Asn; Psychol. Asn. Perceptual ability training. Publ: A study of the relationships between perception and reading, Coop. Res. Proj, U.S. Dept. Health, Ed. & Welfare, 67; co-auth. Operant techniques in school psychology, Psychol. in Schs, 4/67. Address: College of Education, University of Arizona, Tucson, Ariz. 85721.
- BERGER, DR. ARTHUR ASA, b. Boston, Mass, Jan. 3, 33; m. 61; c. 2.** SOCIOLOGY. B.A., Massachusetts, 54; M.A., Iowa, 56; Fulbright scholar, Italy, 63-64; Ph.D.(Am. studies), Minnesota, 65. ASSOC. PROF. SOC. SCI, SAN FRANCISCO STATE COL, 65-. U.S.A. Am. Studies Asn; Acad. Polit. & Soc. Sci; Popular Culture Asn. Popular culture and society, humor, the comics and media in general in terms of artistic qualities and social significance; sociology of art. Publ: Li'l Abner: a study in American satire, Twayne, 70; Authority in the comics, Transaction, 12/66; Peanuts: an American pastoral, J. Popular Culture, 3/69. Address: Dept. of Social Science, San Francisco State College, San Francisco, Calif. 94132.
- BERGER, DR. DAVID GARRETT, b. May 23, 41; U.S. citizen; m. 65; c. 1.** SOCIOLOGY. B.S., Wisconsin, Madison, 63; Woodrow Wilson fel, Columbia, 63; Nat. Defense Ed. Act fel, Vanderbilt, 65-68, M.A., 67, Ph.D.(sociol), 69. Res. asst. sociol. inst. urban studies, teacher's col, Columbia, 63-64; proj. dir, Musicians's Res. Corp, 64-65; instr. SOCIOL, Vanderbilt, 67; ASST. PROF., COL. LIB. ARTS, TEMPLE, 69-. Assoc. coordinator, Nashville Riot Study, President's Cmn. Civil Disorder, 67; instr. fel, summer 67. Examination of the abilities of men to identify members of their own and other races; structure and dynamics of the popular music industry. Publ: The dollar and pap culture, In: Deviance and social change, Prentice-Hall, 70 & Status attribution and self-perception among musical specialties, Sociol. Quart. (in press). Address: Dept. of Sociology, Temple University College of Liberal Arts, Philadelphia, Pa. 19122.
- BERGER, PROF. SEYMOUR MAURICE.** Psychology. See A-K Vol, 11th ed, Soc. & Behav. Vols. New position & address: Prof, 69-, Dept. of Psychology, University of Massachusetts, Amherst, Mass. 01002.
- BERGMAN, PROF. RITA E, b. Houston, Ohio.** PSYCHOLOGY. B.S., Ohio State, 46; M.Ed., Cincinnati, 54; Dir. H.S. Indiana, 56, H.S.D., 57, D.Ed.(psychol), 59. Educator health, Maryland, 56-58; res. asst, Wisconsin, 59-60; supvr. student teaching, Wis. State-Whitewater, 60-61; asst. prof. ed, Detroit, 62-63; dean students, St. John Col, 64-65; dean women, West Liberty State Col, 65-66; PROF. PSYCHOL, ASHLAND COL, 66-. Consult, Center Study Democratic insts, 68. Personnel & Guid. Asn; Asn. Health, Phys. Ed. & Recreation; Asn. Higher Ed. Traffic safety; safety attitudes; sociopathic behavior; interpersonal competence; attitudes toward sex; group process; children's behavior; adolescence. Publ: The sociopath, 68 & Children's behavior, 69, Exposition; The potential of the helicopter in mass transportation, J. Am. Helicopter Soc, 1/57. Address: Dept. of Psychology, Ashland College, Ashland, Ohio 44805.
- BERGMANN, DR. BARBARA R, b. New York, N.Y., July 20, 27; m. 65; c. 2.** ECONOMICS. B.A., Cornell, 48; fel, Harvard, 54-58, M.A., 55, Ph.D., 59. Economist & chief inquiries unit, N.Y. regional off, U.S. Bur. Labor Statist, 49-53; instr. econ, Harvard, 58-61; sr. staff economist, Comm. Econ. Adv. Exec. Off. President, 61-62; assoc. prof. econ, Brandeis, 62-64; mem. sr. staff, Brookings Inst, 63-65; ASSOC. PROF. ECON, MARYLAND, 65-. Economist, N.Y. Metrop. Region Study, 57-61; sr. econ. adv. Agency Int. Develop, U.S. Dept. State, 66-67. Consult, Arthur D. Little, Inc; Regional Plan Asn, Inc, N.Y.; Coun. Econ. Adv; transportation res. proj, Brookings Inst; Dept. Health, Ed. & Welfare; Rand Corp. N.Y. Econ. & Economic effects of racial discrimination; development; urban, regional and labor economics. Publ: Co-auth. Structural unemployment in the United States, U.S. Dept. Commerce, 67; auth. Investment in the human resources of Negroes, Joint Econ. Cmt, 68; Urban Economics and the urban crisis, Am. Econ. Rev, 11/69. Address: Dept. of Economics, University of Maryland, College Park, Md. 20742.
- BERGSTEN, DR. HARRY (BENJAMIN).** Educational & Counseling Psychology, Guidance. See A-K Vol, 11th ed, Soc. & Behav. Vols. New position: Prof. psychol. State Univ. N.Y. Col. Oneonta, 68-. Address: 6 Walnut St, Oneonta, N.Y. 13820.

- BERGSTEN, CARL FREDERICK. Economics. International Relations. See A-K Vol, 11th ed, Soc. & Behav. Vols. New information: Ph.D. Fletcher Sch. Law, 69. Sr. staff, Nat. Security Coun, 69- Address: 4106 Sleepy Hollow Rd, Annandale, Va. 22003.
- BERK, DR. NORMAN. Psychology. See A-K Vol, 11th ed, Soc. & Behav. Vols. New position: Chief psychologist, Lee Co. Ment. Health Guid. Center Clin, Ft. Myers, 69- Address: 207 Harbour Dr, Naples, Fla. 33940.
- BERKELEY, DR. MARVIN H(AROLD). Psychology. See A-K Vol, 11th ed, Soc. & Behav. Vols. New position: Dir. pub. affairs, Tex. Instruments Inc, 69- Address: 13958 Hughes Lane, Dallas, Tex. 75240.
- BERKLEY, DR. MARK AARON. Physiological Psychology. See Suppl. VI to 11th ed, Phys. & Biol. Vols.
- BERLEANT, DR. ARNOLD. Philosophy. See 5th ed, Dir. Am. Scholars, Vol. IV, Philos. Relig. & Law.
- BERLIN, DR. IRVING (ORMAN), b. Chicago, Ill, May 31, 17; m. 43; c. 3. PSYCHIATRY. B.A. California, Los Angeles, 39; M.D. California, San Francisco, 43. Lectr. psychiat. sch. med, California, Los Angeles, 50-52, clin. instr. 52-54, asst. res. psychiatrist, 55-56, asst. clin. prof. psychiat. 56-60, assoc. clin. prof. 60-65; PROF. PSYCHIAT. & PEDIAT. & HEAD DIV. CHILD PSYCHIAT. SCH. MED. WASHINGTON (SEATTLE), 65- Fel. child psychiatrist, Langley Porter Inst. 46-50, Consult. McAuley Neuropsychiat. Inst. Calif, 60-; Center Training in Community Psychiat, 61- Mem. bd. dirs, exec. cmt. & chmn. ed. cmt. Joint Cmn. Ment. Health Children, 65- Med. C. U.S.A., 43-46, Capt. Orthopsychiat. Asn.; Acad. Child Psychiat; fel. Psychiat. Asn.; Am. Med. Asn. Childhood psychosis; mental health consultation and community psychiatry; psychosomatic disorders; training in mental health specialties. Publ: Co-auth. Vols. I-V. In: The Langley Porter child psychiatry ser. Sci. & Behavior Bks, 67-70; auth. Mental health consultation in schools as a means of communicating mental health principles, In: Mental health and the educative process: selected readings, Rand McNally, 69; co-auth. The unique role of the child psychiatrist trainee on an inpatient or day care unit, J. Am. Acad. Child Psychiat, 4/69; plus others. Address: Division of Child Psychiatry, School of Medicine, University of Washington, Seattle, Wash. 98105.
- BERMAN, DR. EDWARD B(ERNARD). Economics. See A-K Vol, 11th ed, Soc. & Behav. Vols. New position: Assoc. head systs. anal. dept, Mitre Corp, 69- Address: 8 McKinley Rd, Marblehead, Mass. 01945.
- BERMAN, DR. HYMAN. History. See 5th ed, Dir. Am. Scholars, Vol. I, Hist.
- BERNAL, DR. IGNACIO. Archaeology. See A-K Vol, 11th ed, Soc. & Behav. Vols. New position & address: Dir. gen, 68-, Mexican National Institute of Anthropology & History, Córdoba 45, Mexico 7, D.F.
- BERNARD, DR. NORMAND R(AYMOND) V(INCENT). Economics. See A-K Vol, 11th ed, Soc. & Behav. Vols. New position: Asst. secy, Bd. Gov. Fed. Res. Syst, 70- Address: 5511 Kempton Dr, Springfield, Va. 22151.
- BERNBERG, DR. RAYMOND E(DWARD). Psychology. See A-K Vol, 11th ed, Soc. & Behav. Vols. New position: Dir. adv. aironic progs, 68-, Litton Technical Works, Lörcher Strasse, Freiburg 78, West Germany.
- BERNDT, PRES. REXER. Economics. See A-K Vol, 11th ed, Soc. & Behav. Vols. New position & address: Pres, 69-, Ft. Lewis College, Durango, Colo. 81301.
- BERNFELD, FREDERICK M(ILTON). Economics. See A-K Vol, 11th ed, Soc. & Behav. Vols. New information: Retired. Address: 4501 Arlington Blvd, Arlington, Va. 22203.
- BERNHARD, DR. RICHARD HAROLD. Operations Research, Industrial Engineering. See A-K Vol, 11th ed, Soc. & Behav. Vols. New position & address: Assoc. prof, 69-, Dept. of Industrial Engineering, North Carolina State University, Box 5511, Raleigh, N.C. 27607.
- BERNICK, DR. NILES, b. Chicago, Ill, Mar. 20, 39; m. 62; c. 2. PSYCHOLOGY. B.A., Chicago, 59, Ph.D.(psychol), 66. Res. assoc. child development, Inst. Juvenile Res, 64-66; asst. prof. psychol. col. med, Illinois, 66-68; CHIEF PSYCHOPHYSIOL. LAB, CLIN. RES. CENTER, NAT. INST. MENT. HEALTH, 68- Consult. Inst. Juvenile Res, 67-68. Psychol. Asn. Soc. Psychophysiol. Res. Soc. Sci. Study Sec. Physiological concomitants of sexual arousal and anxiety, particularly effects of psychoactive drugs; evaluation and development of pupil response technique as a measure of emotional responses. Publ: Co-auth. Sensory deprivation and its effect on perception. In: Psychopathy of perception, Grune, 65, Effect of verbalization and two different modes of experiencing on pupil size, Perception & Psychophys, 68 & Physiological differentiation of sexual arousal and anxiety, In: Beiträge zur sexualforschung, Enke, (in press). Address: National Institute of Mental Health Clinical Research Center, P.O. Box 2000, Lexington, Ky. 40507.
- BERNOLAK, DR. IMRE, b. Budapest, Hungary, Nov. 9, 22; Can. citizen; m. 49; c. 3. POLITICAL SCIENCE. Dr. (law), Pázmány Peter Univ, Budapest, 46, Dr. (polit. sci.), 48. Gen. secy. econ. res, Hungarian Br. Food & Agr. Orgn, UN, 46-48, statistician, Int. Refugee Orgn, 49; economist, Can. Dept. Labour, 50-57, Can. Dept. Transport, 57-59, chief productivity res, Dom. Bur. Statists, 59-64, dep. econ. adviser, Can. Dept. Indust. 64-68. DR. PRODUCTIVITY BR. CAN. DEPT. INDUST. TRADE & COMMERCE, 68- Consult. Off. Econ. Coop. & Develop, 64; conf. income & wealth, Nat. Bur. Econ. Res, 67- Am. Econ. Asn.; Can. Econ. Asn. Productivity research in private and government sectors; economic policy; industrial development. Publ: Productivity measurement in the East, Productivity Measurement Rev, Off. Econ. Coop. & Develop, 65. Canadian sources of industrial productivity measured. In: Productivity measurement, Off. Econ. Coop. & Develop, 66. Address: 2308 Hillary Ave, Ottawa 8, Ont, Can.
- BERNSTEIN, DR. BLANCHE. Economics. See A-K Vol, 11th ed, Soc. & Behav. Vols. New position: Dir. res, Center New York City Affairs, New Sch. Soc. Res, 69- Address: 207 E. 74th St, New York, N.Y. 10021.
- BERNSTEIN, PROF. MARVER HILLEL. Political Science. See A-K Vol, 11th ed, Soc. & Behav. Vols. New information: Prof. polit. & pub. affairs, Princeton, 69-, no longer dean Woodrow Wilson Sch. Address: Dept. of Politics, Princeton University, Princeton, N.J. 08540.
- BERNSTEIN, DR. SAMUEL J., b. Brooklyn, N.Y., Nov. 12, 40; m. 63; c. 2. POLITICAL SCIENCE. B.A., Brooklyn Col, 63; fel. Pennsylvania, 65-66, M.A., 66, Ph.D. (polit. sci.), 69. Instr. polit. sci. & sociol, Ursinus Col, 66-68; assoc. polit. scientist, aeronaut. lab, Cornell, 68-69; ASSOC. PROF. POLIT. SCI., STERN COL., YESHIVA, 69- Res. asst. for. policy res. inst., Pennsylvania, 66-67; asst. prof., Rochester, 68-69; lectr. Prudential Life Ins. Co. U.S., 69-70. Consult. Off. Telecommun. Policy, Exec. Off. of the President, 69-; transportation res. div, Polytech. Inst. Brooklyn, 70- Polit. Sci. Asn.; Sociol. Asn. Formal analysis of social and political phenomenon in both the pure and applied research areas employing the principles of systems and quantitative behavioral approaches. Publ: Co-auth. Spectrum management: a relative value approach employing a scoring decision model. Exec. Off. of the President, 70 & Political stability and foreign aid: a formal analysis, In: Readings in the international grants economy, Wadsworth, 70; auth. A scheme for the analysis of totalitarian and mass democratic regimes, Orbis, winter 70. Address: Dept. of Political Science, Stern College, Yeshiva University, New York, N.Y. 10016.
- BERREMAN, PROF. J(OEL) V(ANMETER). Sociology. See A-K Vol, 11th ed, Soc. & Behav. Vols. New information: Retired from Dept. of Sociology, University of Oregon, Eugene, Ore. 97403.
- BERRY, PROF. JAMES BREWTON. Sociology, Anthropology. See A-K Vol, 11th ed, Soc. & Behav. Vols. New publ. The education of American Indians, U.S. Off. Ed, 68; Almost white, Macmillan, rev. ed, 69. Address: Dept. of Sociology & Anthropology, Ohio State University, Columbus, Ohio 43210.
- BERRY, DR. DALE ALLEN, b. Decatur, Ill, Dec. 2, 31; m. 55; c. 2. ECONOMICS. B.S., Illinois State, 58; M.A., Indiana, 60, Ford Found. fel. & Ph.D. (econ), 66. Asst. prof. ECON, DRAKE, 62-67, ASSOC. PROF, 67-, CHMN. DEPT., 68- Summers, fel. prog. appl. econ, Univ. Chicago, 63, econ-in-action prog, Case Inst. Tech, 64. U.S.N., 51-55. Econ. Asn. Macroeconomic theory; monetary economics. Publ: A note on the role of member-bank borrowing in monetary control. In: Studies in history and the social sciences, Illinois State Univ, 65. Address: Dept. of Economics, Drake University, Des Moines, Iowa 50311.
- BERRY, PROF. ERNEST ROYAL. Psychology, Sociology. See A-K Vol, 11th ed, Soc. & Behav. Vols. Change of address: Hopkinson House, 1102 Washington Square S, Philadelphia, Pa. 19106.
- BERRY, DR. J(OHN) W(IDDUP), b. Montreal, Que, May 20, 39; m. 61; c. 3. PSYCHOLOGY, ANTHROPOLOGY. B.A., Sir George Williams, 63; Can. Coun. fel, Edinburgh, 64-66, Ph.D. (psychol), 66. Lectr. PSYCHOL, Sydney, 66-69; ASST. PROF. QUEEN'S (ONT), 69- Res. grants, Australian, 66-69; Can. Coun, 69- Am. Psychol. Asn.; Am. Anthropol. Asn.; Can. Psychol. Asn.; Brit. Psychol. Soc. Cultural psychology, especially cultural factors in behavioral development, personal-cultural integration, and psychological effects of culture contact and social change. Publ: Independence and conformity in subsistence level societies, J. Personality & Soc. Psychol, 67; Ecology, perceptual development, and the Muller-Lyer illusion, Brit. J. Psychol, 68; On cross-cultural comparability, Int. J. Psychol, 69. Address: Dept. of Psychology, Queen's University, Kingston, Ont, Can.
- BERRY, DR. PAUL C(ONRAD). Applied Psychology. See A-K Vol, 11th ed, Soc. & Behav. Vols. Change of address: IBM Research Center, P.O. Box 218, Yorktown Heights, N.Y. 10598.
- BERRY, DR. RALPH EDWARD, JR. Economics. See A-K Vol, 11th ed, Soc. & Behav. Vols. New position: Assoc. prof. econ, 69-, School of Public Health, Harvard University, 55 Shattuck St, Boston, Mass. 02115.
- BERRY, DR. SARA SWEETZ, b. Washington, D.C., Mar. 21, 40; m. 61. ECONOMICS. A.B., Radcliffe, 61; Woodrow Wilson fel, Michigan, 61-62, Orla B. Taylor fel, 63-64, M.A., 65, Am. Asn. Univ. Women fel, 66-67, Ph.D. (econ), 67. Lectr. ECON, INDIANA, BLOOMINGTON, 67-69, ASST. PROF, 69- Midwest Univs. Consortium Int. Activities res. grant, 69-70. Econ. Asn.; Afric. Studies Asn. Economic development in West Africa, especially roles of innovation and migration in the development of the cocoa economy of Western Nigeria. Publ: Christianity and the rise of cocoa growing in Ibadan and Ondo, J. Hist. Soc. Nigeria, 12/68; co-auth. Migrant labor and economic development, Oxford Econ. Papers, 4/70; auth. Cocoa and economic development in Western Nigeria, In: Growth and structural change in the Nigerian economy, Mich. State Univ. (in press). Address: Dept. of Economics, Indiana University, Bloomington, Ind. 47401.
- BERTHOLD, PROF. JEANNE SAYLOR. Counseling & Educational Psychology. See A-K Vol, 11th ed, Soc. & Behav. Vols. Change of address: Frances Payne Bolton School of Nursing, Case Western Reserve University, 2121 Abington Rd, Cleveland, Ohio 44106.
- BERTIN, DR. MORTON A. Psychology. See A-K Vol, 11th ed, Soc. & Behav. Vols. New position & address: Coordinator psychol. sci, 69-, Office of Naval Research, 219 S. Dearborn St, Chicago, Ill. 60604.
- BERTOCCI, PROF. PETER ANTHONY. Philosophy. See 5th ed, Dir. Am. Scholars, Vol. IV, Philos. Relig. & Law.
- BERTRAM, PROF. GORDON WILLIAM, b. Vancouver, B.C., Apr. 20, 23; m. 45; c. 3. ECONOMICS. B.A., British Columbia, 45; Ph.D. (economics), California, 57. Asst. prof. econ, Puget Sound, 53-58; Washington (Seattle), 58-59, assoc. prof. grad. sch. bus, 64-66; Calif. State Col. Los Angeles, 59-64; PROF.

- ECON. & CHMN. DEPT. VICTORIA (B.C.), 66- Nat. Sci. Found. award, Southern California, 61; Ford Found. faculty fel. econ. 63-64. Econ. Hist. Assn. Economic history and growth; labor economics. Publ: Consolidated bargaining in California construction, Inst. Indust. Reels, Univ. California, Los Angeles; The contribution of education to economic growth, Queen's Printer, 66; Economic growth in Canadian industry, 1870-1915: the staple model and the take-off hypothesis, Can. J. Econ. & Polit. Sci., 5/63. Address: Dept. of Economics, University of Victoria, Victoria, B.C., Can.
- BERTRAM, RUDOLF F (REDERICH). Economics. See A-K Vol, 11th ed, Soc. & Behav. Vols. New information: Retired, 69. Address: 520 Locust Hill Dr, Knoxville, Tenn. 37920.
- BESAG, DR. FRANK P. Sociology of Education, Urban Sociology. See A-K Vol, 11th ed, Soc. & Behav. Vols. New position & address: Assoc. prof., 69-, University of Washington, Miller Hall, Seattle, Wash. 98105.
- BESANCENCY, PAUL H. S.J. Sociology, Anthropology. See A-K Vol, 11th ed, Soc. & Behav. Vols. New position: Assoc. prof., 70-, Dept. of Sociology, John Carroll University, University Heights, Cleveland, Ohio 44118.
- BESCO, DR. ROBERT (ORIN). Psychology. See A-K Vol, 11th ed, Soc. & Behav. Vols. New information: Also independent human factors consult; lectr. inst. aerospace safety mgt, Southern California. Address: 4875 Elkridge Dr, Palos Verdes Peninsula, Calif. 90274.
- BESHES, PROF. JAMES M (ONAHAN). Sociology, Statistics. See A-K Vol, 11th ed, Soc. & Behav. Vols. New position & address: Prof., 68-, Dept. of Sociology, Queens College, City University of New York, 65-30 Kissena Blvd, Flushing, N.Y. 11367.
- BESNARD, DR. GUY (GERMAIN). Industrial Psychology. See A-K Vol, 11th ed, Soc. & Behav. Vols. New position: Assoc. v.pres. admin, Chico State Col., 68- Address: Route 2, Box 80, Chico, Calif. 95926.
- BESS, DR. H. DAVID, b. New Haven, Conn., Apr. 15, 39; m. 67. BUSINESS ADMINISTRATION. B.S., U.S. Merchant Marine Acad., 61; M.B.A., California, Los Angeles, 64, Ph.D. (bus. admin. & transportation), 67. Second mate, Hawaiian Tug & Barge Co. Ltd., 61-63; ASST. PROF. TRANSPORTATION & ASST. DEAN, COL. BUS. ADMIN. HAWAII, 67- Consult, Hawaiian Inter-Island Ferry Syst. Ltd., summer 67. U.S.N., 61-67, Lt. (jg). Transportation; management; economics. Address: College of Business Administration, University of Hawaii, 2500 Campus Rd., Honolulu, Hawaii 96822.
- BESSE, CLIFFORD S. S.J. Economics. See A-K Vol, 11th ed, Soc. & Behav. Vols. New position: Assoc. dean arts & sci., 67-, Xavier University, Evans-ton Station, Cincinnati, Ohio 45207.
- BEST, DR. PAUL JOSEPH, b. Bridgeport, Conn., July 10, 39; m. 68. POLITICAL SCIENCE. B.A., Fairfield, 61; M.A., Fordham, 63, M.A., 65; Ph.D. (polit. sci.), N.Y. Univ., 65. Pub. admin. intern, N.Y. State Dept. Civil Serv., 63-64; lectr. soc. sci., Brooklyn Col., 64-65, instr., 65-67, ASST. PROF., 68-69; POLIT. SCI. SOUTH CAROLINA STATE COL., 69; Polish Acad. Sci., 69. Res. ass., Kosciuszko Found., 67-68; summer, N.Y. Univ., summer, Poland, 66. Polit. Sci. Assn. Adv. Slavic Studies; Hist. Assn. East central Europe and the Soviet Union, especially in regard to Communist systems of government and ethnic and historical problems. Address: 40 Barnett St, New Haven, Conn. 06515.
- BETTISON, PROF. DAVID G. Social Anthropology, Sociology. See A-K Vol, 11th ed, Soc. & Behav. Vols. New position & address: Prof., 69-, Dept. of Sociology & Anthropology, University of Lethbridge, Lethbridge, Alta., Can.
- BETTS, DR. MERLE E (EDWARD). Agricultural Economics. See A-K Vol, 11th ed, Soc. & Behav. Vols. Change of address: 5304 Grant St, Omaha, Nebr. 68104.
- BEUTEL, PROF. F (FREDERICK) (KEATING). Law. See 5th ed, Dir. Am. Scholars, Vol. IV, Philos. Relig. & Law.
- BEVAN, DR. JOHN M. Physiological Psychology. See A-K Vol, 11th ed, Soc. & Behav. Vols. Correction: Acad. v.pres. & dean faculties, 67-, University of the Pacific, Stockton, Calif. 95204.
- BEVAN, DR. RUTH A. b. Brockton, Mass., Mar. 14, 40. POLITICAL SCIENCE. B.A., Grinnell Col., 61; German acad. exchange fel., Freiburg, 62-64; M.A., Massachusetts, 63; Ph.D., Univ. of Wisconsin, 69. Res. ass., POLIT. SCI., Massachusetts, 63; instr., YESHIVA COL., 67-69, ASST. PROF., 69- Summers, German Acad. Exchange Serv. res. grant, 68, Reim Found. res. grant, Ann Arbor, Mich., 69. Political theories on conservatism; Marxism and the contemporary New Left in Europe and the United States of America. Publ: Co-auth, Dictionary of political science, 64 & Handbook of world history: issues and concepts, 66, Philos. Library: Der konservatismus in der Amerikanischen politik, In: Politische Studien, Olzog, Munich, 66. Address: Yeshiva University, Amsterdam & 185th St, New York, N.Y. 10033.
- BEYER, GLENN H. Economics. See 11th ed, Soc. & Behav. Vols, deceased 69.
- BEYERS, DR. WILLIAM BJORN, b. Seattle, Wash., Mar. 24, 40; m. 68. GEOGRAPHY. B.A., Washington (Seattle), 62, Ph.D. (geog.), 67. ASST. PROF. GEOG. WASHINGTON (SEATTLE), 67- Consult, U.S. Forest Serv., 68-; Nat. Park Serv., 68- AAAS; Econ. Assn. Regional Sci. Industrial location theory: theories of regional economic structure and economic development. Publ: Economic impact study of Mt. Rainier and Olympic National Parks, Univ. Wash., 69. Address: Dept. of Geography, University of Washington, Seattle, Wash. 98105.
- BEYLE, DR. THAD (LEWIS). Political Science. See A-K Vol, 11th ed, Soc. & Behav. Vols. New position: Assoc. prof. polit. sci., North Carolina, Chapel Hill, 69- Address: 503 Landerwood Dr, Chapel Hill, N.C. 27514.
- BEYM, DR. RICHARD. Language Training & Administration. See 5th ed, Dir. Am. Scholars, Vol. III, For. Lang., Ling. & Philol.
- BEYRER, PROF. J (JOHN) BENJAMIN. Sociology. See 11th ed, Soc. & Behav. Vols, deceased 69.
- BHAGAT, DR. GOBERDHAN. International Relations. See A-K Vol, 11th ed, Soc. & Behav. Vols. New position: Prof. int. rels. & Asian studies, 69-, Dept. of Political Science, University of Mississippi, University, Miss. 38677.
- BHAGWATI, PROF. JAGDESH NATWARLAL, b. Bombay, India, July 26, 34. ECONOMICS. B.Com. Bombay, 54; M.A. Cambridge, 56; Oxford, 57-59; Ph.D. (econ), Mass. Inst. Tech., 67. Res. fel. econ. Nuffield Col., Oxford, 58-62; prof., Indian Statist. Inst., Delhi, 62-63; int. trade, sch. econ. Delhi, 63-66; vis. prof. ECON. Columbia, 66-67; PROF. MASS. INST. TECH., 68- Consult, UN Econ. Cmn. Asia & Far East; UN Cmt. on Trade & Develop.; UN Indust. Develop. Orgn; Orgn. Econ. Coop. & Develop.; Indian Ministries Finance & Commerce; Turkish State Planning Orgn. Publ: The economics of underdeveloped countries, Weidenfeld & Nicolson, Eng. & McGraw, N.Y., 66; Theory and practice of commercial policy, Princeton, 68; Trade, tariffs and growth, Weidenfeld & Nicolson, 69. Address: 52-280 B, Massachusetts Institute of Technology, Cambridge, Mass. 02139.
- BHARATI, PROF. AGEHANANDA. Anthropology. See A-K Vol, 11th ed, Soc. & Behav. Vols. Change of address: Dept. of Anthropology, Syracuse University, 943 S. Crouse, Syracuse, N.Y. 13210.
- BHATIA, PROF. SARVAN K. b. Lyallpur, India, Sept. 16, 30; m. 66. ECONOMICS. M.A. Punjab, India, 55; William Brewster fel. & Ph.D. (econ), Ohio State, 63. Prof. Econ. Univ. Syst. Ga., 64-65; vis. prof., N.C. Wesleyan Col., 65-66; PROF. ARMSTRONG STATE COL., 66- Lectr. econ. probs. & culture of India. Econ. Assn. Economic development and planning in underdeveloped nations. Publ: Development planning and growth, Edwards Bros., 70; Problem of theoretical approach in economic investigation, 65 & Development planning under duress, 68, Savannah Col. Ga. Address: Dept. of Economics, Armstrong State College, Savannah, Ga. 31406.
- BHUSHAN, DR. VIDYA, b. Sholoda, India, Jan. 5, 28; m. 66; c. 1. EDUCATIONAL PSYCHOLOGY. B.Sc. Agra, 49, M.Sc. 51; M.Ed. Lucknow, 58; Ed.D. (ed. psychol.), Indiana, 64. Lectr. math. R.R. Col. Pukhwa, 51-53; prin. A.N. Col. Alameda, 54-57; Hindu Col. Kandla, 58-61; res. asst. ed. Indiana, Bloomington, 63-64; res. assoc., Chicago, 64-66; asst. prof., Hawaii, 66-69; ASSOC. PROF. ED. LAVAL, 69- Fel. Univ. Chicago, 64-66; U.S. Off. Ed. grant, 68-69. Ed. Res. Assn. Effect of socioeconomic status on learning and programmed instruction. Publ: The effectiveness of two methods of teaching elementary matrix algebra, J. Exp. Ed., 66; Other methods, other lacunae. Contemporary Psychol., 67; Discrimination between a good and a poor essay, Behav. Sci., 68. Address: Faculty of Science & Education, University of Laval, Quebec 10, Que., Can.
- BIADASZ, CAPT. FRANCES ELIZABETH, U.S.N. Political Science, International Relations. See A-K Vol, 11th ed, Soc. & Behav. Vols. Position & address: Psychol. warfare officer, 69-, Staff of Commander-in-Chief Pacific, PPO San Francisco 96610.
- BIBB, DR. JOHN J (AMES), JR. b. Alexandria, Va., Aug. 16, 37; m. 67; c. 2. PSYCHOLOGY, EDUCATION. B.A., Virginia, 59, M.Ed., 60, Ph.D. (ed. counseling), 64. Instr. psychol., Mary Washington Col., Virginia, 61-62; dir. psychol. serv. & guid., Charlottesville-Pub. Sch. Syst., 62-65; asst. prof. ED. PSYCHOL. & COUNSEL, ED. MIAMI (FLA.), 65-68, ASSOC. PROF., 68- Vis. prof., Hopkins, summer 65. Psychol. Assn. Personnel & Guid. Assn. Measurement and evaluation of culturally different children—migrant youth, mentally retarded, culturally disadvantaged, emphasizing process contrasted with product. Address: School of Education, University of Miami, Coral Gables, Fla. 33124.
- BIBBY, DR. JOHN F. b. La Crosse, Wis., Aug. 26, 34; m. 58; c. 2. POLITICAL SCIENCE. B.S., Wis. State, La Crosse, 56; M.A., Illinois, 57; Ph.D. (polit. sci.), Wisconsin, 63. Fel. govt. Brookings Inst., 61-62; asst. prof. polit. sci., Wisconsin-Milwaukee, 62-63; Northern Illinois, 63-65; dir. arts & sci. Rep. Nat. Cmt., 65-66, admin. asst. to chmn., 66; asst. prof. POLIT. SCI., WISCONSIN-MILWAUKEE, 66-68, ASSOC. PROF., 68 DIR. RES. HOUSE REP. CONF., U.S. HOUSE REP. 69- Rep. Nat. Cmt. fel. Am. Polit. Sci. Assn., 65-66; summers, Rep. Nat. Conv. fel., Eagleton Inst. & Nat. Center for Ed. in Polts., 64, stat. specialist, cmt. on resolutions, Rep. Nat. Conv., 68. U.S.A., 57-58, Res. 58-63. Polit. Sci. Assn. Legislative behavior; political parties and elections. Publ: Co-auth, On Capitol Hill: studies in the legislative process, Holt, 67; auth, Committee characteristics and legislative oversight of administration, Midwest J. Polit. Sci., 2/66; co-auth, O-party strategy, In: Republican politics, Praeger, 68; auth, Dept. of Political Science, University of Wisconsin-Milwaukee, Milwaukee, Wis. 53201.
- BICKMAN, DR. LEONARD, b. New York, N.Y., July 11, 41; m. 65; c. 1. SOCIAL PSYCHOLOGY. B.S., City Col. New York, 63; M.A., Columbia, 65; Ph.D. (psychol.), City Univ. New York, 69. ASST. PROF. PSYCHOL. SMITH COL., 69- Psychol. Assn. Helping behavior; male-female relationships; field research. Publ: Co-auth, Beyond the laboratory, McGraw, (in press); Note: on the drawing power of crowds of different sizes, J. Personality & Soc. Psychol., 10/69; auth, The effect of social status on the honesty of others, J. Soc. Psychol., (in press). Address: Dept. of Psychology, Smith College, Northampton, Mass. 01060.
- BIDDLE, DR. PHILLIPS R. Rhetoric, Psychology. See 5th ed, Dir. Am. Scholars, Vol. II, Eng. Speech & Drama.
- BIDDULPH, DR. HOWARD LOWELL, b. Rexburg, Idaho, Mar. 28, 35; m. 57; c. 5. POLITICAL SCIENCE. B.S., Brigham Young, 59; M.A., Indiana, 61, Ford For. Area fel., 61-62, Ph.D. (govt. Russian studies), 66. Instr. POLIT. SCI., Rutgers, 62-66, ASST. PROF., 66-69; VICTORIA, 69- Rutgers res.

- grant, 68. Polit. Sci. Assn. Communist thought and politics; Soviet and comparative politics. Publ: Economics and Soviet foreign policy. In: Economic policy and its environment, Holt, 65. Address: 4312 Houlahan Place, Victoria, B.C., Can.
- BIEBUYCK, PROF. DANIEL P. D. Social & Cultural Anthropology. See A-K Vol, 11th ed, Soc. & Behav. Vols. New information: Also chmn, 69. In: Dept. of Anthropology, University of Delaware, 186 S. College Ave, Newark, Del. 19711.
- BIERE, DR. ARLO WILLIAM, b. Nebraska City, Nebr, Sept. 3, 41; m. 64; c. 1. AGRICULTURAL ECONOMICS, STATISTICS. B.S., Nebraska, 63; California, Davis, 63-64; M.A., California, Berkeley, 67, Ph.D. (agr. econ), 68. ASST. PROF. AGR. ECON. KANSAS STATE, 68- Agr. Econ. Assn; Statist. Assn; Economet. Soc; Econ. Assn. Stochastic processes and firm growth; river basin management; welfare economics of American agriculture. Address: Dept. of Economics, Kansas State University, Manhattan, Kans. 66502.
- BIERNAN, DR. RALPH, b. New York, N.Y., June 2, 33; m. 54; c. 3. PSYCHOLOGY, HUMAN RELATIONS. B.A. Yeshiva, 54; Ph.D. (psychol), State Univ. N.Y. Buffalo, 65. From staff psychologist to chief clin. psychologist, Psychiat. Clin. N.Y., 62-68, dir. res, 66-68; ASSOC. PROF. PSYCHOL, WATERLOO, 69. U.S.A., 57-59. Psychol. Assn. Counseling, child and family therapy; communication training. Publ: Dimensions of interpersonal facilitation in psychotherapy and child development, Psychol. Bull, 69; Personal interaction coding inventory, J. Can. Assn. Univ. Student Personnel Serv, 69; co-auth, Effects of training parents of emotionally disturbed children in interpersonal skills, J. Counseling Psychol, 69. Address: Dept. of Psychology, University of Waterloo, Waterloo, Ont, Can.
- BIESDORF, DR. HEINZ B(ERNARD). Economics. See A-K Vol, 11th ed, Soc. & Behav. Vols. New position: Assoc. prof. consumer econ. & pub. policy, 69-. College of Human Ecology, Cornell University, Ithaca, N.Y. 14850.
- BIGELOW, PROF. KARL W(ORTH). Social Science. See A-K Vol, 11th ed, Soc. & Behav. Vols. New information: No longer, dir. Afro-Anglo-Am. prog, Teachers Col, Columbia. Address: 525 W. 120th St, New York, N.Y. 10027.
- BIGELOW, DR. LLEWELLYN B. Psychiatry, Biochemistry. See Suppl. VI to 11th ed, Phys. & Biol. Vols.
- BIGGER, PROF. CHESTER H., b. Chicago, Ill, Dec. 2, 18; m. 42. c. 2. ECONOMICIS. B.S. Florida, 40; M.B.A. Miss. State, 62; Ph.D. (mgmt), Alabama, 69. Asst. prof. mgmt, Miss. State, 62-63; instr, Alabama, 63-64, fel, 64-66; assoc. prof. MONTEVALLO, 66-69, PROF. ECON. & ASSOC. DEAN COL. BUS, 69. U.S.A., 40-62, Lt. Col. Acad. Mgt. Management and accounting. Address: College of Business, University of Montevallo, Montevallo, Ala. 35115.
- BIGGER, PROF. WILLIAM RICHARD, b. Ashland, Wis, Mar. 17, 17; m. 50; c. 1. PUBLIC ADMINISTRATION, URBAN STUDIES. B.A., Wisconsin, 40, M.A., 41; Ph.D. California, Los Angeles, 53. Employment officer, Tenn. Valley Authority, 41-45; personnel asst, U.S. Bur. Budget, Wash. D.C., 45-47; res. analyst, California, Los Angeles, 48-52; PROF. PUB. ADMIN. & URBAN STUDIES, SAN DIEGO STATE COL, 52-, dir. inst. pub. & urban affairs & chmn. dept. polit. sci., 62-65. Vis. prof. & lectr, Tennessee & George Washington, 43-47; vis. prof. & assoc. res. prof, California, Los Angeles, 56-57. Spec. consult, Chancellor's Off, Calif. State Colls, 61; chief consult, San Diego Charter Rev. Cmn, 61-62 & 68-69. Planning cmnr, El Cajon, Calif, 63-69, chmn, 67-68. Soc. Pub. Admin; Polit. Sci. Assn; Nat. Munic. League. Political science, local government and politics; community organization. Publ: Co-auth, How the cities grew: a century of municipal independence and expansionism in metropolitan Los Angeles, Haynes Found, 52 & Metropolitan coast: urban development in San Diego and Orange Counties, California, Bur. Govt. Res, Univ. California, Los Angeles, 58; auth, Flood control in metropolitan Los Angeles, Univ. Calif, 59. Address: School of Public Administration & Urban Studies, San Diego State College, San Diego, Calif, 92115.
- BIGGS, DR. WALTER CLARK, JR. Zoology, Animal Behavior. See Suppl. VI to 11th ed, Phys. & Biol. Vols.
- BIGHAM, REV. THOMAS J(AMES). Theology, Psychology. See 5th ed, Dir. Am. Scholars, Vol. IV, Philos, Relig. & Law.
- BLIOU, PROF. SIDNEY W(ILLIAM). Psychology. See A-K Vol, 11th ed, Soc. & Behav. Vols. Change of address: Child Behavior Lab, University of Illinois, 403 E. Healey, Champaign, Ill. 61820.
- BILAS, DR. RICHARD A(LLEN). Economics. See A-K Vol, 11th ed, Soc. & Behav. Vols. New position & address: Prof. & chmn, Sept. 70, Dept. of Economics, California State College at Bakersfield, Bakersfield, Calif. 93304.
- BILEK, ARTHUR JOHN. Criminology. See A-K Vol, 11th ed, Soc. & Behav. Vols. New information: Chmn, Ill. Law Enforcement Cmn, 69-. prof. criminal justice, Illinois, Chicago, 69-. Address: Dept. of Criminal Justice, University of Illinois at Chicago Circle, Chicago, Ill. 60680.
- BILINSKY, PROF. YAROSLAV. Political Science. See A-K Vol, 11th ed, Soc. & Behav. Vols. New position: Prof, 69-. Dept. of Political Science, University of Delaware, Newark, Del. 19711.
- BILL, DR. JAMES ALBAN. Political Science. See A-K Vol, 11th ed, Soc. & Behav. Vols. Change of address: 3001 Lafayette Ave, Austin, Tex. 78722.
- BILLER, DR. HENRY B., b. Providence, R.I., Oct. 30, 40; m. 61; c. 3. CLINICAL & DEVELOPMENTAL PSYCHOLOGY. A.B., Brown, 62; U.S. Pub. Health Serv. fcls, Duke, 62-66 & 66-67, Ph.D. (psychol), 67. Clin. psychol. intern, Emma Pendleton Bradley Hosp, 65-66; ASST. PROF. PSYCHOL, Massachusetts, 67-69; George Peabody Col, 69-70; RHODE ISLAND, 70- Univ. Massachusetts Faculty Res. Coun. grant, 67-69, growth grant, summer 68; Nat. Inst. Ment. Health pub. health serv. res. grant, 68-69. Psychol. Assn; Soc. Res. Child Develop. Sex role development; familial antecedents of personality development; etiology, assessment, treatment and prevention of psychological problems related to inappropriate sex role development and paternal deprivation and inadequacy. Publ: Co-auth, Masculine development: an integrative review, Merrill Palmer Quart, 10, 67; auth, Father absence and the personality development of the male child, Develop. Psychol, 3, 70; co-auth, The father-daughter relationship and the personality development of the female, J. Genetic Psychol, 3, 70. Address: Dept. of Psychology, University of Rhode Island, Kingston, R.I. 02881.
- BILLERA, DR. LOUIS J(OSEPH). Mathematics. See Suppl. V to 11th ed, Phys. & Biol. Vols.
- BILLINGHAM, DR. CAROL JEAN. Economics, Psychology. See A-K Vol, 11th ed, Soc. & Behav. Vols. New information: Consult. economist, Leonard Refineries, Inc. Address: 10551 W. Tyler Rd, Sumner, Mich. 48869.
- BILLINGS, DR. LLOYD (CALVIN). Statistics. See A-K Vol, 11th ed, Soc. & Behav. Vols. New information: Ph.D. (econ), Arizona, 69. Assoc. prof. acct. & quant. anal. East. Wash. State Col, 69-. Address: 126 W. Second St, Cheney, Wash. 99004.
- BILLS, DEAN ROBERT E(DGAR). Psychology. See A-K Vol, 11th ed, Soc. & Behav. Vols. New information: Also res. prof, 69-. College of Education, University of Alabama, P.O. Box 1937, University, Ala. 35486.
- BILMES, PROF. MURRAY, b. Brooklyn, N.Y., Sept. 12, 27; m. 51; c. 3. PSYCHOLOGY, B.A., Brooklyn Col, 50; Ph.D. (psychol), N.Y. Univ, 55. Lectr, City Col. New York, 55-56; Cooper Union, 57; PROF. PSYCHOL, N.Y. SCH. PSYCHIAT, 58- Lectr, Brooklyn Col, 55-59; fel, postgrad. correction, N.Y. Univ, 60-63; lectr, State Univ. N.Y., 68. Consult, N.Y. Dept. Correction, 65; N.Y. Med. Col, 68-69; Hillside Hosp, 68- U.S.A., 48. Psychol. Assn. Adolescence and group process; cognitive functions. Publ: The delinquent, Arts & Sci, spring 65, Delinquents escape from conscience, Am. J. Psychother, 10/65 & Shame and delinquency, Contemporary Psychoanal, spring 67. Address: 370 Central Park W, New York, N.Y. 10025.
- BILODEAU, PROF. EDWARD A(LFRED). Psychology. See 11th ed, Soc. & Behav. Vols, deceased 68.
- BILSKY, DR. MAXWELL GEORGE, b. Flint, Mich, Oct. 31, 18; div. PSYCHOLOGY, EDUCATION. B.A., Hillsdale Col, 51; M.S. Michigan, 53, Ph.D. (ed. psychol), 63. Instr. ed. psychol, Michigan, 57-59; assoc. prof. ed. State Univ. N.Y. Col. Bialo, 59-63 & 64-66; George Washington, 63-64; Psychol. & ed, Publ. 66-68; PROF. PSYCHOL, MADISON COL, 69- Intel. C, U.S.A., 42-45. Psychol. Assn; Coun. Except. Children; Asn. Ment. Deficiency; Int. Soc. Gen. Semantics. Psychology of human learning; programmed instruction and teaching of reading. Publ: A validation study of a ninth grade grammar program, Univ. Mich, 63; Reading rate and visual shift, J. Ed. Res, 66. Address: Dept. of Psychology, Madison College, Harrisonburg, Va. 22801.
- BILSTEIN, DR. ROGER EUGENE. Modern United States History & Foreign Relations. See 5th ed, Dir. Am. Scholars, Vol. I, Hist.
- BINDMAN, DR. ARTHUR J(OSEPH). Clinical Psychology. See A-K Vol, 11th ed, Soc. & Behav. Vols. New position: Regional admin. ment. retardation, Mass. Dept. Ment. Health, 68- Address: 25 Crestview Rd, Belmont, Mass. 02178.
- BINGHAM, DR. JOSEPH LEO. Clinical & Industrial Psychology. See A-K Vol, 11th ed, Soc. & Behav. Vols. Change of address: 285 Madison Ave, New York, N.Y. 10017.
- BINHAMMER, DR. HELMUT HERBERT F., b. Argentine, S. Am, June 6, 27; Can. citizen; m. 57; c. 1. ECONOMICS. B.A., Western Ontario, 48; M.A., Queen's (Ont), 57; Earhart fel, McGill, 59-60; Ph.D. (econ), 61. Instr. actg. registr. & bus. adminstr, Waterloo Col, 50-55; lectr, ECON. Royal Mil. Col. (Ont), 55-58; McGill, 60-61; from asst. prof. to ASSOC. PROF. ROYAL MIL. COL. (ONT), 62- Can. Coun. summer fel, 65. Mem. Can. Tax Found. Am. Econ. Assn; Can. Econ. Assn. Publ: Co-auth, Canadian banking and monetary policy, McGraw, Can, 65; auth, Money, banking and the Canadian financial system, Methuen, 68. Address: Dept. of Economics, Royal Military College of Canada, Kingston, Ont, Can.
- BINTZ, DR. JOHN J., b. Waterloo, Iowa, March 16, 36; m. 60; c. 1. PSYCHOLOGY. B.S. Iowa, 64, M.A., 66, Nat. Inst. Ment. Health fel, 66-67, Ph.D. (psychol), 67. ASST. PROF. PSYCHOL, CALIFORNIA, Davis, 66- U.S.A., 55-58. Psychol. Assn. Memory; learning; motivation. Address: Dept. of Psychology, University of California, Davis, Calif. 95616.
- BIRCH, DR. JEREMY DIXON, b. Utica, N.Y., May 13, 37; m. 61; c. 2. PSYCHOLOGY. B.S. Hamilton Col, 59; M.A., Columbia, 64, Ph.D. (psychol), 66. ASST. PROF. PSYCHOL, Windham Col, 65-68; Arizona State, 68-69; WINDHAM COL, 69- AAAS; Psychol. Assn. Parameters of avoidance conditioning; stimulus control in free-operant behavior. Publ: Co-auth, Simple transducers to detect and record operant aptitude, J. Exp. Anal. Behav, 61 & Temporal and shock intensity parameters of free operant discriminated avoidance behavior, Am. Psychol, 1961, 64; auth, Differentiation of response characteristics during multiple fixed ratio extinction, Psychol. Reports, 64. Address: Dept. of Psychology, Windham College, Putney, Vt. 05346.
- BIRD, DR. MICHAEL CONRAD, b. Washington, D.C., Aug. 16, 39; m. 63; c. 2. ECONOMICS. B.A., West. Md. Col, 61; Ph.D. (econ), Colorado, 68. Teaching asst, CON. COL, 64-65; teaching asst, 66- vis. prof, Guadalajara, 66-68; ASST. PROF. COLO. COL, 68-. Chapman Fund res. grant, summer, 69 & 70. Latin American economic development. Publ: Human resource development and economic growth in the state of Jalisco, Mexico, Int. Econ. Studies

- Center, Univ. Colorado, 4/69. Address: Dept. of Economics, Colorado College, Colorado Springs, Colo. 80903.
- BIRD, MICHAEL D.** b. Vancouver, B.C. Sept. 21, 35; U.S. citizen; m. 58; c. 2. **ECONOMICS.** B.A. Williams Col. 57; M.A. Michigan, 59. **ECONOMIST.** U.S. Treas. Dept. 63-68; JOINT CMT. INTERNAL REVENUE TAXATION, U.S. CONG, 68- Meritorious serv. award, U.S. Treas. Dept. U.S.M.C.R. 57-63. Econ. Asn. Horizontal equity in the individual income tax. Address: 12525 Waido Lane, Silver Spring, Md. 20904.
- BIRNBAUM, PROF. NORMAN.** b. New York, N.Y. July 21, 26; c. 2. **SOCIOLOGY.** A.B. Williams Col. 47; fel. Harvard, 48-52; M.A. 51, Ph.D. (sociol.), 59; fels. Soc. Sci. Res. Con., Heidelberg, Mainz & Marburg, 52-53; M.A. Oxford, 60; M.A. Amherst Col. 69. Res. tutor, Harvard, 49-52; asst. lectr., London Sch. Econ. & Polit. Sci. 53-55, lectr. 55-59; fel. Nuffield Col. Oxford, 59-66; PROF. grad. faculty, New Sch. Soc. Res. 66-68; **SOCIOLOGY.** AMHERST COL. 68- Grants, Cent. Res. Fund, London, 56, Am. Philos. Soc. 58, Soc. Sci. Res. Con. 59, Rockefeller Found. 61-62, Rabinowitz Found. 66 & Ford Found. 67; vis. lectr. summer sch. Harvard, 59 & 62; vis. prof. Strasbourg, 64-66. Consult. Off. Ed. 69-70. Sociol. Asn. Soc. Sci. Study Relat.; Brit. Sociol. Asn.; Conf. Int. Conf. Sociol. Relig.; German Sociol. Asn. Studies in social theory, the comparative sociology of industrial societies; political sociology and the sociology of intellectual life as well as the sociology of religion. Publ. Co-auth. Sociology and religion, Prentice-Hall, 68; auth. The crisis of industrial society, Oxford, 69; The sociological analysis of ideology (1940-1960): a trend report and bibliography, Current Social, 60. Address: Dept. of Sociology, Amherst College, Amherst, Mass. 01002.
- BIRNBERG, DR. THOMAS BROOKS.** b. New York, N.Y. Feb. 11, 41; m. 66. **ECONOMICS.** B.A. Pomona Col. 62; Ph.D. (econ), California, Berkeley, 68. **ASST. PROF. ECON. YALE.** 68- Comparative development; econometrics. Address: Dept. of Economics, Yale University, New Haven, Conn. 06520.
- BIRNS, DR. LAURENCE RICHARD.** b. New York, N.Y. July 22, 29; div. c. 1. **POLITICAL SCIENCE, LATIN AMERICAN AFFAIRS.** B.S. Columbia, 55. Ph.D. 61; fel. Oxford, 55-61. Lectr. int. rels. City Univ. New York, 60-61; Asst. for. policy, Econ. Univ. London, 61-62; Col. Cairo, int. rels. San Jose State Col. 62-63; Latin Am. studies, Hamilton Col. 63-64. **LECTR. LATIN AM. STUDIES & INT. AFFAIRS.** NEW SCH. SOC. RES. 64. Lectr. Hunter Col. 66-67; N.Y. Univ. 68- Ford Found-State N.Y. Latin Am. Area Studies grant, 64, 67; fel. Inst. Policy Stud. 68- Inst. Strategic Stud.; Polit. Sci. Asn.; Acad. Polit. Sci. Latin America; international relations; comparative government. Publ. Co-auth. First book of the West Indies, Grolier, 68; auth. World areas today—Latin America, Harcourt, 68. Address: New School for Social Research, New York, N.Y. 10011.
- BISH, DR. ROBERT L.** b. Seattle, Wash. Sept. 29, 42. **ECONOMICS.** A.B. Southern California, 64; M.A. Indiana, Bloomington, 66, univ. fel. 67, Inst. Appl. Urban Econ. fel. 67-68. Ph.D. (econ), 68. **ASST. PROF. ECON. & PUB. AFFAIRS, WASHINGTON (SEATTLE).** 68- Econ. Asn.; Polit. Sci. Asn. Soc. Pub. Admin.; Pub. Choice Soc. Urban economics; state and local public finance; economic approaches to political science; state and local government organization. Publ. Public housing: the magnitude and distribution of direct benefits and effects on urban consumption, J. Regional Sci. 12/69. Address: Graduate School of Public Affairs, University of Washington, Seattle, Wash. 98105.
- BISHARA, DR. HALIM I.** b. Cairo, Egypt, Oct. 8, 23; Can. citizen; m. 62; c. 3. **BUSINESS FINANCE.** B.Com. Cairo, 51, M.Com. 56; M.B.A. Wisconsin, 60, Ph.D. bus. finance, 61. Teacher bus. admin. Trade Col. Cairo, int. 51-52; demonstr. Cairo, 52-55, asst. 55-57; statist. Wisconsin, 59-61; asst. prof. bus. admin. Cairo, Khartoum, 61-65, asst. prof. 65-66; asst. prof. finance & mkt. Memorial Univ. 66-68; **ASSOC. PROF.** bus. finance & investment, Dalhousie, 68-70; **BUS. FINANCE, SASKATCHEWAN.** 70- Participant, Asn. Can. Schs. Bus. summer 69. Publ. Government intervention impact on corporation, Prelim. J. Egypt, 56; Commercial banking system in Sudan, 64 & industrial development in Sudan in the last 100 years, 65, Prelim. J. Sudan. Address: College of Commerce, University of Saskatchewan, Saskatoon, Sask. Can.
- BISHOP, DR. CHARLES ALDRICH.** b. Kingston, Ont. Dec. 13, 35; m. 68. **ANTHROPOLOGY.** B.A. Toronto, 61, Can. Coun. scholar, 62, Ont. Prov. scholar, & M.A. 63; Ph.D. (anthrop.) State Univ. N.Y. Buffalo, 69. Asst. prof. ANTHROP. Fla. State, 67-69; Eastern New Mexico, 69-70; **ASSOC. PROF.** STATE UNIV. N.Y. COL. OSWEGO, 70- Summers, res. grants, Nat. Mus. Can. 69 & 70 & instnl. res. grant, Nat. Sci. Found. 70. Anthrop. Asn.; fel. Ethnol. Soc. Ethn. Soc. Nations Inequity Reservation; Northern Algonkian Archival. Publ. The northern Ojibwa: an ethnohistorical study, Nat. Mus. Can. (in press); The emergence of hunting territories among the northern Ojibwa, Ethnology, 1/70. Address: Dept. of Anthropology, State University of New York College at Oswego, Oswego, N.Y. 13126.
- BISHOP, PROF. F. MARIAN.** Sociology, Anthropology. See A-K Vol, 11th ed, Soc. & Behav. Vols. New position: Prof. 69-, Dept. of Community Health & Medical Practice, University of Missouri College of Medicine, Columbia, Mo. 65201.
- BISSENETTE, PRES. GEORGES (LOUIS).** Political Science. See A-K Vol, 11th ed, Soc. & Behav. Vols. New position: Pres. 68-, Assumption College, Worcester, Mass. 01609.
- BISWAS, DR. ASIT KUMAR.** b. Balasore, India, Feb. 25, 39. **ECONOMICS, WATER RESOURCES SYSTEM PLANNING.** B.Tech. Indian Institute of Tech. Kharagpur, 60, M.Tech. 61; Ph.D. (water resources), Strathclyde, 67. Asst. civil engr. Ward, Ashcroft & Parkman, U.K. 61-62; res. fel. hydraul. eng. Loughborough Univ. Tech. Eng. 62-63; lectr. water resources eng. Strathclyde, 63-67; vis. prof. water resource planning, Queen's (Ont), 67-68; **SR. RES. OFFICER, D.P.T. ENERGY, MINES & RESOURCES.** 68- Vis. prof. Ottawa, 68- **Sr. Civ. Engr. Int. Asn. Hydraulic Res. Brit. Inst. Civ. Eng.** Socio-economic simulation for water resources system planning and management; economics of water and environmental pollution abatement; perception and attitude of people to water development projects and problems; history of science. Publ. Socio-economic simulation for water resource systems planning, Int. Asn. Hydraul. Res. 69; History of hydrology, North-Holland Publ., Amsterdam, 70; The automatic rain gauge of Sir Christopher Wren, Philos. Trans. Royal Soc. London, 67. Address: 1356 Meadowlands Dr. E, Apt. 1102, Ottawa 5, Ont. Can.
- BIVEN, PROF. WILLIAM CARL.** b. Louisville, Ky. Jan. 11, 25; m. 59; c. 2. **ECONOMICS.** B.S. St. Mary's Col. (Ky), 45; M.A. St. Louis, 53, Ph.D. (econ), 56. Res. assoc. Econ. Emory, 58; asst. prof. CA. INST. TECH. 58-61. assoc. prof. 61-66, **PROFESSOR.** 66- Econ. Asn. Implications of macro-economic theory for public policy decisions. Publ. Economics and public policy, 66, Introduction to economics, 70 & ed. Readings in economics, 70, C.E. Merrill. Address: College of Industrial Management, Georgia Institute of Technology, Atlanta, Ga. 30332.
- BJORK, DR. RICHARD E.** Political Science. See A-K Vol, 11th ed, Soc. & Behav. Vols. New position & address: Pres. 69-, Richard Stockton State College, 1 Williams Plaza, Pleasantville, N.J. 08232.
- BJORK, DR. ROBERT A. (LLEN).** Experimental Psychology. See Suppl. VI to 11th ed, Phys. & Biol. Vols.
- BLACK, PROF. BERTRAM J.** Sociology. See A-K Vol, 11th ed, Soc. & Behav. Vols. New information: Prof. rehab. psychiat. Albert Einstein Col. Med. 69-, dir. ment. health rehab. serv. Bronx State Hosp. 69- Address: 45-52 Auburndale Lane, Flushing, N.Y. 11358.
- BLACK, DR. JOHN BUCHANAN.** b. Guelph, Ont. Can. Aug. 5, 40; m. 66; c. 1. **POLITICAL SCIENCE, INTERNATIONAL RELATIONS.** B.A. Western Ontario, 62, M.A. 64; Mackenzie King traveling fel. London Sch. Econ. 64-65, Can. Coun. fel. 68-69, Ph.D. (int. rels.), 69. Lectr. polit. sci. Western Ontario, summer 64; **POLIT. STUDIES, GUELPH.** 66-68, **ASST. PROF.** 68- Am. Polit. Sci. Asn.; Can. Polit. Sci. Asn.; Int. Studies Asn. International propaganda; mass media and politics in Canada, United States and the United Kingdom; post-1945 international politics; computerized information retrieval applications to political studies. Address: Dept. of Political Studies, University of Guelph, Guelph, Ont. Can.
- BLACK, PROF. KENNETH, JR.** Insurance. See A-K Vol, 11th ed, Soc. & Behav. Vols. New information: Dean sch. bus. admin. Ga. State, 69-, no longer chmn. dept. ins. Address: 2 Hanover West Court N.W., Atlanta, Ga. 30327.
- BLACK, PROF. ROGER WADE.** Experimental Psychology. See A-K Vol, 11th ed, Soc. & Behav. Vols. New position: Prof. 69-, Dept. of Psychology, University of South Carolina, Columbia, S.C. 29208.
- BLACK, DR. THEREL R.** b. Ferron, Utah, June 30, 17; m. 44; c. 3. **SOCIOLOGY.** B.S. Brigham Young, 39; M.A. La. State, 41; Ph.D. (sociol.), Wisconsin, 51. Instr. & asst. prof. **SOCIOLOGY, OKLA. State,** 46-49; from asst. prof. to PROF. UTAH STATE, 50-, **HEAD DEPT.** 66-, acting head, 65-66. Vis. asst. prof. Mich. State, summer 53. U.S.A. 42-46. Sociol. Asn.; Rural Sociol. Soc. Community structure and function; population studies. Publ. Co-auth. Community problems and group participation, 59 & Age and sex population projections of Utah counties, 12/65, Utah Agr. Exp. Sta. Bull.; auth. Formal social participation: method and theory, Rural Sci. J. 3/57. Address: Dept. of Sociology, Utah State University, Logan, Utah 84321.
- BLACK, PROF. THOMPSON, JR.** Political Science. See A-K Vol, 11th ed, Soc. & Behav. Vols. Change of address: Dept. of Political Science, California State College at Los Angeles, 5151 State College Dr. Los Angeles, Calif. 90032.
- BLACK, DR. WILLIAM RICHARD.** b. Brownsville, Pa. June 8, 42; m. 63; c. 2. **GEOGRAPHY.** B.Sc. California State Col. (Pa.) 64; M.A. Iowa, 66, Nat. Sci. Found. fel. 67-68, Ph.D. (geog.), 69. **ASST. PROF. GEOG. Miami (Ohio),** 68-69; **INDIANA, BLOOMINGTON.** 69- Asn. Am. Geog.; Regional Sci. Asn.; Am. Geog. Soc. Forecasting regional transportation network structure; analyses of the properties of optimal networks; urban travel behavior; locational classification systems. Address: Dept. of Geography, Indiana University, Bloomington, Ind. 47401.
- BLACKBURN, DR. ANTHONY.** b. Orpington, Eng. June 6, 38; Can. citizen; m. 69. **ECONOMIC GEOGRAPHY.** B.Sc. London, 59; M.A. Georgia, 61; Ph.D. (geog.) Toronto, 66. Lectr. GEOG. WINDSOR, 68-67, **ASST. PROF.** 67- Asn. Am. Geog.; Regional Sci. Asn. Industrial geography; transportation. Publ. Locational patterns of American-owned industries in Canada, Proc. Int. Geog. Union, 68; Transportation, communications and utilities in Ohio, Ohio Dept. Planning, 68. Address: Dept. of Geography, University of Windsor, Windsor, Ont. Can.
- BLACKBURN, PROF. (WILLIAM) BRUCE.** Psychology. See 11th ed, Soc. & Behav. Vols. deceased 68.
- BLACKER, DR. KAY H.** Psychiatry. See A-K Vol, 11th ed, Soc. & Behav. Vols. New position: Dir. grad. training, dept. psychiat. California, Davis, 69- Address: University of California, School of Medicine, Sacramento Medical Center, 2315 Stockton Blvd, Sacramento, Calif. 95817.
- BLACKMAN, DR. JOHN LEROY, JR.** b. Philadelphia, Pa. Aug. 12, 08; m. 64. **ECONOMICS.** A.B. Haverford Col. 30; M.A. Harvard, 48, Ph.D. (econ), 57. Instr. ECON. Simmons Col. 48- Northeastern 49-50; asst. prof. Bucknell, 57-59. **ASSOC. PROF. MASSACHUSETTS, AMHERST.** 60- U.S.N. 42-46, 50-52, Comdr. Econ. Asn. Indust. Rel. Res. Asn. Econ. Hist. Asn. Labor relations. Publ. Presidential seizure in labor disputes, Harvard, 67; Navy policy toward labor relations of its war contractors, Mil. Affairs, winter 54 & spring 55. Address: Hickory Lane, Amherst, Mass. 01002.
- BLACKMAN, DR. SHELDON.** b. Brooklyn, N.Y. Apr. 20, 35; m. 57; c. 2. **PSYCHOLOGY.** A.B. Princeton, 56; M.A. Ohio State, 58, Ph.D. 60. Res.

- psychologist, STATEN ISLAND MENT. HEALTH SOC., 63-64, asst. dir. ed. Soc. & Behav. Vols. 68- Consult. ed. Develop. Psychol., 69- U.S.A., 59-63, Capt. Psychol. Assn. Psychological measurement; small groups; community mental health. Publ. The application of multidimensional scaling to the measurement of cognitive patterning, *J. Gen. Psychol.*, 66; Deviance and position in the small group, *J. Soc. Psychol.*, 66; Some aspects of a theory of community mental health, *J. Community Ment. Health*, 68. Address: Staten Island Mental Health Society, 657 Castleton Ave., Staten Island, N.Y. 10301.
- BLACKMER, DR. DONALD (LAURENCE) M(ORTON). Political Science. See A-K Vol. 11th ed. Soc. & Behav. Vols. New information: No longer asst. dir. center int. studies, Mass. Inst. Tech. Address: Dept. of Political Science, E53-357, Massachusetts Institute of Technology, Cambridge, Mass. 02139.
- BLACKMIST, PROF. JAMES E(DWARD). Sociology. See A-K Vol. 11th ed. Soc. & Behav. Vols. New position & address: Assoc. prof., 69- Dept. of Sociology, Case Western Reserve University, Cleveland, Ohio 44106.
- BLAIN, DR. ROBERT C. b. Montreal, Que., Aug. 27, 35; m. 58; c. 4. SOCIAL & INDUSTRIAL PSYCHOLOGY. B.A. Manitoba, 55; B.Ph. Montreal, 56, M.A., 58, Ph.D. (psychol.), 60. Gen. mgr. serv. indust. Vols., 64-66; dir. personnel, Publ. Serv. Cmn., 66-68; REGIONAL ECON. EXPANSION, 68-70, DIR. HUMAN & SOC. ANAL., 70- Can. Psychol. Assn. (secy-treas., 69-). Address: Castelleau Rd., R.R. 2, Lucerne, Que., Can.
- BLAIR, DR. ALEXANDER (MARSHALL). Geography. See A-K Vol. 11th ed. Soc. & Behav. Vols. New position: Assoc. prof. & acting chmn., 69- Dept. of Geography, York University Faculty of Arts & Science, Toronto, 12, Ont., Can.
- BLAISDELL, DR. DONALD C(HRISTY). See A-K Vol. 11th ed. Soc. & Behav. Vols. New information: Retired, 67. Address: R.R. 1, Box 278, Laurel, Md. 20810.
- BLAKE, DR. BRIAN FRANCIS, b. Jersey City, N.J., Aug. 26, 42; m. 65; c. 1. PSYCHOLOGY. B.A., St. Peter's Col. (N.J.), 64; M.S., Purdue, 66, Ph.D. (psychol.), 69. ASST. PROF. PSYCHOL., Valparaiso, 68-69; ST. JOHN'S (N.Y.), 69- Psychol. Assn. Attitude change; impression formation; social psychology of the psychological experiment. Publ. Co-auth. Performance as a function of payment, commitment and task interest, *Psychonomic Sci.*, 69; auth. Dogmatism and new product acceptance, *J. Mkt. Res.*, 70; co-auth. Impression formation based on potentially invalid information, *Proc. Am. Psychol. Assn.*, 70. Address: Dept. of Psychology, St. John's University, Jamaica, N.Y. 11432.
- BLAKE, DR. DAVID H. Political Science. See A-K Vol. 11th ed. Soc. & Behav. Vols. New position & address: Asst. prof. bus. admin. & polit. sci., 69- Graduate School of Business, University of Pittsburgh, Pittsburgh, Pa. 15213.
- BLAKELEY, PROF. THOMAS JOHN. Contemporary Philosophy, Soviet Philosophy. See 5th ed. Dir. Am. Scholars, Vol. IV, Philos. Relig. & Law.
- BLAKELY, DR. WAYNE ALLEN. Religion. See 5th ed. Dir. Am. Scholars, Vol. IV, Philos. Relig. & Law.
- BLAKEMORE, GEORGE J(EFFERSON), JR. Statistics. See A-K Vol. 11th ed. Soc. & Behav. Vols. New position: Sr. math. statistician, instrumentation lab, Mass. Inst. Tech. 68- Address: 872 Massachusetts Ave., Apt. 707, Cambridge, Mass. 02139.
- BLANCHARD, DR. ROBERT E(UGENE). Industrial Psychology. See A-K Vol. 11th ed. Soc. & Behav. Vols. New position & address: Chief scientist, 68- Integrated Sciences Corp., 3122 Santa Monica Blvd., Santa Monica, Calif. 90404.
- BLANEY, DR. ROBERT W. Religion, Political Science. See 5th ed. Dir. Am. Scholars, Vol. IV, Philos. Relig. & Law.
- BLANK, DR. DAVID EUGENE, b. Brooklyn, N.Y., Oct. 28, 36; m. 68. POLITICAL SCIENCE. B.A., Brooklyn Col., 59; M.A., Yale, 61; Ph.D. (polit. sci.), Columbia, 69. Urban renewal consult, Urban Renewal & Housing Admin., P.R., 61-63; ASST. PROF. POLIT. SCI., Wis. State, 67-69; LOUISVILLE, 69- Polit. Sci. Assn.; Latin Am. Studies Assn. Latin America; urban government and planning. Publ. Co-auth. Comprehensive urban renewal program for the San Juan metropolitan area, Urban Renewal & Housing Admin., P.R., 63; auth. Venezuela: election fact book, December 1, 1968, *Opers. & Policy Res.*, D.C., 68; co-auth. Venezuela: prospects for the future, *Hopkins Univ.*, 68. Address: Dept. of Political Science, University of Louisville, Louisville, Ky. 40208.
- BLANK, DR. JOHN E. b. Cleveland, Ohio, Dec. 5, 42; m. 66; c. 1. ARCHAEOLOGY, PALAEOECOLOGY. B.S., Case Inst. Tech., 64, M.S., 67; Ph.D. (anthrop.), Massachusetts, 70. Teaching asst. ANTHROP., Massachusetts, 67-69, instr. summer 69; ASST. PROF. CLEVELAND STATE, 69- Nat. Park Serv. res. contract, Salt Creek Reservoir, 69- Soc. Am. Archaeol. North American archaeology and palaeoecology: culture history and palaeoecology in Ohio during archaic times: 8,000-2,000 B.C. Publ. Honey run site, In: *Studies in Ohio archaeology*, Western Reserve Univ., 67. Address: Dept. of Anthropology, Cleveland State University, Euclid Ave. at 24th St., Cleveland, Ohio 44115.
- BLANKENHEIMER, BERNARD. Economics. See A-K Vol. 11th ed. Soc. & Behav. Vols. New position: Commercial attaché, For. Serv. U.S. Dept. State, 68- Address: Johannesburg, Dept. of State, Washington, D.C. 20521.
- BLANKENSHIP, DR. LLOYD VAUGHN. Political Science, Sociology. See A-K Vol. 11th ed. Soc. & Behav. Vols. New information: Also chmn., 69- Dept. of Political Science, State University of New York at Buffalo, 4238 Ridge Lea Rd., Amherst, N.Y. 14226.
- BLASER, DR. ARTHUR (FREDERICK), JR. Economics. See A-K Vol. 11th ed. Soc. & Behav. Vols. New position: Financial attaché, U.S. Embassy, Rio de Janeiro, Brazil, 69- Address: American Embassy, APO New York 09676.
- BLASS, DR. ELLIOTT MARTIN, b. Brooklyn, N.Y., Sept. 10, 40; m. 66; c. 1. PHYSIOLOGICAL PSYCHOLOGY. B.S., Brooklyn Col., 63; M.S., Connecticut, 64; U.S. Pub. Health Serv. fel., Virginia, 66-67; Ph.D. (psychol.), 67. U.S. Pub. Health Serv. fel. Inst. Neurol. Sci., Pennsylvania, 67-69; ASST. PROF. PSYCHOL., HOPKINS, 69- Neurological physiological and motivational bases of thirst, hunger, and temperature regulation. Publ. Separation of cellular from extracellular controls of drinking in rats by frontal brain damage, *Science*, 162: 1501; co-auth. Primary hyperdipsia in the rat following septal lesions, 70; 87 & co-auth. Additivity of effect and interaction of a cellular and extracellular stimulus of drinking, 70; 200, *J. Comp. Physiol. & Psychol.* Address: Dept. of Psychology, Johns Hopkins University, Baltimore, Md. 21218.
- BLASS, WALTER P(AUL). Economics. See A-K Vol. 11th ed. Soc. & Behav. Vols. New position: Asst. v.pres., N.Y. Tel. Co., 69- Address: 6 Casale Dr., Warren, N.J. 07060.
- BLAU, DR. BURTON I. b. Elizabeth, N.J., Mar. 6, 38; m. 60; c. 1. CLINICAL PSYCHOLOGY. B.A., Rutgers, 60; M.A., Southern Illinois, 64, Ph.D. (psychol.), 66. Instr. psychol., Southern Illinois, 65-66; psychologist, Dept. Ment. Health, Ill. 66-67; ASST. PROF. PSYCHOL., TENNESSEE, KNOXVILLE, 67- Psychol. Assn. Factors influencing learning of social behaviors in children; modification of social status. Address: Dept. of Psychology, University of Tennessee, Knoxville, Tenn. 37916.
- BLAU, DR. ZENA S(MITH). Sociology. See A-K Vol. 11th ed. Soc. & Behav. Vols. New position: Assoc. prof. sociol., Northwestern, 69- Address: 5737 S. Dorchester, Chicago, Ill. 60637.
- BLAYNEY, DR. KEITH DALE, b. Anamosa, Iowa, Feb. 8, 37; m. 58; c. 2. HEALTH & HOSPITAL ADMINISTRATION. B.S., Iowa, 59, M.A., 61, Ph.D. (hosp. & health admin.), 66. Instr. mgt., Eastern New Mexico, 63-64; hosp. admin., Iowa, 64-66; ASSOC. PROF. SCH. HEALTH SERV. ADMIN., ALABAMA, BIRMINGHAM, 66- DIR. BUR. RES. & COMMUNITY SERV., 67-; AS- SOC. PROF. PUB. HEALTH & EPIDEMIOLOGY, MED. COL. ALA., 69- Dir. Univ. Alabama Hosps. & Clinics, 69-70; dir. sch. health serv. admin., Alabama, Birmingham, 66-70. Mem. Appalachian Health Planning Cmn., 66-; Nat. Adv. Cmn. Allied Health Ed. to Secy. Finch, 70-74. Med. Serv. C. U.S.A.F., 61-64, Capt. Col. Hosp. Adminstr.; Pub. Health Assn.; Asn. Am. Med. Vols. Arcarewide health planning; postgraduate medical education, especially directors of medical education; evaluation of medical care; health manpower. Publ. How much are hospital administrators paid, *South. Hosps.*, 1/67; A national study of directors of medical education, *J. Med. Ed.*, 7/67; A methodology for compensating hospital administrators, *South. Hosps.*, 5/70. Address: School of Health Services Administration, University of Alabama, 1919 Seventh Ave. S., Birmingham, Ala. 35233.
- BLEICHER, PROF. SAMUEL A(BRAM). Law, International Affairs. See 5th ed. Dir. Am. Scholars, Vol. IV, Philos. Relig. & Law.
- BLICKSILVER, PROF. JACK. Economic & Business History. See 5th ed. Dir. Am. Scholars, Vol. I, Hist.
- BLISS, DR. HOWARD. Political Science. See A-K Vol. 11th ed. Soc. & Behav. Vols. New position & address: Asst. prof. 69- Dept. of Political Science, Vassar College, Poughkeepsie, N.Y. 12601.
- BLITSTEN, DR. DOROTHY R. Sociology. See A-K Vol. 11th ed. Soc. & Behav. Vols. Change of address: 1 Strawberry Hill Court, Stamford, Conn. 06902.
- BLOCH, DR. DONALD ALAN. Psychiatry. See A-K Vol. 11th ed. Soc. & Behav. Vols. New position & address: Dir. res., 68- Austen Riggs Center, Inc., Stockbridge, Mass. 01262.
- BLOCH, DR. HOWARD R. b. Bavaria, Germany, Apr. 22, 36; U.S. citizen; m. 62; c. 2. ECONOMICS. B.A., Duke, 58; M.A., Princeton, 60, Ph.D. (econ.), 64. Instr. ECON., Dartmouth Col., 62-64; ASST. PROF. LAWRENCE, 64-69; GEORGE MASON COL., 69- Econ. Assn.; Indust. Res. Assn. Labor economics and industrial relations. Publ. An analysis of the use of arbitration to settle a major labor dispute, *Personnel J.*, 2/69; Modifying collective bargaining to protect the public interest, *J. Va. Soc. Sci. Assn.*, spring 70 & Emergency disputes—a possible solution, *Personnel Admin.*, summer 70. Address: 8827 Southwick St., Fairfax, Va. 22030.
- BLOCH, PROF. JULIUS M(ARCUS). American History. See 5th ed. Dir. Am. Scholars, Vol. I, Hist.
- BLOCK, DR. CARL ERIC, b. Cleveland, Ohio, Mar. 8, 36; m. 56; c. 2. MARKETING. B.B.A., Western Reserve, 56, M.B.A. (Ph.D. bus. admin.), Iowa, 69. Instr. mkt. Northern Michigan, 61-63; Western Reserve, 63-65; ASST. PROF. MKT. & FACULTY RES. ASST., MISSOURI-COLUMBIA, 67- Mkt. Assn. Consumer behavior and protection; marketing communication; ghetto marketing. Publ. Industrial relations research: needs and suggestions, *Personnel J.*, 4/68; co-auth. Some findings regarding recall of brand marks, *South. J. Mkt.*, fall 69; auth. Communicating with the urban poor: an exploratory inquiry, *Journalism Quart.*, spring 70. Address: 808 Edgewood Ave., Columbia, Mo. 65201.
- BLOCK, DR. CLIFFORD HAROLD, b. Buffalo, N.Y., Feb. 24, 34; m. 61; c. 2. PSYCHOLOGY, EDUCATION. B.A., Rochester, 55; Soc. Sci. Res. Coun. fel., Yale, 55-56, Ph.D. (psychol.), 63. Res. psychologist, Nat. Inst. Ment. Health, 61-63; Congressional fel. polit. sci., Am. Polit. Sci. Assn., 63-64; spec. asst. legist. & polit. res., U.S. Senate, 64-65; develop. res. & anal., U.S. AGENCY INT. DEVELOP., 65-66, res. officer ED. TECH. & RES., 66-69, COORDINATOR, 69- Consult, VISTA, U.S. Off. Econ. Opportunity, 65; President's Task Force on Commun. Policy, 67-68; American Univ. & UNESCO,

- 69- AAAS; Psychol. Assn; Polit. Sci. Assn; Ed. Res. Assn. Educational technology; social change and national development; educational planning; educational and policy research relation to developing countries; evaluation; cognitive processes; attitude research; psychology and sociology of politics. Publ. Co-auth. Does group participation when using brainstorming facilitate or inhibit creative thinking. Admin. Sci. Quart. 33: 43-47. Satellite communications and educational TV in less developed countries. In: Working papers, President's task force on communications policy, U.S. Govt. Printing Off. 12/68 & Report of evaluation mission in educational TV. Vol. III. In: Program of educational TV for the Ivory Coast, UNESCO, 10/69. Address: Association for International Development, U.S. Dept. of State, Washington, D.C. 20523.
- BLOCK, DR. JAMES D(AVID). Psychology. See A-K Vol. 11th ed, Soc. & Behav. Vols. New position: Dir. clin. studies, Malmonides Med. Center, 69- Address: 510 E. 86th St, New York, N.Y. 10028.
- BLOCK, DR. RICHARD L., b. Cincinnati, Ohio, July 4, 44; m. c. 1. SOCIOLOGY. B.A. Ohio State, 65; M.A. Chicago, 67, Ph.D.(psychol), 69. ASST. Prof. Co-auth. Does group participation when using brainstorming facilitate or inhibit creative thinking. Admin. Sci. Quart. 33: 43-47. Satellite communications and educational TV in less developed countries. In: Working papers, President's task force on communications policy, U.S. Govt. Printing Off. 12/68 & Report of evaluation mission in educational TV. Vol. III. In: Program of educational TV for the Ivory Coast, UNESCO, 10/69. Address: Association for International Development, U.S. Dept. of State, Washington, D.C. 20523.
- BLOCKER, DR. CLYDE E(DWARD). Psychology. See A-K Vol. 11th ed, Soc. & Behav. Vols. Change of address: 4700 Hunt Circle, Harrisburg, Pa. 17110.
- BLOME, DR. DONALD ARTHUR, b. Iowa City, Iowa, Dec. 28, 32; m. 54; c. 3. GEOGRAPHY. B.A., Iowa, 58, M.A., 62, Ph.D.(geog), 63. Asst. prof. geog. & commun. develop. Mich. State, 62-67; vss. asst. prof. GEOG. Indiana, 67-68. ASST. PROF. KENTUCKY, 68- U.S.A., 54-56. Assn. Am. Geog. Regional Sci. Assn. Mathematical modeling of spatial phenomena, particularly the urban-economic phenomena within Appalachia. Publ. Map transformation of the time-distance relationships in the Lansing tri-county area, Ekistics, 64. Address: Dept. of Geography, University of Kentucky, Lexington, Ky. 40506.
- BLOOD, DR. DWIGHT M(ELVIN). Economics. See A-K Vol. 11th ed, Soc. & Behav. Vols. New position and address: Head, 70-, Dept. of Economics, Utah State University, Logan, Utah 84321.
- BLOOD, DR. MILTON R(AY), b. Meadville, Pa, Aug. 3, 38; m. 62. PSYCHOLOGY. B.S., Indiana State, 60; Michigan, 61; Ball State, 62. B.A., Centre Col., 64; M.A., Illinois, 66, Ph.D.(indust. psychol), 68. ASST. PROF. PSYCHOL. CALIFORNIA, BERKELEY, 68- Psychol. Assn. Motivations of industrial workers and of professionals; techniques of performance appraisal. Address: Dept. of Psychology, University of California, Berkeley, Calif. 94720.
- BLOOD, PROF. ROBERT O(SCAR), JR. Sociology. See A-K Vol. 11th ed, Soc. & Behav. Vols. New position & address: Faculty, 69-, Pendle Hill School, 338 Plush Mill Rd, Wallingford, Pa. 19086.
- BLOODSTEIN, PROF. OLIVER, b. New York, N.Y. Dec. 2, 20; m. 41; c. 2. SPEECH PATHOLOGY. B.A., City Col. New York, 41; M.A., Iowa, 42, Ph.D. (speech path), 48. PROF. SPEECH, BROOKLYN COL., 48- U.S.A., 43-45, 7/Sept. Speech & Hearing Assn. Address: Publ. A handbook on stuttering, 1958. Crippled Children and Adults, 69. Hypothetical conditions under which stuttering is reduced or absent, J. Speech & Hearing Disorders, 6/50; Stuttering as an anticipatory struggle reaction, In: Stuttering: a symposium, Harper, 58. Address: Dept. of Speech, Brooklyn College, Bedford Ave. & Ave. H, Brooklyn, N.Y. 11210.
- BLOOM, DR. J(OE) M(ORRIS). Comparative Psychology. See Suppl. V to 11th ed, Phys. & Biol. Vols.
- BLOOM, DR. MARTIN. Social Psychology. See A-K Vol. 11th ed, Soc. & Behav. Vols. New position: Assoc. prof., grad. sch. vss. serv. & dir. center, soc. work/soc. sci. Interchange, Indiana Univ-Purdue Univ, 69- Address: 608 E. 46th St, Indianapolis, Ind. 46205.
- BLOOM, RICHARD FREDRIC. Physics, Engineering. See Suppl. V to 11th ed, Phys. & Biol. Vols.
- BLOOM, DR. VICTOR, b. New York, N.Y., Aug. 17, 31; m. 54; c. 2. PSYCHIATRY. B.S., Michigan, 53, M.A., 57. Instr. Sinal Hosp. Detroit, Mich. 57-58; res. psychiatrist, Lafayette Clinic, Detroit, Mich. 58-61; instr. PSYCHIAT, SCH. MED. WAYNE STATE, 61-63, ASST. PROF. 63- Consult, dept. psychiatrist, med. sch., Michigan, 68-69. Assn. Adv. Psychother; fel. Psychiat. Assn; fel. Group Psychother. Assn; Am. Med. Assn. A handbook on stuttering, 1958. Crippled Children and Adults, 69. Hypothetical conditions under which stuttering is reduced or absent, J. Speech & Hearing Disorders, 6/50; Stuttering as an anticipatory struggle reaction, In: Stuttering: a symposium, Harper, 58. Address: Dept. of Speech, Brooklyn College, Bedford Ave. & Ave. H, Brooklyn, N.Y. 11210.
- BLOOM, DR. VICTOR, b. New York, N.Y., Aug. 17, 31; m. 54; c. 2. PSYCHIATRY. B.S., Michigan, 53, M.A., 57. Instr. Sinal Hosp. Detroit, Mich. 57-58; res. psychiatrist, Lafayette Clinic, Detroit, Mich. 58-61; instr. PSYCHIAT, SCH. MED. WAYNE STATE, 61-63, ASST. PROF. 63- Consult, dept. psychiatrist, med. sch., Michigan, 68-69. Assn. Adv. Psychother; fel. Psychiat. Assn; fel. Group Psychother. Assn; Am. Med. Assn. A handbook on stuttering, 1958. Crippled Children and Adults, 69. Hypothetical conditions under which stuttering is reduced or absent, J. Speech & Hearing Disorders, 6/50; Stuttering as an anticipatory struggle reaction, In: Stuttering: a symposium, Harper, 58. Address: Dept. of Speech, Brooklyn College, Bedford Ave. & Ave. H, Brooklyn, N.Y. 11210.
- BLOOM, DR. WALLACE. Psychology. See A-K Vol. 11th ed, Soc. & Behav. Vols. New position: Chief psychologist, Child Guid. Clin. Wilford Hall Med. Center, U.S. Air Force Hosp, 68- Address: 133 Twineleaf Lane, San Antonio, Tex. 78213.
- BLOUNT, DR. WILLIAM R., b. Shelbyville, Ind, Mar. 1, 41; m. 63; c. 1. PSYCHOLOGY. A.B., Valparaiso, 63; M.A., Northern Illinois, 65; Nat. Inst. Child Health & Human Develop. fel. George Peabody, 65-68, Ph.D.(psychol), 69. Assn. psychol. Northern Illinois, 63-65; instr. Valparaiso, summer 65; RES. ASST. PROF. PSYCHOL. & SPEC. ED. STATE FLORIDA, 68- Eval. consult. comm. community rels. youth bd. prof. City of Tampa, Fla. 69. Psychol. Ment. Deficiency Soc. Reg. Child Develop. Concept usage and concept formation; verbal learning; language; mental retardation. Publ. Naive male retardates and U.S. money: an exploratory study, Am. J. Ment. Deficiency, Vol. 72: 487-491; Concept usage research with the mentally retarded, Psychol. Bull. 68; STM in retardates as a function of direction and level of recall, Psychonomic Sci, Vol. 14: 69-70. Address: INSTITUTE III: Educational Children & Adults, University of South Florida, Tampa, Fla. 33620.
- BLOOM, DR. BRUCE, b. Yakima, Wash, Aug. 19, 38; m. 68. PSYCHOLOGY. B.A., York, 61; M.S. Washington Seattle, 62, Ph.D.(psychol), 66. U.S. Pub. Health Serv. fel. 66-68; ASST. PROF. PSYCHOL. YANDELLIT, 68- AAAS; Psychol. Assn. Measurement; personality; clinical psychology. Publ. Factorial rotation to simple structure and maximum similarity, 6/68 & A note on invariance in three mode factor analysis, 9/68, Psychometrika; Effects of anger-arousing instructions on personality questionnaire performance, 1968. Psychol. Measurement, autumn 68. Address: Dept. of Psychology, Vanderbilt University, Nashville, Tenn. 37203.
- BLUBAUGH, DR. JON A(LFRED). Communication, Education. See 5th ed, Dir. Am. Scholars, Vol. II, Eng, Speech & Drama.
- BLUESTEIN, DR. VENUS W. Psychology, Education. See A-K Vol. 11th ed, Soc. & Behav. Vols. New position: Assoc. prof., 70-, Dept. of Psychology, University of Cincinnati, Cincinnati, Ohio 45221.
- BLUM, PROF. GERALD S. Psychology. See A-K Vol. 11th ed, Soc. & Behav. Vols. New position & address: Prof. & chmn. 68-, Dept. of Psychology, University of California, Santa Barbara, Calif. 93106.
- BLUM, DR. RICHARD H(OSMER). Psychology. See A-K Vol. 11th ed, Soc. & Behav. Vols. Change of address: Volcano Ranch, P.O. Box 4012, Woodside, Calif. 94062.
- BLUMBERG, DR. HERBERT HASKELL, b. Philadelphia, Pa, Dec. 8, 41. SOCIAL PSYCHOLOGY. A.B. Haverford Col., 63; M.A., Hopkins, 65, Nat. Sci. Found. fel. 66-67, Ph.D.(psychol), 67. Instr. psychol, Wilson Col., 67-68. Asst. prof. CENTER NONVIOLENT CONFLICT RESOLUTION, HAVERFORD COL., 69- Res. psychologist, inst. psychiat, Univ. London, 69- Psychol. Assn. Social cognition; nonviolent resolution of conflict; social research methodology. Publ. Co-ed, Nonviolent direct action: American cases, social-psychological analyses, Corpus Bks, 68; auth. On being liked more than you like, J. Personality & Soc. Psychol., 11: 121-128. Evaluation of rating scale formats, Personnel Psychol., 19: 243-259. Address: Center for Nonviolent Conflict Resolution, Haverford College, Haverford, Pa. 19041.
- BLUME, DR. FRANK REINHART, b. Stuttgart, Germany, Feb. 12, 32; U.S. citizen; m. 57; c. 4. B.A., Oberlin Col., 53; M.A., Boston, 57; Ph.D.(soc. psychol), Claremont Grad. Sch., 66. Res. asst. exp. psychol, Mass. Inst. Tech., 56-57; instr. psychol, SAN BERNARDINO VALLEY STATE COL., 57-60, asst. prof., 60-64, chmn. dept. psychol., 64-66, CHMN. DIV. SOC. SCI., 66- Lectr., Redlands, 58 & 60; Calif. State Col. San Bernardino, 69; mem. staff, Center for Study of the Person, La Jolla, 70. Ment. health consult. Mass. Dept. Ment. Hyg. 66; consult, Brooks-Cole Pub. Co., 66-68; SAN Bernardino County Housing Auth., 67. U.S.A., 53-55. Psychol. Assn; Soc. Psychol. Study Social Issues. Attitude change, particularly in reference to minorities; personality changes through encounter group experiences. Publ. Isotery felt psychology ASST. 62-63; instr. psychol; Brooks-Cole, 66. Address: 109 E. Fern Ave, Redlands, Calif. 92373.
- BLUME, DR. PAUL ROUNTREE, b. Springfield, Mo, May 15, 41; m. 63; c. 2. ECONOMICS. A.B. Drury Col., 63; M.S. Okla. State, 67, Ph.D.(econ), 68. ASST. PROF. ECON., HANOVER COL., 68- Econ. status and training of American Indians. Address: Dept. of Economics, Hanover College, Hanover, Ind. 47243.
- BLUMSTEIN, DR. ALEXANDER DAVID, b. New York, N.Y., Aug. 17, 40; m. 67; c. 1. SOCIOLOGY. B.A., Mich. State, 53; fel. & M.A., Washington, 55, Ph.D.(sociol), 68. Instr. SOCIOL, Missouri-St. Louis, 66-67; lectr., Queens Col.(N.Y.), 67-68, ASST. PROF. 68-69; BOSTON, 69-, grad. sch. grant, 69-70. Sociology of knowledge and leisure; sociolinguistics; symbolic interaction; social theory; social psychology; ethnomethodology. Publ. Constructing personal knowledge: the problem of intimacy and interpersonal trust, In: Existential sociology, Appleton, 68. An ethos of intimacy, In: Deviance and respectability: the social construction of moral meanings, Basic Books, 70. Address: Dept. of Sociology, Boston University, Boston, Mass. 02215.
- BLUMENFELD, DR. IRVING JACK. Electroencephalography, Psychiatry. See Suppl. VI to 11th ed, Phys. & Biol. Vols.
- BLUMROSEN, PROF. ALFRED W. Law. See 5th ed, Dir. Am. Scholars, Vol. IV, Philos, Refg. & Law.
- BLUMSTEIN, DR. PHILIP WHITNEY, b.

Co-auth. History of American financial institutions. Random. (In press) & Velocity and its determinants. Fed. Reserve Bank N.Y. 70. Address: Dept. of Economics, California State College at Dominguez Hills, 1000 E. Victoria St, Dominguez Hills, Calif. 90247.

BLYTH, DR. JOHN WILLIAM. Philosophy. See 5th ed, Dir. Am. Scholars, Vol. IV, Philos. Relig. & Law.

BOAL, PROF. ROBERT STUART. b. West Elizabeth, Pa. Mar. 24, 12; m. 42; c. 5. **AGRICULTURAL ECONOMICS.** B.S. Pa. State, 34; M.S. West Virginia, 40. Acct. Fed. Land Bank, Baltimore, Md. 34-35, Home Owners Loan Corp. 35-39; statist. & acct. Aluminum Co. Ala. Pittsburgh, 36-39; asst. off. mgr. Boston, 39-43; from asst. ext. economist to ext. economist, West Virginia, 43-56; asst. sales mgr. & asst. gen. mgr. Am. Nat. Foods & Am. Nat. Growers Corp. 56-58; **ASSOC. PROF. ECON. & EXT. ECONOMIST,** NORTH CAROLINA, RALEIGH, 58-. Consult. ed, Cooperative Digest, 67-; ed, News-letter, Nat. Soc. Acct. for Cooperatives, 70. Marketing agricultural products; cooperative organization and development; farm management; accounting; urban renewal; pollution control; public policy; taxation. Publ: Allocation of net worth of Haywood Milk Producers, 65, Urban-rural challenges to cooperative, 68 & Legal status, classification and listing of North Carolina Cooperative, 70. N.C. State Univ. Address: Box 5576 State College Station, North Carolina State University, Raleigh, N.C. 27607.

BOBBITT, DR. JOSEPH M (MATTHEW). Psychology. See A-K Vol. 11th ed, Soc. & Behav. Vols. New position & address: Asst. dir. behav. sci, 69-. Office of Planning & Evaluation, National Institute of Child Health & Human Development, Bethesda, Md. 20014.

BOBBITT, DR. RUTH A. b. Omaha, Neb. June 15, 15; m. 35; c. 2. **PSYCHOLOGY.** B.A. Denver, 37; M.A. Mills Col. 39; Ph.D. (psychol.) Iowa, 47. Indust. psychologist & asst. personnel mgr. Marshall Field Co. Chicago, Ill. 39-43; res. & clin. asst. psychol. Univ. Iowa, 43-46; consult. clin. psychol. soc. & private agencies, Pittsburgh, Pa. 46-48; instr. psychol. at WASHINGTON (SEATTLE), summers 49 & 51. **CORE STAFF MEM. REGIONAL PRIMATE RES. CENT.** 61-. **RES. DESIGN CONSULT.** 68-. Lectr. Washington (Seattle), 61-62, asst. res. prof. 62-67, assoc. res. prof. 67-. Psychol. Asn. Methods for behavioral measurement, using quantitative and reliable observational techniques, which permit computer determination of patterns and sequences of social interaction. Publ: Co-auth. Development and application of an observational method: a pilot study of the mother-infant relationship in pigtail monkeys, J. Genetic Psychol. 105: 257-274. The dynamics of social interactive behavior: a computerized procedure for analyzing trends, patterns, and sequences, Psychol. Bull. 71: 110-121 & Communication between young mental retardates and their mothers, Child Develop. 9/69. Address: Dept. of Psychiatry, University of Washington, Seattle, Wash. 98105.

BOBILIN, DR. ROBERT T. Religion, Sociology. See 5th ed, Dir. Am. Scholars, Vol. IV, Philos. Relig. & Law.

BOBROW, DR. DANIEL G. Cybernetics, Mathematics. See A-K Vol. 11th ed, Soc. & Behav. Vols. New position: Dir. computer sci. div. 69-, Bolt, Beranek & Newman, Inc. 50 Moulton St, Cambridge, Mass. 02138.

BOBROW, DR. DAVID BERNARD. Political Science. See A-K Vol. 11th ed, Soc. & Behav. Vols. New position & address: Acting dir. behav. sci, 69. Advanced Research Projects Agency, Room 3D167, The Pentagon, Washington, D.C. 20301.

BOCK, DR. PHILIP KARL. b. New York, N.Y. Aug. 26, 34; m. 57; c. 3. **CULTURAL ANTHROPOLOGY.** A.B. Fresno State Col. 55; Woodrow Wilson fel. & M.A. Chicago, 56; univ. fel. & Ph.D. (soc. anthropol.) Harvard, 63. Summers, res. asst. tri-ethnic proj. Nat. Sci. Found. Colorado, 59, Nat. Inst. Ment. Health, sch. pub. health, Harvard, 60; asst. dir. pub. hrs. Nat. Corp. N.Y. 60-61; res. assoc. Algonquin Proj. Nat. Mus. Can. 61; from asst. prof. to **ASSOC. PROF. ANTHROP.** NEW MEXICO, 62-. Vis. prof. Iberoamerican Univ. Mex. 70. Summers, guest lectr. Inst. Ling. Oka, 63, visitor, soc. sci. res. coun. seminar, ling. inst. Ling. Soc. Am. Univ. Indiana, 64, vis. prof. Columbia, 67. Consult. U.S. Pub. Health Serv. Proj. col. nursing, New Mex. 65-66. Assoc. Danforth Found. Mo. 66-69. U.S.A.F. 57-58, 1st Lt. Fel. Anthropol. Asn. Soc. Appl. Anthropol. Relationship between language and other parts of culture, especially in problems of comparability of descriptive reports and the possibility of devising a minimum vocabulary of concepts and relations for ethnography. Publ: The Micmac Indians of Restigouche, Nat. Mus. Can. 66; Modern cultural anthropology, 69 & ed, Culture shock, 70. Knopf. Address: Dept. of Anthropology, University of New Mexico, Albuquerque, N.Mex. 87106.

BOCK, DEAN ROBERT H. b. Chicago, Ill. Feb. 1, 32; m. 54; c. 3. **ECONOMICS.** B.S. Purdue, 54, M.S. 55, Ph.D. (econ), 60. Assoc. prof. prod. mgt. Northwestern, 60-65; acad. v-pres. Puget Sound, 65-69; **DEAN SCH. BUS. ADMIN.** MIAMI (FLA), 69-. U.S.A.F. 55-57, 1st Lt. Publ: Co-auth. Long-range planning for agricultural marketing firms, Purdue Univ. 60 & Production planning and control, Merrill Co. 63; auth. Measuring cost parameters in inventory models, Mgt. Tech. 6/64. Address: School of Business Administration, University of Miami, Coral Gables, Fla. 33124.

BOCK, DR. ROBERT LEROY. Political Science. See A-K Vol. 11th ed, Soc. & Behav. Vols. New position: Assoc. prof. 68-. Dept. of Political Science, Western New England College, Springfield, Mass. 01119.

BODDEWYN, DR. JEAN. b. Brussels, Belgium, Feb. 3, 29; U.S. citizen; m. 55; c. 3. **INTERNATIONAL BUSINESS.** Commercial Eng. Louvain, 51; M.B.A. Oregon, 51; D.B.A. Washington (Seattle), 64. Mkt. research & systems analyst, Galtiers Anspach, Belgium, 52-55; time study analyst, Jantzen, Inc. Ore. 55-57; asst. prof. bus. admin. Portland, 57-64; **ASSOC. PROF. INT. BUS. GRAD. SCH. BUS. ADMIN.** N.Y. UNIV. 64-. Bus. consult. 64-. Ed. Int. Studies Mgt. & Orgn. 69-. Co-dir. third session. Int. Exec. Training Center, France, 68. Acad. Mgt. Asn. Ed. Int. Bus. Soc. Pub. Admin. International business, especially management, environmental and

comparative analysis and business-government relations; public policy to retailers retailing. Publ: Co-auth. Interdisciplinary studies in business behavior, South-West. Publ. 62 & International business education, N.Y. Univ. 66; auth. Comparative management and marketing, Scott, 69. Address: Dept. of International Business, Graduate School of Business Administration, New York University, 100 Trinity Place, New York, N.Y. 10006.

BOE, DR. ERLING E (DWARD). Psychology, Education. See A-K Vol. 11th ed, Soc. & Behav. Vols. New position: Assoc. dean, 69-. Graduate School of Education, University of Pennsylvania, 3700 Walnut St, Philadelphia, Pa. 19104.

BOECK, DR. ALVORD L (ESLIE). Economics. See A-K Vol. 11th ed, Soc. & Behav. Vols. New information: Retired, Kwikset Div. Emhart Corp. 69; consult. economist, 69-, lectr. mkt. Calif. State Col. Fullerton, 69-. Address: 3101 Seaview Ave, Corona Del Mar, Calif. 92625.

BOEHM, DR. ERIC H. Modern History. See 5th ed, Dir. Am. Scholars, Vol. I, Hist.

BOEK, DR. JEAN K (RUMWIEDE). Cultural Anthropology. See A-K Vol. 11th ed, Soc. & Behav. Vols. New position: Dir. continuing ed, Gerontol. Soc. 70-. Address: Wild Acres, 5400 Grosvenor Lane, Bethesda, Md. 20014.

BOERSMA, DR. F (REDERIC) J. b. Grand Rapids, Mich. Sept. 23, 38; m. 61; c. 2. **EDUCATIONAL PSYCHOLOGY.** B.S. Western Michigan, 60, M.A. 61; Ph.D. (ed. psychol.) Mich. State, 64. Res. assoc. Ed. PSYCHOL. Mich. State, 64-65; asst. prof. ALBERTA, 65-67, **ASSOC. PROF.** 67-. Nat. Res. Coun. Can. grant, 68-70; Donner, 68-70. Ed. Res. Asn. Psychol. Asn. Soc. Res. Child Develop. Attention, arousal and the orientation reaction as these processes relate to cognitive and perceptual development. Publ: Eye movements during embedded figure tasks, Perceptual & Motor Skills, 69; co-auth. Eye movements and the conservation of length, Archives Psychologie Geneve, 70 & Effects of arithmetic problem difficulty on pupillary dilation in normal and educable retardates, J. Exp. Child Psychol. 70. Address: Dept. of Educational Psychology, University of Alberta, Edmonton, Alta. Can.

BOGART, DR. KENNETH PAUL. Mathematics. See Suppl. VI to 11th ed, Phys. & Biol. Vols.

BOGER, PROF. L (AWRENCE) L (EROY). Agricultural Economics. See A-K Vol. 11th ed, Soc. & Behav. Vols. New position: Dean, 69-. College of Agricultural & Natural Resources, Michigan State University, Room 104, Agriculture Hall, East Lansing, Mich. 48823.

BOGUSLAVSKY, PROF. GEORGE W (ILLIAM). Psychology. See A-K Vol. 11th ed, Soc. & Behav. Vols. New information: Dir. testing center number 2, Am. Inst. Res. Address: Dept. of Psychology, Rensselaer Polytechnic Institute, Troy, N.Y. 12181.

BOHANNAN, DR. LAURA. Anthropology. See A-K Vol. 11th ed, Soc. & Behav. Vols. New information: Sr. ed, Am. Anthropologist, 70-75. Address: 405 Deerfield Rd, Deerfield, Ill. 60015.

BOHRNSTEDT, DR. GEORGE W. Sociology. See A-K Vol. 11th ed, Soc. & Behav. Vols. New position & address: Assoc. prof. 69-. Dept. of Sociology, University of Minnesota, 1146 Social Science Bldg, Minneapolis, Minn. 55455.

BOICE, DR. ROBERT. Comparative Psychology. See A-K Vol. 11th ed, Soc. & Behav. Vols. New position & address: Asst. prof. psychol. 69-. University of Missouri, 209 McAllester Hall, Columbia, Mo. 65201.

BOITER, DR. ALBERT L. b. Chester, S.C. Dec. 9, 20; m. 57; c. 2. **POLITICAL SCIENCE.** B.A. Furman, 42; M.A. Louisville, 46; Fulbright fel. Vienna, 50; cert. Russian Inst. Columbia, 52, Ph.D. (pub. law), 65. Ed. writer for. affairs, Courier-Jour. Louisville, 45-47; asst. prof. Soviet area studies, Louisville, 48-53; DIR. RES. DEPT. RADIO LIBERTY, Munich, 55-. Vis. assoc. prof. California, Santa Barbara, 67. Polit. Sci. Asn. Int. Law Asn. Soc. Int. Law. Asn. Adv. Slavic Studies. Comparative political and legal systems, especially Soviet and communist-type institutional structures; leadership and foreign policy formulation. Publ: Co-auth. The USSR and the future, Praeger, N.Y. & London, 63; auth. The Soviet legal system, Inc. 1917-1967; Promise and realization, Studies Soviet Union, Vol. VII, No. 2; Kameradschaftsgericht, In: Vol. III, Sowjetssystem und Demokratische Gesellschaft, Herder, Freiburg, 69. Address: Griechenplatz 12, Munich 90, Germany.

BOLDEN, DR. WILEY S (EIGHTS). Psychology. See A-K Vol. 11th ed, Soc. & Behav. Vols. New position: Study dir. Acad. Ed. Develop. Inc. 69-. Address: 975 Veltre Circle S.W., Atlanta, Ga. 30311.

BOLDT, DR. EDWARD D (ETRICH). b. Lethbridge, Alta. Sept. 18, 38; m. 62. **SOCIOLOGY.** B.A. Miss. Col. 55; D.B.A. 64; M.A. & Henry Marshall Tory Mem. scholar, Alberta, 66; Can. Coun. fel. 67-68, Ph.D. (sociol.), 68. **ASST. PROF. SOCIOL.** MANITOBA, 68-. Am. Sociol. Asn.; Can. Sociol. & Anthropol. Asn. Social structure and personality; conformity and deviance. Address: Dept. of Sociology, University of Manitoba, Winnipeg, Man. Can.

BOLEY, ROBERT EUGENE. Geography. See A-K Vol. 11th ed, Soc. & Behav. Vols. New position: Exec. dir. 69-. Urban Land Institute, 1200 18th St. N.W., Washington, D.C. 20036.

BOLING, DR. THOMAS EDWIN. b. Pelahatchie, Miss. Sept. 13, 30; m. 49; c. 1. **SOCIOLOGY.** B.A. Miss. Col. 55; D.B.A. 64; M.A. & Henry Marshall Tory Mem. scholar, Alberta, 66; Can. Coun. fel. 67-68, Ph.D. (sociol.), 68. **ASST. PROF. SOCIOL.** MANITOBA, 68-. Am. Sociol. Asn.; Can. Sociol. & Anthropol. Asn. Social structure and personality; conformity and deviance. Address: Dept. of Sociology, Wittenberg University, Springfield, Ohio 45501.

- BOLLAND, DR. THOMAS WILLIAM. Applied Statistics, Operations Research. See A-K Vol. 11th ed, Soc. & Behav. Vols. Change of address: Whittemore School of Business & Economics, University of New Hampshire, Durham, N.H. 03824.
- BOLLS, DR. NATHAN J. JR. Vertebrate Zoology & Physiology. See Suppl. V to 11th ed, Phys. & Biol. Vols.
- BOLTON, DR. ROGER EDWIN, b. Dover, Pa. Nov. 23, 38; m. 64; c. 2. ECONOMICIS. A.B. Franklin & Marshall Col. 59; Ph.D.(econ), Harvard, 64. Instr. ECON, Harvard, 64-66; asst. prof. WILLIAMS COL. 66-69, ASSOC. PROF. 69- Assoc. staff mem. Brookings Inst. 65-69; guest lectr. For. Serv. Inst. 68-69. Consult. antitrust div. U.S. Dept. Justice, 66; President's Task Force on Commun. Policy, 68. Mem. independent study bd. U.S. Dept. Commerce, 67. Econ. Assn. Economic impact of defense purchases; financing of higher education; economics of environmental quality; anti-trust and regulation of business. Publ: Defense purchases and regional growth, Brookings, 66; Predicting state and local government purchases, In: The Brookings econometric model: some further results, Brookings, 69; An introduction to the structure and economics of higher education, In: The economics and financing of higher education in the United States, Joint Econ. Cmt. U.S. Cong. 69. Address: Dept. of Economics, Williams College, Williamstown, Mass. 01267.
- BONAR, PROF. HUGH S. JR. Modern European History. See 5th ed, Dir. Am. Scholars, Vol. I, Hist.
- BOND, DR. GEORGE CLEMENT, b. Knoxville, Tenn. Nov. 16, 36; m. 68; c. 1. ANTHROPOLOGY. B.A. Boston, 59; M.A. London Sch. Econ, 62. Ph.D. (anthrop), 68. Asst. lectr. sociol. East Anglia, 66-68; ASST. PROF. ANTHROP. COLU. MISS., 68. Religion and political organization of mainly non-western societies, specifically African; developing countries. Address: Dept. of Anthropology, Columbia University, New York, N.Y. 10027.
- BOND, DR. HARLEY WILLIAM. Neuropharmacology. See Suppl. V to 11th ed, Phys. & Biol. Vols.
- BOND, DR. M. E. b. Bloomfield, Iowa. Sept. 11, 39; m. 61. ECONOMICIS. B.B.A. Iowa, 61, M.A. 65, Ph.D.(econ), 67. Bank trainee, Northwest Bancorp. 61-62; res. asst. bus. & econ. Iowa, 62-64; instr. econ. 64-67; ASST. PROF. ECON. & RES. ASSOC. BUS. & ECON. ARIZONA STATE, 67- Mem. Assoc. Univ. Bur. Bus. & Econ. Res. Econ. Assn. International economics, especially international balance-of-payments problems; economic development and problem areas of monetary economics. Publ: Co-auth. Mexican border industrialization, MSU Bus. Topics, spring 68; Iowa, Arizona personal income: a review and summary, Ariz. Bus. Bul. 8-9/68; co-auth. The disinterest in foreign aid: an appraisal, Kyikos, (in press). Address: Dept. of Economics, Arizona State University, Tempe, Ariz. 85281.
- BOND, DR. MARGARET S. b. Paris, France, Dec. 20, 20; U.S. citizen; m. 46; c. 2. ECONOMICS. B.A. Rennes, 37; L.B. Poitiers, 40; D.Univ.(law, econ. Paris, 42. Legal & econ. adv. Res. & Develop. Div. French Ministry Defense, 44-46; instr. French ALABAMA, HUNTSVILLE, 61-63, asst. prof. ECON. 64-68, ASSOC. PROF. 69. Econ. Comp. Econ. Economic theory; economic theory; comparative economics; welfare. Publ: The juridical theory of money, Jouve, Paris, 42. Address: Dept. of Economics, University of Alabama, Huntsville, Ala. 35807.
- BOND, DR. ROBERT SUMNER, b. Cambridge, Mass. Oct. 12, 25; m. 50; c. 2. FORESTRY ECONOMICS. B.S. Massachusetts, 51; M.F. Yale, 52. Nat. Sci. Found. fel. State Univ. N.Y. Col. Forestry Syracuse, 61-62. Ph.D.(forestry econ), 66. Forester. Fordyce Lumber Co. Ark. 52-54; Mass. Dept. Nat. Resources, 54-56; instr. forestry, Massachusetts, 56-61; asst. FORESTRY ECON. State Univ. N.Y. Col. Forestry, Syracuse, 63; asst. prof. MASSACHUSETTS, AMHERST, 63-69, ASSOC. PROF. 69. Forest serv. forest prod. mkt. lab. consult. 69-70. U.S.C.G. 43-46. Soc. Am. Foresters; Econ. Assn. Lumber marketing and structure of specified wood products industries; labor situation problem analysis northeastern primary wood processors; consumer analysis of forest oriented recreation activities. Publ: Influences upon forest resource use and their formulation into a course of study, State Univ. N.Y. Col. Forestry, 68; co-auth. Characteristics of campers in Massachusetts, 11/68 & co-auth. A consumer analysis of licensed hunters and fishermen in Massachusetts, 1/70, Mass. Agr. Exp. Sta. Bull. Address: Dept. of Forestry & Wildlife Management, University of Massachusetts, Amherst, Mass. 01002.
- BONE, PROF. HUGH A(LVIN). Political Science. See A-K Vol. 11th ed, Soc. & Behav. Vols. New information: No longer chmn. dept. polit. sci. New publ: Co-auth. Politics and Voters, McGraw, 2nd ed, 67. Address: Dept. of Political Science, University of Washington, Seattle, Wash. 98105.
- BONHAM, DR. SHARON PRICE, b. Hillview, Ill. June 18, 38; m. 69. SOCIOLOGY. B.S. MacMurray Col. 60; M.S. Iowa State, 66, Ph.D.(sociol), 68. Teacher, Tampico High Sch. 59-60; high sch. Iowa, 60-64; instr. SOCIOL. Iowa State, 65-68; ASST. PROF. TULSA, 68- Dir. married studies, Iowa State; aged study, Tulsa, Okla. Consult. married student study, Florida, 68-69. Sociol. Assn. Nat. Coun. Family Rel.; Pop. Assn. Am. Education administration; birth control. Publ: Secondary administrators and vocational schools, Iowa State Univ. 67. Address: Dept. of Sociology, University of Tulsa, Tulsa, Okla. 74104.
- BONHAM, DR. THIRWALL WILLIAM, b. Allentown, Pa. Jan. 6, 43; m. 66; c. 1. BUSINESS ADMINISTRATION, MANAGEMENT. A.B. Duke, 64; M.B.A. South Carolina, 65, Ph.D.(mgt. finance), 69. Asst. mgt. & econ. South Carolina, 65-67; asst. to dir. grad. studies, col. bus. admin. 67-69; ASST. PROF. MGT. VA. POLYTECH, 69- Perceived need deficiencies of management and union personnel. Address: Dept. of Management, Virginia Polytechnic Institute, Blacksburg, Va. 24061.
- BOOCOCK, DR. SARANE S. b. Evanston, Ill. May 7, 35; m. 57; c. 1. SOCIOLOGY. B.A. Vassar Col. 57; M.A. Rutgers, 61; Ph.D.(soc. rels), Hopkins, 66. Soc. case worker, N.J. State Bd. Child Welfare, 58-59; res. asst. & instr. sociol. Rutgers, 59-62; res. assoc. soc. rels, Hopkins, 62-68; asst. prof. SOCIOL. SOUTHERN CALIFORNIA, 68-70, ASSOC. PROF. 70- Res. grants, Carnegie Corp. 62-68; U.S. Office Ed. 66-68; NASA, 69- Co-founder & mem. bd. dirs. Acad. Games Assocs, 68- Sociol. Assn. Sociology of education; development and testing of games with simulated social environments. Publ: Co-auth. Simulation games for learning, Sage Publ, 68; auth. Toward a sociology of learning, Sociol. of Ed. 66 & An innovative course in urban sociology, Am. Sociologist, 70. Address: Dept. of Sociology, University of Southern California, Los Angeles, Calif. 90007.
- BOOKBINDER, DR. LAWRENCE (JOSEPH). Psychology. See A-K Vol. 11th ed, Soc. & Behav. Vols. New information: Clin. psychologist, San Diego Co. Probation Dept, 68- Address: 6262 Beadnell Way, Apt. 2U, San Diego, Calif. 92117.
- BOON, DR. GERARD K. b. Leiden, Netherlands, July 17, 28; m. 56; c. 3. ECONOMIC DEVELOPMENT. B.A. Netherlands Sch. Econ. 50, M.A. 53. Ph.D. 62. Res. assoc. factor proportions in prod. div. balanced int. growth, Netherlands Econ. Inst. Rotterdam, 56-62; Rockefeller fel. Stanford, 62-63 & center int. studies, Mass. Inst. Tech. 63; assoc. prof. econ. develop. prog. Stanford, 63-66; UN EXPERT, Bank of Mex. S.A. 66-67; NAT. F. NANCERS S.A. 67- Asst. int. econ. rels, Netherlands Sch. Econ. 57-62. Adv. Inst. Soc. Studies The Hague, Netherlands & Res. Inst. Mgt. Sci. Delft, 57. Royal Dutch Army, 2nd Lt. Am. Econ. Assn. Economic development problems; optimum factor combinations in industrial and agricultural production processes from a private and social view; Publ: Economic choice of human and physical factors in production, N.Holland Publ. Amsterd., 63. Address: Av. Castillo del Morro 118, Mex. 10, D.F.
- BOONE, DR. JERRY (EAL). Psychology, Speech Pathology. See A-K Vol. 11th ed, Soc. & Behav. Vols. New position: assoc. dir. grad. affairs, Tenn. Higher Ed. Cmn. 69- Address: 500 Fifth Ave. N. Nashville, Tenn. 37219.
- BOONE, DR. LOUIS E. b. Robertsdale, Ala. May 5, 41; m. 64; c. 1. MARKETING. B.S. Delta State Col. 63; M.S. Southern Mississippi, 64, Gen. Develop. Corp. fel. 68, univ. grant. 68-69; Ph.D.(mkt). Arkansas, 69. Teaching asst. Southern Mississippi, 63-64; asst. prof. mkt. 67-69; instr. Auburn, 64-65; econ. Arkansas, 65-67; ASSOC. PROF. MKT. TULSA, 69- res. grant anal. mkt. info. systs. 69-70. Mkt. Assn. Personality trait analysis of consumer innovators; marketing information systems. Publ: Management perspectives in marketing, Dickinson, 71; Marketing strategy, C.E. Merrill, 71. The search for the consumer innovator, J. Bus. 4/70. Address: Dept. of Marketing, University of Tulsa, Tulsa, Okla. 74104.
- BOORMAN, PROF. HOWARD LYON. History. See 5th ed, Dir. Am. Scholars, Vol. I, Hist.
- BOORMAN, DR. JOHN THOMAS, b. New York, N.Y. Oct. 23, 41; m. 63. ECONOMICIS. B.S. Le Moyne Col.(N.Y.), 63; Nat. Sci. Found. fel. Southern California, 65-67, M.A. 66, Ph.D.(econ), 68. ASST. PROF. ECON. MARYLAND, 67- Consult. U.S. Off. Ed. 68-69. Econ. Assn. Commercial banking and financial intermediaries; monetary theory and policy; international monetary arrangements. Publ: Co-auth. Topics in monetary theory, Allyn & Bacon, 70 & The crawling peg and exchange rate stability, Can. Econ. J. 5/70. Address: Dept. of Economics, University of Maryland, College Park, Md. 20742.
- BOOTH, PROF. DONALD R(ICHARD). Economics. See A-K Vol. 11th ed, Soc. & Behav. Vols. New information: Nat. Sci. Found. sci. faculty fel. California, Los Angeles, 69-70. Address: 18551 Via Bravo, Villa Park, Calif. 92667.
- BOOTH, DR. JOHN FRANKLIN. Agricultural Economics, Marketing. See A-K Vol. 11th ed, Soc. & Behav. Vols. New information: Econ. consult. 62- Address: 704 Island Park Dr, Octava 3, Ont. Can.
- BOOTZIN, DR. RICHARD R. b. Milwaukee, Wis. Feb. 25, 40; m. 59; c. 2. PSYCHOLOGY. B.S. Wisconsin, Madison, 63; Nat. Inst. Ment. Health fel. Purdue, 64-67, M.S. 66, Ph.D.(clin. psychol), 69. ASST. PROF. PSYCHOL. NORTHWESTERN, 68- Consult. Chicago State Hosp. & Read Zone Center, 69. U.S.A.F. 59-61. Psychol. Assn. Am. Behav. Ther. Behavior modification and therapy; experimenter expectancy and bias; perceptual defense. Publ: Co-auth. Individual differences and perceptual defense in the absence of response bias, J. Personality & Soc. Psychol. 6: 408-412; auth. Induced and stated expectancy in experimenter bias, Proc. Am. Psychol. Assn. 69; co-auth. Expectancy, demand characteristics, and contact desensitization in behavior change, Behav. Ther. (in press). Address: Dept. of Psychology, Northwestern University, Evanston, Ill. 60201.
- BORCHARDT, HARVARD (GEORGE). Economics. See A-K Vol. 11th ed, Soc. & Behav. Vols. Change of address: 8750 Georgia Ave, Apt. 421A, Silver Spring, Md. 20910.
- BORCICH, DR. JOHN MARTIN, b. Tacoma, Wash. May 18, 44; m. 67; c. 2. ECONOMICIS. A.B. Stanford, 64, M.A. Washington (Seattle), 66, Ph.D.(econ), 68. ASST. PROF. ECON. BRITISH COLUMBIA, 69. Econ. Assn. International trade. Address: Dept. of Economics, University of British Columbia, Vancouver, B.C., Can.
- BORDEAUX, DR. ARTHUR FRANKLIN, JR. b. Ingold, N.C. Jan. 31, 41; m. 62; c. 2. AGRICULTURAL ECONOMICS. B.S. N.C. State, 62, W.K. Kellogg fel. 64, M.S. 65, Ph.D.(agr. econ), 69. Agr. economist, econ. res. serv. U.S. Dept. Agr. 67-68; ASST. PROF. AGR. ECON. KENTUCKY, 69- Agr. Econ. Assn; Econ. Assn. Development of agricultural policies, human and rural resources. Publ: Co-auth. The lease and transfer program for flue cured tobacco, 1962-1963, Dept. Econ. N.C. State Univ. 65; The resource mix—a Michigan case study, In: Fruit and vegetable marketing mechanisms—manpower implications, Rural Manpower Center, Mich. State Univ. 69. Address: Dept. of Agricultural Economics, University of Kentucky, Lexington, Ky. 40506.

- BORDEN, PROF. NEIL H. JR.** Business Management. See A-K Vol, 11th ed, Soc. & Behav. Vols. New position: Prof. bus. admin, 69-. Graduate School of Business Administration, University of Virginia, Box 3607, Charlottesville, Va. 22903.
- BORG, DR. DOROTHY.** History, Public Law. See 5th ed, Dir. Am. Scholars, Vol. I, Hist.
- BORHEGYI, DR. STEPHAN (FRANCIS).** Anthropology. See 11th ed, Soc. & Behav. Vols, deceased 69.
- BORING, DR. FRANK (HENRY).** Clinical Psychology. See A-K Vol, 11th ed, Soc. & Behav. Vols. New position: Chief psychologist, Boston Outpatient Clin, Vet. Admin, 68-. Address: 18 Skyline Dr, Wellesley Hills, Mass. 02181.
- BORK, DR. NORMA (KOESTER).** b. Sandusky, Ohio, Mar. 6. 30; m. 51; c. 2. SPEECH PATHOLOGY, AUDIOLOGY. B.S. N.J. State Teachers Col, 54; M.A., Calif. State Col. Los Angeles, 63; Ph.D. (speech path, audio), California, Los Angeles, 67. Speech & hearing specialist, pub. sch. sys., 59-61; consult, cleft palate team, St. John's Hosp, Santa Monica, Calif., 63-67; ASSOC. PROF. SPEECH PATH. & DIR. SPEECH & HEARING CLIN, PACIFIC UNION COL, 67-. Lectr., Andrews, 60-61; lectr. res. asst. & consult, dept. phys. med. & rehab, sch. med. Loma Linda, 66-. Speech & Hearing Assn. Laryngectomy. Address: Dept. of Speech Pathology and Audiology, Pacific Union College, Angwin, Calif. 94508.
- BORMUTH, DR. JOHN R.** b. Garrett, Ind, Sept. 4, 28; m. 50; c. 3. PSYCHO-LINGUISTICS. B.A., Manchester Col, 53; A.M., Indiana, 59, Ed.D. 62. Asst. prof. Ed. California, Los Angeles, 62-67; ASSOC. PROF., Minnesota, 67-68; CHICAGO, 68-. U.S. Off. Ed. grants, 63-64, 65-69 & 69-70. Participant, Conf. Learning & Ed. Stanford, 65. U.S.A., 53. Psychol. Asn. Ed. Res. Asn; Nat. Coun. Teachers of English; Nat. Coun. Measurement in Ed. Psycholinguistics, particularly analysis of processes underlying comprehension of language; achievement testing; item writing theory. Publ: Implications and use of Cloze procedure in the evaluation of instructional programs, Center Study Eval, Univ. Calif., Los Angeles, 67; On the theory of achievement test items, Univ. Chicago, 70; Readability: a new approach, Reading Res. Quart., 66. Address: Dept. of Education, Judd Hall, University of Chicago, 5835 Kimbark Ave, Chicago, Ill. 60637.
- BORNET, PROF. V(AUGHN) D(AVIS).** History. See 5th ed, Dir. Am. Scholars, Vol. I, Hist.
- BORNHOFFEN, DR. JOHN OSCAR.** Economics. See A-K Vol, 11th ed, Soc. & Behav. Vols. New position & address: Stephen B. Monroe assoc. prof. money & banking, 69-. Dept. of Economics, Kalamazoo College, Kalamazoo, Mich. 49007.
- BORNSTEIN, DR. ROBERT.** b. Brooklyn, N.Y., Apr. 21, 39; m. 63; c. 1. PSYCHOLOGY. B.A. Emory, 61; Ph.D. (psychol), Louisville, 66. ASST. PROF. PSYCHOL., MIAMI (OHIO), 66-. Consult, Children's Home Butler County, 67- AAAS; Psychol. Asn. Developmental psychology; personality and cognitive processes. Publ: Co-auth, Problems of adolescents: a guide to teacher-led discussions, Scott, 69; Probability matching in concept identification, 66 & Pre-task probability information in concept identification, 68, J. Exp. Psychol. Address: Dept. of Psychology, Miami University, Oxford, Ohio 45056.
- BOROCK, DR. DONALD M(ARK).** Political Science. See A-K Vol, 11th ed, Soc. & Behav. Vols. Change of address: 611 High St, Easton, Pa. 18042.
- BORTS, PROF. GEORGE H.** Economics. See A-K Vol, 11th ed, Soc. & Behav. Vols. New information: Managing ed, Am. Econ. Rev. Address: Dept. of Economics, Brown University, Box 1831, Providence, R.I. 02912.
- BORTZ, DR. ABE.** American History. See 5th ed, Dir. Am. Scholars, Vol. I, Hist.
- BORUCH, DR. ROBERT F(RANCIS).** b. Bayonne, N.J., Oct. 16, 42; m. 69. PSYCHOLOGY. B.E. Stevens Inst. Tech, 64; Int. Bus. Mach. Corp. fel, Iowa State, 66, Nat. Defense Ed. Act fel, 67, Ph.D. (psychol), 68. RES. ASSOC. psychol. statist. & comput. programming, Iowa State, 67; ED. & STATIST, AM. COUN. ON ED, 68-. Consult, U.S. Air Force Opers. Anal. Group, 65-66; Northwestern Univ, 68; Res. Corp. N.Y., 69-70. Mem, privacy & res. cmt, Am. Ed. Res. Asn, 69-. Psychomet. Soc; Statist. Asn; Psychol. Asn. Statistical and methodological applications in social sciences; measurement and evaluation; computer implementation of data analysis. Publ: Educational research and the confidentiality of data, Proc. Am. Statist. Asn, 69; co-auth, A procedure for estimating the amount of method, trait and error variance attributable to a measure, fall 70 & Alternative strategies in analysis: multitrait-multimethod matrices, winter 70, Ed. & Psychol. Measurements. Address: American Council on Education, 1 Dupont Circle, Washington, D.C. 20036.
- BOSACK, DR. THEODORE N(ICHOLAS).** b. Wilkes-Barre, Pa, Dec. 19, 40; m. 64; c. 2. PSYCHOLOGY. A.B. Brown, 62, Sc.M. 65, Ph.D. (psychol), 67; Connecticut, 62-63. Trainee psychol. Brown, 63-65. res. assoc. child psychol, summers 67, 68; ASST. PROF. PSYCHOL., PROVIDENCE COL, 67- CHMN. DEPT, 69-. AAAS. Sensation and learning in neonates; imprinting phenomena in domestic chickens. Publ: Co-auth, Primary and secondary punishment of the toe sucking in the infant rhesus monkey, Psychonomic Sci, 1/65 & Enhancement of neonatal sucking through reinforcement, J. Exp. Child Psychol, 10/66; auth, Facilitation in olfactory detection, J. Comp. & Physiol. Psychol, 6/69. Address: Dept. of Psychology, Providence College, Providence, R.I. 02918.
- BOSCH, PROF. LEON (ARTHUR).** Business Administration. See A-K Vol, 11th ed, Soc. & Behav. Vols. New information: Also chmn, 69-. Dept. of Policy & Environment, Graduate School of Management, Northwestern University, Evanston, Ill. 60201.
- BOSLAND, PROF. CHELCIE C(LAYTON).** Economics, Finance. See A-K Vol, 11th ed, Soc. & Behav. Vols. New position: Vrs. prof. finance, Rhode Island, 69-. Address: Jerry Brown Farm, Wakefield, R.I. 02879.
- BOSSONS, DR. JOHN DAVID.** Econometrics, Finance. See A-K Vol, 11th ed, Soc. & Behav. Vols. New information: Vrs. instr. econ, Lafayette Colo, 69. Address: c/o National Bureau of Economic Research, 155 Whitney Ave, New Haven, Conn. 06510.
- BOTSAS, DR. ELEUTHERIOS NICHOLAS.** b. Achladine, Greece, Apr. 21, 31; m. 65; c. 1. ECONOMICS. B.S. Detroit, 60; M.A. Wayne State, 62, Mendelson fel, summers 63 & 64, Ph.D. (econ), 66. Instr. econ, Lafayette Colo, 64-65, ASST. PROF, 65-66; ECON. MGT, OAKLAND, 66-. Summers, seminar instr., Wayne State, 65, asst. prof, 66, assoc. prof, 70. Econ. Asn. Economic aspects of international labor mobility; human capital; international trade, especially between East and West; comparative economic systems. Publ: A note on migration and the balance of payments, Econ. Int., 5/69; Migration and capital formation: the case of Greece, Balkan Studies, 7/69; Some economic aspects of short-run Greek labor emigration to Germany, Weltwirtschaftliches Arch, (in press). Address: 2539 Yorkshire Lane, Bloomfield Hills, Mich. 48013.
- BOTWINICK, DR. JACK.** Psychology. See A-K Vol, 11th ed, Soc. & Behav. Vols. New position & address: Prof, 68-, Dept. of Psychology, Washington University, St. Louis, Mo. 63130.
- BOUCHARD, DR. THOMAS J. JR.** Psychology. See A-K Vol, 11th ed, Soc. & Behav. Vols. New position & address: Asst. prof. psychol, 69-, University of Minnesota, Elliot Hall, Minneapolis, Minn. 55455.
- BOUCHER, PROF. BERTRAND PHILLIP.** Geography. See A-K Vol, 11th ed, Soc. & Behav. Vols. New information: Also chmn, 69-. Dept. of Geography, Montclair State College, Montclair, N.J. 07043.
- BOULANGER, DR. JEAN BAPTISTE.** Psychoanalysis. See A-K Vol, 11th ed, Soc. & Behav. Vols. New information: Prof. psychiat, faculty med, Montreal, 70-, coordinator behav. sci. course, 69-. Address: 3610 Ave. Atwater, Montreal 109, Que, Can.
- BOULLIN, DR. DAVID JOHN.** Pharmacology, Physiology. See Suppl. V to 11th ed, Phys. & Biol. Vols.
- BOURASSA, DR. CHARLES M.** Psychology. See A-K Vol, 11th ed, Soc. & Behav. Vols. New position & address: Assoc. prof, 69-, Dept. of Psychology, University of Alberta, Edmonton, Alta, Can.
- BOURESTOM, DR. NORMAN C(HARLES), JR.** Clinical Psychology. See A-K Vol, 11th ed, Soc. & Behav. Vols. Change of address: University of Michigan 1021 E. Huron St, Ann Arbor, Mich. 48104.
- BOURGOIS, DR. ANTHONY EMILE.** b. Lafayette, La, Oct. 5, 39; m. 67; c. 2. PSYCHOLOGY. B.S. Southwestern Louisiana, 62; fel, Baylor, summer 66, Ph.D. (psychol), 67. Intern. comp. psychol, Aerospace Res. Lab, Holloman Air Force Base, 62; asst. prof. PSYCHOL, TEXAS A&M, 66-70, ASSOC. PROF, 70-. AAAS; Psychol. Asn. PSYCHOLOGICAL-comparative psychology. Publ: Co-auth, A comparison of operant conditioning responses in the baboon, gibbon and chimpanzee, Univ. Texas, 65; Effects of microwave exposure on behavior and related phenomena, Aerospace Res. Lab, 65-66. A report on the techniques developed for chronic implantation of electrodes in the albino rat brain, Inter-Am. J. Psychol, 69. Address: Dept. of Psychology, Texas A&M University, College Station, Tex. 77843.
- BOURKE, SISTER MARY PAULA, R.S.M.** b. Chicago, Ill. SOCIAL SCIENCE, EDUCATION. Ph.D. St. Xavier Col, 31; A.M., Illinois, 38. Instr. St. Xavier Col, (Ill), 40; prin. St. Xavier Acad, 40-51; Marquette High Sch, 51-57; instr. Soc. SCI, ST. XAVIER COL, (ILL), 57-59, asst. prof, 59-63, PROF, 63-, CHMN. DIV, 61-. Mem. accrediting bd, N.Cent. Asn. Col. & Sec. Schs, 45-48, 53-56; chmn, sec. sch. sect, Sisters of Mercy in U.S. Hq, Wash, 51-54; mem, gen. cmm. ed, 51-56; mem. Coun. For. Rel. & col. rep, Southwest Community Orgn, Welfare Coun, Chicago. Polit. Sci. Asn. For. Policy Asn. Address: Dept. of Social Sciences, St. Xavier College, 103rd S. Central Park, Chicago, Ill. 60635.
- BOUSHY, PROF. THEODORE F(ADLO).** Political Science, Sociology. See A-K Vol, 11th ed, Soc. & Behav. Vols. New position & address: Prof, 68-, Dept. of History, Pembroke State University, Pembroke, N.C. 28372.
- BOUTHLEIT, DR. GEORGE.** Psychology. See A-K Vol, 11th ed, Soc. & Behav. Vols. New position: Chief off. prog. anal. & develop, div. ment. retardation, U.S. Dept. Health, Ed. & Welfare, 68-. Address: Arlington Towers, M-210, 1111 Arlington Blvd, Arlington, Va. 22209.
- BOUTWELL, DR. CHARLES RODNEY.** b. Detroit, Mich, Feb. 29, 20; m. 42; c. 4. PSYCHOLOGY. A.B. Marshall, 49; B.D. Fuller Theol. Sem, Calif, 52; Ph.D. (psychol), Tennessee, 64. Sr. clin. psychologist, Ment. Health Center, Oak Ridge, Tenn, 64-65; assoc. prof. psychol, Carson-Newman Col, 65-70; CHIEF CLIN. PSYCHOLOGIST, COMMUNITY MENT. HEALTH CENTER, 70-. Chief clin. psychologist, Ment. Health Center, Morristown, Tenn, 65-67. Consult. State Dept. Ed, Tenn, 67-. U.S.N. 38-45. Psychol. Asn. The relationship between personality variables and empathy. Publ: Co-auth, Undergraduate remedial reading: improvement as measured by the Nelson-Denny reading test, Carson-Newman Col, 70. Address: Community Mental Health Center, P.O. Box 8069, Huntington, W.Va. 25705.
- BOUTWELL, DR. WALLACE KENNETH, JR.** b. Newton, Miss, Jan. 7, 39; m. 61; c. 2. ECONOMICS. B.S. Miss. State, 61; M.S. N.C. State, 63, Ph.D. (econ), 66. Sys. analyst, Off. Asst. Secy. Defense Sys. Anal, 65-68; assoc. prof. agr. econ, FLORIDA, 68-69, ASST. DEAN A&M, AFFAIRS, 69-. Consult, Off. Asst. Secy. Defense, 68-69; Off. Secy, Agr. 68-. U.S.A., 65-67, Capt. Agr. Econ. Asn; Econ. Asn; Economet. Soc; Inst. Mgt. Sci. Use of linear programs and simulation models in analyzing defense transportation systems; mathematical simulation models for analyzing farm policies; planning, programming and budgeting for universities. Publ: Co-auth, Estimating route assembly costs, J. Farm Econ, 11/64. Simulation in the analysis of Department of Defense transportation systems, Proc. Ses-

- quicentennial Forum Transportation Eng, 8/28-30/67 & Estimation of demand for food and other products assuming ordinarily separable utility, *Am. J. Agr. Econ.*, 5/68. Address: 2206 N.W. 19th Lane, Gainesville, Fla. 32601.
- BOWDEN, DR. ELBERT V(CTOR).** Economics. See A-K Vol, 11th ed, Soc. & Behav. Vols. New position & address: Prof, 70. Dept. of Economics, State University New York, College at Fredonia, Fredonia, N.Y. 14063.
- BOWEN, PROF. HOWARD (ROTHMANN).** Economics. See A-K Vol, 11th ed, Soc. & Behav. Vols. New position & address: Prof, 69., Dept. of Economics, Claremont Graduate School, 205 Harper E, Claremont, Calif. 91711.
- BOWEN, DR. JAMES (NORL), b. Stamford, Tex, Jan. 10, 34; m. 65; c. 3. PSYCHOLOGY.** B.A. Hardin-Simmons, 60; Nat. Inst. Health fel. Texas, 61-63, Ph.D.(psychol), 63. Asst. prof. PSYCHOL, TEXAS, ARLINGTON, 63-66, ASSOC. PROF, 66- Nat. Insts. Health fel. math. psychol, Michigan, 68-70. U.S.A. 56-58. Psychol. Asn. Learning theory; decision theory; statistics. Publ: Discrimination learning as a function of internal stimuli, 66, Occurrence of the partial reinforcement extinction effect after only one NRRN sequence of trials, 67 & Effect of ascending, descending, and irregular order of varied reward magnitude, 68, *Psychonomic Sci.* Address: Dept. of Psychology, University of Texas at Arlington, Arlington, Tex. 76010.
- BOWER, DR. LEONARD G, b. Owen, Wis, May 17, 42; m. 68. ECONOMICS.** B.A. Arizona, 64; Ph.D.(econ), Duke, 69. Asst. prof. econ, Fla. State, 68-69; *ECONOMIST, FED. RESERVE BANK DALLAS*, 69- Econ. Asn. Pop. Asn. Am. Relationships between population growth and economic growth, particularly in less developed countries; migration, urbanization and age structure; public policy and finance implications. Publ: Patterns of water use in the Arizona economy, *Ariz. Rev.*, 66; The structure of the Arizona economy, part I, In: The input-output model and its interpretation, *Ariz. Exp. Station, Ariz.*, 68; The return from investment in population control in less developed countries, *Demography*, 68. Address: Federal Reserve Bank, Station K, Dallas, Tex. 75228.
- BOWER, ROBERT S(HARON).** Economics, History. See A-K Vol, 11th ed, Soc. & Behav. Vols. Change of address: 778 Bangor St, San Diego, Calif. 92106.
- BOWERS, DR. WILLIAM J, b. Washington, D.C., May 19, 35; m. 63; c. 3. SOCIOLOGY.** B.A. Washington & Lee, 57; Coop. Res. Prog, U.S. Off. Ed. grant, Columbia, 62, Edmund Des. Bruner fel, 63-64, Ford Found. fel, 64-65, Ph.D.(sociol), 66. Res. asst. bar. appl. soc. res, Columbia, 59-62, proj. dir, 62-65; asst. prof. sociol, NORTHEASTERN, 65-69, assoc. dir. & consult, RUSSELL B. STEARNS STUDY, 65-66, DIR, 66- Vis. fel. & res. grant, Nat. Inst. Law Enforcement & Criminal Justice, 69-70. AAAS; Sociol. Asn; Soc. Study Social Probs. Sociology of education; socialization process; deviant behavior and social control; social science research methodology; survey design and analysis. Publ: Student dishonesty and its control in college, *Bur. Appl. Soc. Res.*, 64; Normative constraints on deviant behavior in the college context, *Sociometry*, 68; The college fraternity as an opportunity structure, *Soc. Probs.*, 70. Address: Northeastern University, 480 UR, Boston, Mass. 02115.
- BOWLES, DR. W(ALTER) DONALD.** Economics. See A-K Vol, 11th ed, Soc. & Behav. Vols. New position: V-pres, Acad. affairs, 69-, The American University, Washington, D.C. 20016.
- BOWLING, PROF. OSWALD (DIONECE).** Finance. See A-K Vol, 11th ed, Soc. & Behav. Vols. New position: Chmn, 69-, Dept. of Finance, Texas Tech University, Lubbock, Tex. 79409.
- BOWLING, DR. LLOYD SPENCER, SR.** Audiology, Speech Pathology. See Suppl. V to 11th ed, Phys. & Biol. Vols.
- BOWMAN, PROF. A(RTHUR) CHESLEY.** Economics. See A-K Vol, 11th ed, Soc. & Behav. Vols. New position: Prof. econ, San Antonio Col, 60- Address: 120 Moss Dr, San Antonio, Tex. 78213.
- BOWMAN, DR. JOHN D, b. Tacoma, Wash, Feb. 26, 34. ECONOMIC HISTORY & DEVELOPMENT.** B.A. Reed Col, 57; Northwestern, 57-58; M.A. Washington (Seattle), 59; Ph.D.(econ), Yale, 65. Instr. Econ, Illinois, 61-64, ASST. PROF, 64-65; WISCONSIN, MADISON, 65- Econ. Asn; Econ. Hist. Asn. U.S. agriculture, 1870-1900; European feudalism, 1200-1450. Publ: An econ-analysis of midwestern farmland values and income, 1860-1900, *Yale Econ. Essays*, fall 65; co-auth. Terms of trade in four midwestern states, 1870-1900, *Explor. Entrepreneurial Hist.* (in press). Address: Dept. of Economics, University of Wisconsin, Madison, Wis. 53706.
- BOWMAN, PROF. MARY JEAN.** Economics. See A-K Vol, 11th ed, Soc. & Behav. Vols. New position: Prof, 69-, Dept. of Economics, University of Chicago, Chicago, Ill. 60637.
- BOWMAN, DR. PAUL H(OOVER).** Psychology. See A-K Vol, 11th ed, Soc. & Behav. Vols. Change of address: Institute for Community Studies, 301 E. Armour Blvd, Kansas City, Mo. 64111.
- BOWMAN, DR. RAYMOND T(OMLINSON).** Economics. See A-K Vol, 11th ed, Soc. & Behav. Vols. New position: Proj. mgr. & dir, UN Asian Studies. Inst, 69- Address: Azabu Towers, Apt. 509, 4, Azabu Mamiana-Cho, Minato-Ku, Tokyo.
- BOWMAN, WALLACE DEAL.** Biology, Resource Planning. See Suppl. VI to 11th ed, Phys. & Biol. Vols.
- BOYD, DR. ARCHIBALD (DONALD).** Economics. See A-K Vol, 11th ed, Soc. & Behav. Vols. New position: Sci. adv. Sci. Coun. Can, 69. Address: 20 Hexham Rd, Ottawa 14, Ont, Can.
- BOYD, DR. HARRY STERLING, b. Russellville, Ark, Nov. 29, 33; m. 54; c. 5. CLINICAL PSYCHOLOGY.** B.A., Illinois, 55; M.S., Oklahoma, 61, Ph.D. (clin. psychol), 64. Staff clin. psychologist, Cent. State Hosp, Norman, Okla. 63-65; Vet. Admin. Hosp, Oklahoma City, Okla. 65-68; CLIN. PSYCHOLOGIST, OKLAHOMA CITY MENT. HEALTH CLIN, 68- Asst. prof. med. psychol, sch. med, Oklahoma, 65-69. Pres. Consult. & Training Assocs, Inc. 69- U.S.N. 55-58; Lt.(jg). Psychol. Asn; Group Psychoth. Asn; Acad. Psychother. Human growth on the psychological level, particularly effects of communication/feedback on growth, with use of videotape feedback. Address: Oklahoma City Mental Health Clinic, 427 S.W. 15th, Oklahoma City, Okla. 73109.
- BOYD, DR. J. EDWIN, b. Petrolia, Ont, Oct. 4, 37; m. 59; c. 4. PSYCHOLOGY.** B.A., Western Ontario, 63, M.A. 65, Can. Coun. Alcoholism & Drug Addiction Res. Found. fel, 66-67, Ph.D.(psychol), 67. Lectr. statist. sch. nursing, Western Ontario, 64-67; ASST. PROF. PSYCHOL, CALGARY, 67- Psychologist, Child Guid. Clin, London, Ont. 65- R.C.A.F. 55-61, Flying Officer. M.S. 65; manager, Psychol. Asn; Can. Psychol. Asn. Human language research; person perception; multivariate analyses in assessing social behaviour. Address: Dept. of Psychology, University of Calgary, Calgary, Alta, Can.
- BOYD, DR. JOHN PAUL, b. Pontiac, Mich, May 26, 39; m. 58; c. 2. ANTHROPOLOGY, COMMUNICATION SCIENCE.** B.A., Michigan, 61, M.S. 63, Ph.D.(commun. sci), 66. Res. asst. soc. sci. ment. health res. inst, Michigan, 60-65; ASST. PROF. ANTHROP. & COMMUN. SCI, CALIFORNIA, IRVINE, 65- Mathematical models of kinship and other cognitive structures. Publ: Algebra of group kinship, *J. Math. Psychol.*, 69. Address: School of Social Sciences, University of California, Irvine, Calif. 92664.
- BOYD, DR. RICHARD W.** Political Science. See A-K Vol, 11th ed, Soc. & Behav. Vols. New position & address: Asst. prof, 69-, Dept. of Government, Wesleyan University, Middletown, Conn. 06457.
- BOYER, DR. ERNEST L(EROY).** Higher Education, Audiology. See A-K Vol, 11th ed, Soc. & Behav. Vols. New position: V.chancellor, State Univ. N.Y., 68- Address: 29 Westover Rd, Slingerlands, N.Y. 12159.
- BOYER, DR. RONALD K, b. Columbus, Ohio, Feb. 18, 37; m. 64; c. 1. ORGANIZATION BEHAVIOR & PSYCHOLOGY.** B.M.E. Gen. Motors inst, 60; M.S. Case Western Reserve, 63, Ph.D.(orgn. behav), 65. Asst. Case Western Reserve, 60-65; manager, Personnel Consult., 65-66; Asst. Dir. & Develop. 65-66; independent orgn. consult, 66-67; ASST. PROF. PSYCHOL. & ASST. DIR. INST. RES. & TRAINING IN HIGHER ED, UNIV. CINCINNATI, 67- Consult, Westinghouse Elec. Corp, Ford Motor Co. & Procter & Gamble Co, 66- Psychol. Asn. Organization change and development using action research; laboratory method and small group behavior; educational change and innovation with normals and culturally distinct groups. Publ: A study of the application of laboratory training methods to programs at Air University, Nat. Training Labs, 66; auth. A laboratory approach to improvements of student-faculty relations and educational systems in engineering, NTL Training News, summer 64; The student peer group: its effect on college performance, *Student Housing Res. Asn. Col. & Univ. Housing Officers*, Fla. 6/66; plus others. Address: Institute for Research & Training in Higher Education, University of Cincinnati, 3020 Woodside Dr, Cincinnati, Ohio 45219.
- BOYNE, PROF. DAVID H, b. Marlette, Mich, July 23, 34; m. 58; c. 2. AGRICULTURAL ECONOMICS.** B.S. Mich. State, 57; M.A. Chicago, 60, Ph.D. (econ), 62. Asst. prof. agr. econ, Mich. State, 61-66, assoc. prof, 66-67; PROF. AGR. ECON. & RURAL SOCIOL. & CHMN. DEPT, OHIO STATE, 67- Agr. Econ. Asn; Econ. Asn. Agricultural prices and income distribution; agricultural policy. Publ: Co-auth. Market structure variables and the analysis of farm behavior, *Agr. Mkt. Anal.*, 64; auth. Changes in the real wealth position of farm operators, 1940-60, *Mich. State Univ.*, 64 & Changes in the income distribution in agriculture, *J. Farm Econ*, 12/65. Address: Dept. of Agricultural Economics, Ohio State University, Columbus, Ohio 43210.
- BOYNE, DR. JOHN J, b. Buffalo, N.Y., Aug. 17, 22; m. 48; c. 1. POLITICAL SCIENCE.** B.A. Alabama, 48, M.A., 49; Ph.D.(polit. sci), North Carolina, 56. Instr. polit. sci, Alabama, 49-50; asst. prof, Auburn, 51-56; assoc. prof, U.S. Air Force Acad, 56-61; PROF. pub. admin, George Washington, 62-66; POLIT. SCI, AUBURN, 66-, CHMN. DEPT. GRAD. STUD, 69- Ford Found. fel, 57-58; lectr. Brit. War Col. & Air War Col, 57-; assoc. prof, Colorado, 58-61; Off. Econ. Opportunity grant, 68-69. Consult. Res. Group, Atlanta, Ga, 69- U.S.A.F. 43-67, Lt. Col.(Ret). Polit. Sci. Asn. Community problems; poverty. Publ: Co-auth. American federal policy, Oxford, 61. Address: 2730 Argyrie Rd, Montgomery, Ala. 36111.
- BOZARTH, DR. JEROLD DONALD, b. Peoria, Ill, June 13, 32; m. c. 1. PSYCHOLOGY.** B.A. Bradley, 55, M.A. 60, Chicago, 60-62; Alfred Adler Inst, 62-63; Ph.D.(rehab. counseling), Iowa, 66. Rehab. counsr, Peoria State Hosp, State Dept. Ment. Health, Ill, 58-60, rehab. supvr, Ill. State Psychiat. Inst, 60-63; asst. prof. Southern Illinois, 66-68; ASST. PROF. PSYCHOL. & SR. RES. SCIENTIST, ARK. REHAB. RES. & TRAINING CENTER, UNIV. ARKANSAS, 68- Mem. prime study group, Rehab. Serv. Admin, 68. Consult. A.L. Bowen Center for Ment. Retarded, 66-68, U.S.A. 55-57. Psychol. Asn; Nat. Rehab. Asn; Personnel & Guid. Asn; Rehab. Counseling Asn. Rehabilitation counseling—counselor traits and characteristics, counseling process, overall contribution of rehabilitation services; mental retardation—examination of counseling techniques and societal atmospheres with mentally retarded boys and girls. Publ: Co-auth. Biographical items and factors that differentiate rehabilitation counselor performance, *Personnel & Guid. J.* 10/68; auth. Objective ratings and client perceptions of therapeutic conditions with university counseling center patients, *J. Clin. Psychol.* 1/70 & Verbal protocol patterns of college dormitory counselors, *Counsr. Ed. & Supv.*, 6-12/70. Address: R.R. 4, Fayetteville, Ark. 72701.
- BOZDOGAN, DR. KIRKOR, b. Felahie, Kayseri, Turkey, Mar. 4, 38; m. 62. ECONOMICS, URBAN STUDIES.** B.S., Wisconsin, Madison, 61; Loula D. Lasker fel, Harvard, 62, M.C.P., 63; Ph.D.(city & regional planning), Mass. Inst. Tech, 69. Summer res. asst. housing & real estate econ, Univ. Wisconsin, 61; summer planning aide, Boston Redevel. Authority, 62; res. asst. econ. study part of Boston, Harvard, 63; PRFNL. STAFF MEM. mgt.

- serv. div. URBAN & REGIONAL ECON. GROUP. ARTHUR D. LITTLE, INC. 63-69, CORP. & NEW MGT. DIV. 69- INSTR. AFRICAN INDUS. DEVELOP. VELOP. MGT. TRAINING PROG. 64- Teaching asst., Mass. Inst. Tech. 66, 67. Economic modeling; quantitative economic research; economic forecasting; input-output studies; economic development planning; quantitative urban and regional research. Publ: Co-auth, Projective economic study of the Ohio River Basin, U.S. Govt. Printing Off. 64; co-auth, Projective economic studies of the U.S. 64-65 & auth, Studies on the structure of input-output models for national, regional and multiregional economic analysis, (in prep), New England Corps Engr, U.S. Army Engr. Div. Address: 141 Magazine St, Cambridge, Mass. 02139.
- BOZEMAN, PROF. HERMAN HOLLIS. Sociology. See A-K Vol. 11th ed, Soc. & Behav. Vols. New information. 1977, Norfolk State Col., 69- Address: 6224 Sedgefield Dr, Norfolk, Va. 23513.
- BRACKETT, DR. BENJAMIN GAYLORD. Veterinary Medicine, Biochemistry. See Suppl. V to 11th ed, Phys. & Biol. Vols.
- BRADBURY, DR. JACK W. Animal Behavior. See Suppl. VI to 11th ed, Phys. & Biol. Vols.
- BRADEN, LT. COL. DONALD D. History, Political Science. See 5th ed, Dir. Am. Scholars, Vol. I, Hist.
- BRADEN, DR. KAREN BARNES. Physiological Psychology, Neurophysiology. See Suppl. VI to 11th ed, Phys. & Biol. Vols.
- BRADFIELD, DR. L. EUGENE, b. Omaha, Nebr., Feb. 19, 35; m. 65. COUNSELING PSYCHOLOGY. B.A. Bemidji State Col. 62; M.A. North Dakota, 64. Ed.D. counseling & guidance, 66. Asst. prof. PSYCHOL. BEMIDJI STATE COL., 66-68, ASSOC. PROF. 68- Counsr, Upward Bound Prog, summer 66. Personnel & Guid. Asst. Psychol. Asn. Characteristics of students from low income families. Publ: College adjustment and performance of low income freshman males. Personnel & Guid. J. 10/67. Address: Dept. of Psychology, Bemidji State College, Bemidji, Minn. 56601.
- BRADFORD, DR. GARNETT LOWELL, b. Cynthiana, Ky., Sept. 7, 35; m. 58; c. 2. ECONOMICS. STATISTICS. B.S. Kentucky, 57, M.S., 59; Ph.D.(econ), N.C. State, 68. Res. asst. agr. econ, Kentucky, 57-59; instr. econ, N.C. State, 60-65, ASST. PROF. 65-68; AGR. ECON, KENTUCKY, 68- U.S.A.R., 54-62, Sgt. Production economics; research methods in optimum farm enterprise organization and least cost systems of production. Publ: Co-auth, Applying economic principles in purchasing or replacing agricultural equipment. N.C. State, 69; auth, Relationships of labor costs to selected variables in flue-cured tobacco production, South. J. Agr. Econ. 70. Address: Dept. of Agricultural Economics, University of Kentucky, Lexington, Ky. 40506.
- BRADFORD, PROF. WILLIAM C(ASTLE). Economics. See A-K Vol. 11th ed, Soc. & Behav. Vols. Change of address: 2-145 Rebecca Crown Center, Northwestern University, Evanston, Ill. 60201.
- BRADLEY, DR. DONALD S. b. Decatur, Ill., Apr. 26, 38; m. 65; c. 1. SOCIOLOGY. B.A. Calif. State Col. Los Angeles, 61; M.A. Chicago, 63, Ph.D. (sociol), 69. Res. dir., Chicago Cmn. Youth Welfare, 64-65; instr. SOCIOLOGY, N.Y. Univ. 66-69; ASST. PROF. EMORY, 69- Vis. lectr, U.S. Mil. Acad., 67-68. Res. consult, Joint Youth Develop. Cmt, 63-65; res. & manpower consult, A.L. Nellum & Assoc., 67-68. Training officer, policy mgmt. systs, VISTA, 69, Sociol. Asn. Urban political structure; social planning; community organization; social change. Publ: Co-auth, From a commercial elite to political ad, Am. J. Sociol., 9/65. Address: Dept. of Sociology & Anthropology, Emory University, Atlanta, Ga. 30322.
- BRADLEY, PROF. JOSEPH F(RANCIS). Finance. See A-K Vol. 11th ed, Soc. & Behav. Vols. Change of address: 200 Highland Ave, Apt. 201, State College, Pa. 16801.
- BRADLEY, DR. WILLIAM L(EE). Philosophy of Religion. See 5th ed, Dir. Am. Scholars, Vol. IV, Philos. Relig. & Law.
- BRADSHAW, DR. BENJAMIN SPENCER, b. Abilene, Tex., Jan. 30, 34; m. c. 2. SOCIOLOGY. B.A. Texas, Austin, 56, M.A., 60; Ph.D.(sociol), Brown, 68. Demog. statistician, U.S. Bur. Census, 60-64; ASST. PROF. & RES. ASSOC. SOCIOLOGY, TEXAS, AUSTIN, 68- Pop. Asn. Asst. Sociol. Asn. Fertility in Peru: a study of fertility among Mexican-Americans; nineteenth century composition of Mexican-American population—trends in assimilation; population estimates for small areas. Publ: Co-auth, Ethnic congregation-segregation, assimilation and stratification, Soc. Forces, 5/64; auth, Fertility differences in Peru: a reconsideration, Pop. Studies, 3/69. Address: Population Research Center, 200 E. 26th St, Austin, Tex. 78705.
- BRAIBANTI, PROF. RALPH. Political Science. See A-K Vol. 11th ed, Soc. & Behav. Vols. Change of address: Center for Commonwealth Studies, Duke University, Durham, N.C. 27706.
- BRAIN, DR. JAMES L. b. Chigwell, Eng., Sept. 12, 23; m. 50; c. 2. ANTHROPOLOGY. Dipl. anthrop, London, 63; Ph.D.(anthrop), Syracuse, 68. Community develop. officer, Govt. Tanganyika & Uganda, 51-63; lectr. Swahili & anthrop, Syracuse, 63-67; asst. prof. ANTHROP, STATE UNIV. N.Y. COL. NEW PALTZ, 67-69, ASSOC. PROF. 69- Brit. Army, 42-50, Capt. Feil. Soc. Appl. Anthropol. Irel. African Studies Asst. fel. Anthropol. Asst. fel. Royal Anthropol. Inst. Gr. Brit. & Ireland. Swahili; applied and social anthropology. Publ: The basic structure of Swahili, 61, 2nd ed, 65, 3rd ed, 69 & A dictionary of social science terms: English/Swahili, 69, Prog. E. African Studies, Syracuse; Matrilineal descent and marital stability: a Tanzanian case, J. Asian & African Studies, Vol. IV, No. 2; plus others. Address: Dept. of Anthropology, State University of New York College at New Paltz, New Paltz, N.Y. 12561.
- BRAINARD, PROF. WILLIAM CRITTENDEN, b. Jersey City, N.J., July 2, 35; m. 58; c. 3. ECONOMICS. B.A., Oberlin Col. 57; M.A., Yale, 59, Ph.D.(econ),
63. Instr. ECON. YALE, 61-62, asst. prof. 62-66, assoc. prof. 66-69, PROF. 69- MEM. RES. STAFF, COWLES FOUND. RES. ECON. 61- ACTING DIR., 69- Res. assoc., Brookings Inst. 65-66. Econ. Asn.; Economet. Soc. Aggregative economics; monetary theory. Publ: Co-auth, Financial intermediaries and the effectiveness of monetary controls, 63, auth, Uncertainty and the effectiveness of policy, 67 & co-auth, Pitfalls in financial model building, 66, Am. Econ. Rev. Address: Dept. of Economics, Yale University, Box 2125, Yale Station, New Haven, Conn. 06520.
- BRAITHWAITE, DR. LLOYD M. b. Chicago, Ill., Jan. 18, 28; m. 66; c. 2. CRIMINOLOGY. B.A. California, Berkeley, 54, M.Crim, 60, D.Crim, 69. Probnt. officer, juvenile div., Alameda County Probnt. Dept. 53-55; parole agent, adult div., Calif. Parole Bd, 55-57; sociologist, Calif. Inst. Men, 57-59; crime analyst, adult probnt. Calif. Bur. Criminal Statist., 59-62; res. analyst, res. div., Calif. Youth Authority, 62-63; consnr, reception center, Calif. Med. Facility, 63-65; prof. adminstr, section IV, Parks Job Corps Center, 65-66; ASSOC. PROF. CRIMINOL, Indiana State, 66-68; WESTERN MICHIGAN, 68- Regional dir., Mich. Cmn. Law Enforcement & Criminal Justice, 69-; asst. dir., Childrens Charter of Courts Mich., 70. U.S.N., 45-46. Correctional Asn.; Nat. Coun. Crime & Delinquency. Corrections; administration of criminal justice. Publ: Executive clemency in California capital cases, Issues in Criminal, 65. Address: Dept. of Sociology, Western Michigan University, Kalamazoo, Mich. 49001.
- BRAMELD, PROF. THEODORE. Philosophy of Education. See 5th ed, Dir. Am. Scholars, Vol. IV, Philos. Relig. & Law.
- BRAMS, DR. STEVEN (JOHN). Political Science. See A-K Vol. 11th ed, Soc. & Behav. Vols. New position & address: Asst. prof., 69- Dept. of Politics, New York University, Washington Square, New York, N.Y. 10003.
- BRAMSON, DR. LEON DORIAN. Sociology. See A-K Vol. 11th ed, Soc. & Behav. Vols. New publ: Ed. War: studies from psychology, sociology, anthropology, Basic Bks, rev. ed, 68. Address: Dept. of Sociology & Anthropology, Swarthmore College, Swarthmore, Pa. 19081.
- BRANCA, PROF. ALBERT ARTHUR. Psychology. See A-K Vol. 11th ed, Soc. & Behav. Vols. New position: Prof., 69- Dept. of Psychology, University of Delaware, Newark, Del. 19711.
- BRAND, DR. JEANNE L(AUREL). History. See 5th ed, Dir. Am. Scholars, Vol. I, Hist.
- BRANDENBURG, DR. RICHARD GEORGE. Management Science. See A-K Vol. 11th ed, Soc. & Behav. Vols. New position & address: Prof. bus. admin. & policy sci. & dean, School of Management, State University of New York at Buffalo, 103 Crosby Hall, Buffalo, N.Y. 14214.
- BRANDES, PROF. JOSEPH. Economic History, Economics. See A-K Vol. 11th ed, Soc. & Behav. Vols. New position: Prof. hist, Paterson State Col. 69-, no longer prof. soc. sci. Address: 16-36 Raymond St, Fair Lawn, N.J. 07410.
- BRANDL, DR. JOHN E. Economics. See A-K Vol. 11th ed, Soc. & Behav. Vols. New position & address: Dir. sch. pub. affairs, 69-, University of Minnesota, 314 Social Science Bldg, Minneapolis, Minn. 55455.
- BRANDT, DR. LEWIS WOLFGANG. Psychology. See A-K Vol. 11th ed, Soc. & Behav. Vols. New information: Psychoanalytic consult, Brown Camps, Moose Jaw. Address: Dept. of Psychology, University of Saskatchewan, Regina Campus, Regina, Sask. Can.
- BRANDT, PROF. RICHARD B(OOKER). Philosophy. See 5th ed, Dir. Am. Scholars, Vol. IV, Philos. Relig. & Law.
- BRANNAN, DEAN TEDDY ROE, b. Tulsa, Okla., Feb. 24, 24; m. 48; c. 4. ECONOMICS, BUSINESS ADMINISTRATION. B.S. Arkansas, 44, M.S., 47; Ph.D.(econ, cultural anthrop), Texas, 54. Instr. & asst. prof. mgmt. econ. & cultural anthrop, Arkansas, Tex. A&M Col. & Texas, 46-51; economist & chief econ. anal. br. Region X, Off. Price Stabilization, 51-53; econ. analyst, Texaco Inc, 54; indust. rels. adv., Arabian-Am. Oil Co., 54-57; lectr. mgmt, Florida, 57-58; dean sch. bus. admin, Univ. Kansas City, 58-59; v.chancellor bus. & acad. affairs, 59-61; asst. to pres. & dir. inst. grad. ed. & res. Grad. Res. Center of Southwest, 61-63; prof. mgmt. head dept. finance & gen. bus. & dir. grad. studies, Okla. State, 63-65; PROF. BEHAV. MGT. SCI. & DEADMIND, HOUSTON, 65-68; consult. on Brazil projts, Int. Affairs Off., Univ. Houston, 65-; consult., Humble Oil Co., Conoco Oil Co.; Warren Petrol. Co.; Kerr-McGee Oil Co.; Southwest Bell Tel. Co. U.S.N., 43-46, Lt.(jg). Econ. Asn.; Acad. Mgt. Asn. Evolutionary Econ. Value theory; conflict resolution; motivation. Publ: Co-auth, Overseas management, McGraw, 65; auth, Stages and problems of curricular transition, AACSB Bull, 1968 & Problems of tomorrow's world, Transportation J. winter 69. Address: Dept. of Behavioral Management Science, College of Business Administration, University of Houston, Houston, Tex. 77004.
- BRANNON, DR. JOHN B. JR. Speech & Hearing Science. See A-K Vol. 11th ed, Soc. & Behav. Vols. New position & address: Asst. prof., 69-, School of Education, University of Louisville, Louisville, Ky. 40208.
- BRANNON, DR. RUSSELL HERBERT, b. Bartlesville, Okla., Aug. 25, 31; m. 57; c. 3. AGRICULTURAL ECONOMICS, ECONOMIC DEVELOPMENT. B.S. Okla. State, 54; M.A. George Washington, 58; M.S. Wisconsin, 65. Ph.D. (agr. econ), 65. Asst. agronomist, Okla. State contract team, Ethiopia, 53-54; agron. adv. Agency Int. Develop. Thailand, 58-63; res. assoc. econ. develop. land tenure center, Univ. Wisconsin, 63-65; Ford Found. Argentina & Uruguay, 65-67; asst. prof. agr. econ. develop. KENTUCKY, 67-68, ASSOC. PROF. AGR. ECON. DEVELOP. & ASSOC. DIR. CENTER DEVELOP. CHANGE, 68-; consult. UN Food & Agr. Orgn. & Inter-Am. Develop. Bank field mission to Honduras & Univ. Nebraska agr. econ. field team, Colombia, 69. Chem. C. U.S.A., 54-56, 1st Lt. Agr. Econ. Asn.; Int. Asn. Agr. Econ. Role of agriculture in economic development, especially in underdeveloped regions of the world. Publ: The agricultural development of Uruguay: prob-

- lems of government policy, 68 & co-auth, The agricultural development of Argentina: a policy perspective, 69, Praeger; auth, Low investment levels in Uruguayan agriculture: some tentative explanations, Land Econ, 8/69. Address: Dept of Agricultural Economics, University of Kentucky, Lexington, Ky. 40505.
- BRANSON, DR. ROBERT K. Psychology. See A-K Vol, 11th ed, Soc. & Behav. Vols. New information: Independent ed. consult, 69- Address: 328 Crest Ave, Walnut Creek, Calif. 94595.
- BRANT, DR. CHARLES SANFORD. Anthropology. See A-K Vol, 11th ed, Soc. & Behav. Vols. New publ: Jim Whitewolf: the life of a Kiowa Apache Indian, Dover, 68. Address: Dept. of Anthropology, University of Alberta, Edmonton, Alta. Can.
- BRANTL, SISTER CHARLES MARIE, b. Brooklyn, N.Y., Apr. 30, 29. ECONOMICS. B.A. Albertus Magnus Col, 51; M.A. Fordham, 59, Ph.D.(econ), 63. ASSOC. PROF. ECON. & CHMN. DEPT. OHIO DOMINICAN COL., 65. Econ. Assn. Automobile industry and firm motivation under theory of the firm analysis: oil industry in Iraq. Address: Dept. of Business Administration and Economics, Ohio Dominican College, Columbus, Ohio 43219.
- BRAR, DR. BALBIR SENGH. Nutrition, Veterinary Science. See Suppl. V to 11th ed, Phys. & Biol. Vols.
- BRAUCHER, DR. CHARLES LANDIS, b. Halifax, Pa., Sept. 20, 22; m. 57; c. 4. PHARMACY ADMINISTRATION. B.Sc. Phila. Col. Pharm, 47; M.A. Nebraska, 49; Am. Found. Pharm. Ed. fel, Purdue, 60; Ph.D.(pharm), 63. Asst. prof. PHARM. ADMIN. GEORGIA, 58-60 & 62-63; teaching asst, Purdue, 60-62; assoc. prof. Southwest State Col, 63-66, prof. 66-67; ASSOC. PROF. GEORGIA, 67- U.S. Pub. Health Serv. res. grant, 69-70. U.S.A., 43-46; Air Nat. Guard, 55-, Maj. Pharmaceut. Assn. Mil. Surg. U.S. Investigation in social science and administrative areas which can be related to the pharmaceutical profession. Publ: Co-auth, Predicting performance in pharmacy school by discriminate analysis, 2/70 & auth, A comparative analysis of three years of continuing education activity, 5/70, Am. J. Pharmaceut. Ed. co-auth, A study of physicians' attitudes concerning generic prescribing, J. Med. Assn. Ga. 5/70. Address: 110 Sunnysbrook Dr, Athens, Ga. 30601.
- BRAUD, DR. WILLIAM G. b. New Orleans, La., Nov. 26, 42; m. 65. PSYCHOLOGY. B.A. La. State, New Orleans, 64; M.A. Iowa, 66, Ph.D.(psychol), 67. ASSOC. PROF. EXP. PSYCHOL, HOUSTON, 67. Consult, Vet. Admin. Psychiat. & Psychosom. Res. Lab, 70- Psychol. Assn. Human and animal learning and motivation: biochemical and bioelectrical substrates of behavior; altered states of consciousness. Publ: Diminution of suppression by stimuli associated with the offset of fear-arousing cues, J. Comp. & Physiol. Psychol, 65: 356-358, Acquired stimulus control of drug induced changes in aggressive display in Belding's spetids, J. Exp. Anal. Behav, 12: 773-777, Extinction in goldfish: facilitation by intracranial injection of RNA from brains of extinguished donors, Science, 70. Address: Dept. of Psychology, University of Houston, Houston, Tex. 77004.
- BRAUN, DR. ELMER WILLIAM. Agricultural Economics, Business Administration. See A-K Vol, 11th ed, Soc. & Behav. Vols. New information: Retired, 67. Address: 1524 40th St, Sacramento, Calif. 95819.
- BRAVERMAN, DR. JEROME DAVID, b. Bethlehem, Pa., Nov. 25, 26; m. 53; c. 2. STATISTICS. A.B. Muhlenberg Col, 48; M.B.A. California, Los Angeles, 63, Ph.D.(statist), 66. Mem. tech. staff, Space Tech. Labs, 63; sr. staff engr, Hughes Aircraft Co, 63-67; ASSOC. PROF. STATIST, Rochester Inst. Tech, 67-68; TEMPLE, 68- U.S.N.R., 44-45, 50-52, LI.(jg). Soc. Qual. Control. Statist. Assn. Inst. Decision Sci. Statistical decision theory: statistical inference. Publ: Probability, logic and management decisions, McGraw, 71; Credibility theory: a probabilistic development, J. Risk & Ins, 9/68 & Specifying parameters of subjective prior distributions, Proc. Am. Inst. Decision Sci, 70. Address: 330 Danell Rd, Radnor, Pa. 19087.
- BRAY, PROF. WILLIAM ALBERT. Journalism. See 5th ed, Dir. Am. Scholars, Vol. II, Eng. Speech & Drama.
- BRAYER, PROF. MENACHEM MEINDEL. Biblical Literature, Hebrew. See 5th ed, Dir. Am. Scholars, Vol. IV, Philas, Relig. & Law.
- BRAYFIELD, DR. ARTHUR (HILLS). Psychology. See A-K Vol, 11th ed, Soc. & Behav. Vols. New position: Prof. psychol. & chmn. dept, Claremont Grad. Sch, 68- Address: 1030 Alamosa Dr, Claremont, Calif. 91711.
- BREAKSTONE, ROBERT ALBERT, b. New York, N.Y., Feb. 20, 38; m. 66; c. 1. MANAGEMENT, DATA PROCESSING. B.S., City Col. New York, 60; M.B.A., City Univ. New York, 64. Sys. engr, Int. Bus. Mach. Corp. 61-64; dir. mgt. sys. Continental Copper & Steel Indus. Inc, 64-69; V.PRES. & TREAS, SYSTS. AUDITS INC, 69- Instr. N.Y. Univ, 63-65; ad. asst. prof, Pace Col, 65- Assn. Comput. Mach. Address: Systems Audits Inc, 31 E. 28th St, New York, N.Y. 10016.
- BRECHER, PROF. MICHAEL. Political Science, International Relations. See A-K Vol, 11th ed, Soc. & Behav. Vols. Change of address: c/o H. Nahmias, 10 Alkalay St, Jerusalem, Israel.
- BRECKWOLDT, DR. GERHARD HEINZ, b. Hamburg, Germany, Mar. 9, 17; m. 51; c. 3. LINGUISTICS, LOGOPEDICS. Dipl. Inst. Interpreters, Hamburg & Berlin, 40; Ph.D.(ling, phonetics, logopedics), Hamburg, 44. Asst. prof. Eng. lang. & lit. & phonetics, Hamburg, 45-48; assoc. prof. phonetics, logopedics & voice sci, Witwatersrand, 48-63; PROF. SPEECH & COMMUN. DISORDERS, ST. LOUIS, 63- Hon. student couns., Witwatersrand, 66-69; vis. prof. speech clin. sch. speech, Denver, 61-62; St. Louis Poetry Center, ed. Arts & Ed. Coun. Greater St. Louis, 67- dir, Readers of Poetry Center, Acad. Am. Poets, 68- Speech & Hearing Assn; Int. Assn. Logopedics & Phoniatrics; Int. Phonetic Assn. Click sounds and symbols in African languages; voice science, special research into examination and therapy techniques; tonemic therapy, structured relaxation and breathing techniques. Publ:
- The artificial palate: a German Speech training device, Volta Rev, 7/48; Voice disorders in the schools, Spec. Cong. Ed. J. S. African Logopedic Soc, 53; The use of the international system of heraldic hatchings for the transcription of Bushman paintings, S. African Archael. Bull, 12/64. Address: Speech Clinic, St. Louis University, 15 N. Grand Blvd, St. Louis, Mo. 63103.
- BREED, DR. WARREN. Sociology. See A-K Vol, 11th ed, Soc. & Behav. Vols. New information: Res. & writing, 69- Address: 1839 Webster St, San Francisco, Calif. 94115.
- BREESE, DR. GEORGE R. b. Richmond, Ind. Dec. 27, 36. PSYCHIATRY. PHARMACOLOGY. B.S. Butler, 59, M.S. 61; Ph.D.(pharmacol), Tennessee, 65. Intern pharmacy, Vet. Admin. Hosp. & Butler Univ, 59-61; teaching asst. pharmacol, Univ. Tennessee Med. Units, 62-64; instr. sch. med. Arkansas, 65-66; res. assoc. pharmacol. & toxicol, Nat. Inst. Gen. Med. Sci., 66-68; ASST. PROF. PSYCHIAT. & PHARMACOL, SCH. MED. NORTH CAROLINA, CHAPEL HILL, 69- Nat. Inst. Health res. grants, 63-65; Soc. Neurosci. Soc. Pharmacol. & Exp. Therapeut. Pharmacology and development of the central nervous system. Publ: Co-auth, Cardiovascular interactions between actively administered reserpine and mephentermine, Brit. J. Pharmacol, 65. Metabolism of some phenylethylamines and their B-hydroxylated analogs by brain, 69 & Effects of 6-hydroxydopamine on brain norepinephrine and dopamine: evidence for selective degeneration of catecholamine neurons, 70, J. Pharmacol. & Exp. Therapeut. Address: Dept. of Psychiatry, University of North Carolina Medical School, Chapel Hill, N.C. 27514.
- BREGMAN, DR. E(LSIE) O(SCHRIN). Psychology. See 11th ed, Soc. & Behav. Vols, deceased 69.
- BREIMEIER, PROF. KENNETH H. b. Ft. Wayne, Ind. Dec. 7, 25; m. 50; c. 2. PSYCHOLOGY. A.B. Concordia Sem, 46, B.D. 49; M.A., Washington (St. Louis), 48; Ph.D.(psychol), Northwestern, 52. Dir. field ed. CONCORDIA SEM, 54-64, PROF. PASTORAL CARE & DEAN OF STUDENTS, 64- Nat. Assn. Ment. Health, 67-68. Psychol. Assn. Personnel & Guid. Assn. Clinical psychology. Address: Dept. of Practical Theology, Concordia Seminary, 801 De Mun Ave, St. Louis, Mo. 63105.
- BREIT, DR. PETER KLAUS, b. Dresden, Germany, Aug. 29, 34; U.S. citizen; m. 55. POLITICAL SCIENCE. B.A. Colorado, 56; fel. & M.A. Massachusetts, 63, fel. & Ph.D.(govt), 67, Fulbright, 67-68, Germany, 68- Instr. POLIT. SCI., HARTFORD, 64-66, asst. prof. 66-69, ASSOC. PROF. 69- Guest grad. lectr, Trinity Col, 68. U.S.A. 59-61. Polit. Sci. Soc. Int. Law: Acad. Polit. & Soc. Sci. International politics; simulation: American foreign policy; Germany: comparative politics. Address: Dept. of Political Science, University of Hartford, West Hartford, Conn. 06117.
- BRENNER, DR. HENRY (RICHARD). Industrial Psychology. See A-K Vol, 11th ed, Soc. & Behav. Vols. New position: Mgr. Manpower Resources, Xerox Corp, Xerox Square, Rochester, N.Y. 14603.
- BRENNER, DR. MARSHALL H. b. Kalamazoo, Mich., May 27, 33; m. 56; c. 2. PSYCHOLOGY. B. Kalamazoo Col, 55; M.A. Bowling Green State, 58; Ph.D.(psychol), Ohio State, 62. Adminstr. personnel res. Lockheed-Calif. Co, 62-69; ASST. DIR. RES. INST. BUS. & ECON. GRAD. SCH. BUS. ADMIN. SOUTHERN CALIFORNIA, 69- Instr. eve. div. Los Angeles State Col. San Fernando Valley State Col. & Southern California, 63-69. Personnel res. & consult. Lockheed-Calif. Co, 69- Psychol. Assn. Administration and conduct of research in the utilization of manpower in business: personnel selection, development, motivation; utilization of the disadvantaged. Publ: Co-auth, Salary as a predictor of salary: a 20-year study, 8/65 & auth. Use of high school data to predict work performance, 2/68, J. Appl. Psychol: co-auth, Successful experience: training hard-core unemployed, Harvard Bus. Rev, 9-10/68. Address: 6932 Estapa Dr, Tujunga, Calif. 91042.
- BRESWICK, DR. WILLIAM N. Management Science. See A-K Vol, 11th ed, Soc. & Behav. Vols. New position & address: Environ. sys. specialist, 69-, Clair A. Hill & Associates, 1525 Court St, Redding, Calif. 96002.
- BRETERNITZ, PROF. DAVID (ALAN), b. Fremont, Neb., Nov. 12, 29; m. 52; c. 3. ANTHROPOLOGY. B.A. Denver, 52; M.A. Arizona, 56. Asst. anthrop, Denver, 50-52; sr. archaeologist, South. Pac. Co, 55; curator anthrop, Mus. North. Ariz, 56-59; asst. lab. tree-ring res, Univ. Arizona, 60-61, Nat. Sci. Found. grad. fel, 61-62; ASSOC. PROF. ANTHROP, COLORADO, 66- U.S.A. 52-54, 2nd Lt. Soc. Am. Archaeol. Southwestern United States prehistory: archaeological interpretation of dated tree-ring specimens. Publ: Excavations at Nantack Village, Point of Pines, Arizona, Anthropol. Papers; Excavations at three sites in the Verde Valley, Arizona, North. Ariz. Bull; An appraisal of tree-ring dated pottery in the southwest, Anthropol. Papers, Univ. Ariz, 66. Address: Dept. of Anthropology, University of Colorado, Boulder, Colo. 80502.
- BRETTSCHEIDER, PROF. BERTRAM D. Philosophy, Aesthetics. See 5th ed, Dir. Am. Scholars, Vol. IV, Philas, Relig. & Law.
- BREWER, DR. DAVID L. b. Tucson, Ariz, Mar. 11, 33; div. c. 2. SOCIOLOGY. B.S. Brigham Young, 57; M.S. Purdue, 58; Ph.D.(sociol), Utah, 66. Res. sociologist, dept. psychiat, sch. med, Utah, 61-63; ASST. PROF. SOCIOL, Fresno State Col, 64-67; CALIF. STATE COL. HAYWARD, 67- Sociol. Assn; Nat. Coun. Family Rels. Religious myth about family and race, in 19th century America; overlap of religious and secular racial perspectives of Utah Elite; occupational mobility and family structure of ex-schizophrenic patients. Publ: The Mormons, In: Religious situation 1968, Beacon, 68; Religious resistance to changing beliefs about race, Pac. Sociol. Rev, spring, 69. Address: 2529 Ellsworth, Apt. 1, Berkeley, Calif. 94704.
- BREWER, DR. JOHN D. b. Chicago, Ill., May 30, 36; m. 57; c. 2. SOCIOLOGY. A.B. Chicago, 58, Woodrow Wilson fel, 58-59, Charles Richmond Henderson fel, 59-60, univ. fels, 60-63, M.A. 63, Ford Found. fel, 63-64, Ph.D.(sociol), 68. Asst. Prof. SOCIOL, California, Los Angeles, 64-68; York (Ont), 68-70 (on leave 69-70); ASSOC. PROF. WESLEYAN, 69- Sociol. Assn. Formal organization, study of small groups; industrial and political sociology; sociology of work. Publ: Organizational patterns of supervision: a study of

decentralization in two business organizations. In: *The sociology of organizations: basic studies*, Free Press, 70. Address: Dept. of Sociology, Wesleyan University, Middletown, Conn. 06457.

BREWER, DR. WILLIAM F(RANCIS), b. Pensacola, Fla. Feb. 16, 41; m. 63; c. 1. **PSYCHOLOGY**. A.B. Harvard Col., Ph.D. (psychol.), Iowa, 67. **ASSOC. Center Res. Human Learning**, Minnesota, Minneapolis, 67-70; **ASST. PROF. PSYCHOL.** ILLINOIS, 70- Vet. Admin. trainee, aphasia unit, Minneapolis, 67-70. **Psychol. Assn. Ling. Soc. Am.** Psycholinguistics; neuropsychology. Address: Dept. of Psychology, University of Illinois, Psychology Bldg., Champaign, Ill. 61820.

BREWSTER, PROF. WILLIAM, JR. Economics, Business Administration. See A-K Vol. 11th ed. Soc. & Behav. Vols. New position: Prof. bus. admin. Fla. State, 69- Address: 2626 Thomasville Rd., Tallahassee, Fla. 32303.

BREYER, DR. NORMAN LANE, b. Brooklyn, N.Y. June 9, 42; m. 65; c. 1. **EDUCATIONAL PSYCHOLOGY**. B.A. Fairleigh Dickinson, 64; M.S. Miami (Ohio), 66; Nat. Inst. Ment. Health fel., Fla. State, 66-68, Ph.D. (sch.-develop. psychol.), 69. Res. asst. coop. res. proj., Fairleigh Dickinson, 64; asst. bur. ed. field serv. Miami (Ohio), 64-65, asst. to Dr. Charles M. Klein, 65-66; superv. ther. & diag. human develop. clin. Fla. State, 67; psychol. intern., Devereux Found., 66; **ASST. PROF. ED. PSYCHOL.** CONNECTICUT, 69- Proj. co-dir., Off. Ed. study grant, 68; consult., Tredyffrin-Eastown Sch. Syst., Pa., 66. Ed. Res. Assn. Psychol. Assn. Acquisition of academic and social behaviors through the application of learning principles. Publ. Ed. Behavior modification in the classroom, MSS Ed. Pub. Co., 70; co-auth. General guidelines for controlling behavior modification programs in public school settings, 70 & Computer experiences in a school psychology training program, 70, J. Sch. Psychol. Address: Dept. of Educational Psychology, University of Connecticut School of Education, Storrs, Conn. 06268.

BRIER, ROBERT MARTIN. Chemical Engineering, Industrial Management. See Suppl. VI to 11th ed. Phys. & Biol. Vols.

BRITTON, DR. CLYDE A., b. Chicago, Ill. Nov. 11, 33; m. 58; c. 2. **ENGINEERING PSYCHOLOGY**. A.B. Colorado, 55; A.M. Southern California, 63, Ph.D. (psychol.), 66. Mem. staff, DUNLAP & ASSOC., INC., 60-63, assoc. scientist, 63-65, sr. scientist, 65-67, managing scientist, 67-68, V.PRES., 68-; **ASST. PROF. MARKETING COL.** LOYOLA (CALIF.), 67- U.S.N. 56-59, Lt. AAAS: Psychol. Assn. Human Factors Soc. Aviation psychology: measurement and assessment of pilot performance in night carrier landings; personnel psychology. Publ. Human factors research on visual aids to night carrier recovery, Naval Res. Rev. 2/67; Analysis of F4 aircraft day and night carrier approaches, Aerospace Med., 12/67; Operational measures of aircraft carrier landing system performance, Human Factors, 6/69. Address: Dunlap & Associates, Inc., Western Division, 1454 Cloverfield Blvd., Santa Monica, Calif. 90404.

BRIDENSTINE, PROF. MERWYN G(RAYDON). Economics. See A-K Vol. 11th ed. Soc. & Behav. Vols. New information: Emer. prof. econ. 69- College of Business Administration, University of Arkansas, Fayetteville, Ark. 72701.

BRIDGE, DR. FRANKLIN M(ORTON). Political Science. See A-K Vol. 11th ed. Soc. & Behav. Vols. New position: Dir. munic. mgmt. serv. N.Y. State Off. Local Govt., 69- Address: 2056 Morrow Ave., Schenectady, N.Y. 12309.

BRIDGES, DR. CECIL C(ALVERT), JR. Psychology. See A-K Vol. 11th ed. Soc. & Behav. Vols. New position & address: Assoc. prof., 69- Dept. of Psychology, Memphis Tennessee State University, Murfreesboro, Tenn. 37130.

BRIDGES, PROF. J(AMES) W(INFRED). Psychology. See A-K Vol. 11th ed. Soc. & Behav. Vols. Change of address: 5010 Sherbrook St. W., Apt. 15, Montreal 215, Que. Can.

BRIDGEN, DR. ROBERT L(OCKWOOD). Clinical Psychology. See A-K Vol. 11th ed. Soc. & Behav. Vols. Change of address: 1515 State St., Suite 4, Santa Barbara, Calif. 93104.

BRIIGGS, DR. JEAN L(OUIS), b. Washington, D.C. May 28, 29. **CULTURAL ANTHROPOLOGY**. B.A. Vassar Col., 51; M.A. Boston, 60; U.S. Pub. Health Serv. fel. Harvard, 60-63, Wenner-Gren Found. fel., 63, Nat. Inst. Ment. Health fel., 63-66, Ph.D., 67. Asst. prof. **CULTURAL ANTHROPOL. MEMORIAL UNIV.**, 67-69, **ASSOC. PROF.**, 69- Res. assoc. inst. for soc. econ. res. Memorial Univ., 67-69, Can. Coun. Isaac Walton Killam Awards Prog. proj., 68- Fel. Anthropol. Assn. Ethnol. Soc. Arctic Inst. N.Am. Eskimo emotional expression and ethnopsychology. Publ. Utkuhikalingmiut Eskimo emotional expression, Ottawa Dept. Indian Affairs & North Develop., 68; Never in anger: portrait of an Eskimo family, Harvard, 70; Kapluna daughter, In: Women in the field: anthropological experiences, Aldine, 70. Address: Dept. of Sociology & Anthropology, Memorial University of Newfoundland, St. John's, Newfoundland, Can.

BRIIGGS, DR. LESLIE J(OHN). Psychology. See A-K Vol. 11th ed. Soc. & Behav. Vols. New position & address: Prof. ed. res., 68- Florida State University, Room 413 Education Bldg., Tallahassee, Fla. 32306.

BRIIGGS, PROF. L(LOYD) CABOT. Anthropology. See A-K Vol. 11th ed. Soc. & Behav. Vols. New publ. Co-auth. No more for ever: a Saharan Jewish town, Peabody Mus., Harvard. Address: Stoddard Rd., Hancock, N.H. 03449.

BRIIGGS, DR. PHILIP JAMES, b. New York, N.Y. July 28, 38; m. 62. **POLITICAL SCIENCE**. B.S. State Univ. N.Y. Col. Oswego, 60; M.A., Syracuse, 62. Ph.D. (soc. & polit. sci.), 69. Res. adv. Syracuse, 60-62, admissions coord., 67-68; asst. prof. soc. sci., State Univ. N.Y. Agr. & Tech. Col. Delhi, 63-65; **ASSOC. PROF. POLIT. SCI.** EAST STROUBSBURG STATE COL., 68- U.S.C.G.R., 62-70. Polit. Sci. Assn.; Acad. Polit. Sci.; Acad. Polit. & Soc. Sci. Executive-congressional relations and the formulation of United States foreign policy; conflict resolution in international politics. Publ. Conflict

as an integrating process in new nation building, Maxwell Rev., spring 68; Congress and collective security: the resolutions of 1943, World Affairs, 3/70. Address: 200 Smith St., East Stroudsburg, Pa. 18301.

BRIGHAM, DR. BRUCE W(OODWARD), b. Rochester, N.Y., Oct. 14, 26; m. 50; c. 2. **PSYCHOLOGY**. EDUCATION. B.S. State Univ. N.Y., 49, M.S. 54; Ph.D. (psychol.), Temple, 67. Teacher, Pub. schs. N.Y., 49-54; asst. reading clin. inst. serv. dept. psychol. Temple, 54, asst. coordinator inst. serv. & superv. col. & adult reading serv., 55-56; lect. psychol. & coordinator inst. serv., 57-65; superv. reading ed. State Dept. Pub. Instr. Del., 65-67; **ASSOC. PROF. ED.** MARYLAND, 67- Consult. Phila. Cerebral Palsy Assn., 57-58; reading prog. develop. LaSalle Col., 59-60; Bionics, Inc., 60-62; Gettysburg Col., 62; staff develop. prog., Hahnemann Med. Col., 63; Trenton State Col., 64; tenth ann. reading workshop, State Univ. N.Y. Col. Brockport. Mem. Consortium Aans. Concerned with Prnl. Standards in Reading, 70- Soc. Projective Tech. & Personality Assessment; Nat. Soc. Study Ed. Psychol. Assn.; Nat. Coun. Measurement in Ed. Assn. Higher Ed. Acad. Polit. & Soc. Sci. Cerebral palsied young adults and reading: programming beginning reading instruction; field dependence and psycho-educational characteristics of felons; middle school development; pre- and inservice teacher education. Publ. Utilizing various approaches in college reading programs. In: Reading in a changing society, Proc. Int. Reading Assn. Conf., 59; co-ed. Reading and curriculum development, Proc. Ann. Reading Inst., Temple Univ., 63; Auth. Standards in tests: their meanings on the meaning of Reading Specialist, 3/70. Address: Reading Center, University of Maryland College of Education, College Park, Md. 20740.

BRILHART, DR. BARBARA L. Speech, Education. See 5th ed. Dir. Am. Scholars, Vol. II, Eng. Speech & Drama.

BRILL, DANIEL H(ERBERT). Economics. See A-K Vol. 11th ed. Soc. & Behav. Vols. New position: Sr. v-pres, Commercial Credit Co., 69- Address: 10414 Brookmoor Court, Silver Spring, Md. 20901.

BRILL, DR. NORMAN Q(UINTUS). Psychiatry. See Suppl. V to 11th ed. Phys. & Biol. Vols.

BRILL, DR. REGINALD. Medieval & Ancient History. See 5th ed. Dir. Am. Scholars, Vol. I, Hist.

BRILL, DR. WILLIAM H(ANDFORD), b. Philadelphia, Pa. Apr. 18, 33. **POLITICAL SCIENCE**. B.A. Pa. State, 57; M.A. Pennsylvania, 62, Haney & Pennfield fels., 62-65, Ph.D. (polit. sci.), 65. Asst. prof. **POLIT. SCI.** GEORGETOWN, 64-68, **ASSOC. PROF.**, 68- Dir. off. soc. res. Dept. Housing & Urban Develop., U.S. Govt., 68- Consult. Res. Anal. Corp., 64-68, U.S.A., 64-56. Polit. Sci. Assn.; Acad. Polit. & Soc. Sci. Application of behavioral science research techniques to policy problems; political development with special interest in political violence; Latin America; Latin American military. Publ. Military intervention in Bolivia: the overthrow of Paz Estenssoro and the MNR, Inst. Comp. Study Polit. Sys., 67. Address: Office of Social Research, Dept. of Housing & Urban Development, Washington, D.C. 20410.

BRIILLIANT, DR. PATRICIA J(EAN). Clinical Psychology. See LACKS, DR. PATRICIA BRIILLIANT, this Suppl.

BRILLINGER, DR. DAVID ROSS. Statistics. See A-K Vol. 11th ed. Soc. & Behav. Vols. New position & address: Prof., 70-, Dept. of Statistics, University of California, Berkeley, Calif. 94707.

BRINGGAR, PROF. GEORGE K(ENNETH). Agricultural Economics. See A-K Vol. 11th ed. Soc. & Behav. Vols. New information: Dir. int. progs. & studies, Illinois, 69- Address: Urbana, Champaign, 69- Address: University of Illinois, Room 301, 409 E. Chalmers, Champaign, Ill. 61820.

BRINK, PROF. KENNETH MAURICE. Horticulture. See Suppl. V to 11th ed. Phys. & Biol. Vols.

BRINKER, PROF. PAUL ALBERT, b. Pittsburgh, Pa. Feb. 14, 19; m. 49; c. 2. **ECONOMICS**. B.A. Pittsburgh, 39, M.A., 40; Harvard, 45-46; Ph.D. (econ.), Pa. State, 48. Instr. econ. Miami (Ohio), 42; asst. economist, Bd. Econ. Warfare, 42; asst. prof. ECON. Vermont, 46-47; **PROF. OKLAHOMA**, 47- Consult. Carter Oil Co., 52-53; Oklahoma City Air Mat. Area, summer 56, 59; Personnel, U.S. Post Off., summer 67. U.S.A.A.F., 42-45, Sgt. Econ. Assn. Poverty; social security; manpower economics. Publ. Economic insecurity and social security, Appleton, 68; co-auth. Hill-Burton Act 1948-1954, Rev. Econ. & Statist., 62 & Resources in Southern manpower development, Oak Ridge Assoc. Univs., 65. Address: Dept. of Economics, University of Oklahoma, Norman, Okla. 73069.

BRINKERHOFF, DR. MERLIN B(ELLAMY), b. Lovell, Wyo. Nov. 10, 39; m. 62; c. 2. **SOCIOLOGY**. B.A. Brigham Young, 64, M.S. 65; Nat. Insts. Health fel., Washington (Seattle), 66-68, Ph.D. (sociol.), 68. **ASST. PROF. SOCIOL.** Brigham Young, 68-69, **UNIV. MINNESOTA & MACALESTER COL.**, 69- Oreg. res. consult. Boeing Co., 67-68. Social Assn.; Soc. Study Social Probs. Communication structure in complex organizations; occupational decision-making; religious disaffiliation; childlessness. Publ. Co-auth. Utah in numbers: comparisons, trends and descriptions, Brigham Young Univ., 68, Differential childlessness by color: the destruction of a cultural belief, J. Marriage & the Family, 69 & Growth in religious organizations: a comparative study, Social Sci., 70. Address: 2139 Goodrich Ave., St. Paul, Minn. 55105.

BRINKLEY, DR. GEORGE A(RNOLD). Political Science, International Relations. See A-K Vol. 11th ed. Soc. & Behav. Vols. New information: Also chmn. dept. govt. & int. studies & dir., 69- Program of Soviet & East European Studies, University of Notre Dame, Notre Dame, Ind. 46556.

BRINKMAN, DR. RICHARD LOUIS, b. Flushing, N.Y. Dec. 5, 29; m. 54; c. 1. **INTERNATIONAL ECONOMICS, ECONOMIC HISTORY**. B.S. Rutgers, 53, B.A., 54, Ph.D. (int. econ.), 65; M.A. Fletcher Sch. Law, 55, Hopkins, 56. Asst. prof. ECON. PORTLAND STATE, 61-65, **ASSOC. PROF.**, 66- Sig. C,

- U.S.A., 47-49. Econ. Asn; Econ. Hist. Asn. Economic development. Address: Dept. of Economics, Portland State University, P.O. Box 751, Portland, Ore. 97207.
- BRISCOE, DR. PEARL KNAPP, b. Ripley, Ohio, Jan. 7, 01; m. 69. PSYCHOLOGY. B.A., California, Los Angeles, 28, M.A. 38, Ph.D. 49. Psychologist, Los Angeles Psychiat. Serv., 42-49, CHIEF PSYCHOLOGIST, 49-57; CEDARS OF LEBANON MED. CENTER, LOS ANGELES, 58-61. Dipl. clin. psychol. Am. Bd. Exam. Prinl. Psychol. Fel. Psychol. Asn; N.Y. Acad. Sci. Evaluation of outcome, of short time psychotherapy, and short training courses for general practitioners. Address: 1801 N. Country Lane, Pasadena, Calif. 91107.
- BRISTOW, DR. RONALD MILTON, b. Los Angeles, Calif., Dec. 8, 32; m. 54; c. 2. EDUCATIONAL PSYCHOLOGY. A.B., Southern California, 54, M.S. in Ed., 59, Ed.D. (educ. psychol.), 66. Registrar, Calif. State Col. Fullerton, 60-62, assoc. dean students, 62-67, dir. activities & housing, 62-66, dir. counseling center, 66-67, dean students, 67-69; ASSOC. DEAN STUDENT AFFAIRS, CENT. ADMIN, STATE UNIV. N.Y., 69- U.S.N., 54-57, Lt.(jg), 54-57. Psychol. Asn. Address: State University of New York, Thurston Terr., Albany, N.Y. 12201.
- BRISTOW, DR. WILLIAM HARVEY. Education, Psychology. See A-K Vol. 11th ed, Soc. & Behav. Vols. New information: Ed. consult, Popular Sci. Audiovisuals, 68- Address: 70 Exeter St., Forest Hills, N.Y. 11375.
- BRITNEY, DR. J(OHN) BAILEY). Agricultural Economics. See A-K Vol. 11th ed, Soc. & Behav. Vols. New position & address: Asst. dir. res. & develop. serv., 69- CANFARM, Canada Dept. of Agriculture, P.O. Box 1024, Guelph, Ont., Can.
- BRITT, DR. JOHN F(RANCIS). Philosophy, Psychology. See Suppl. 1 to 5th ed, Dir. Am. Scholars.
- BRITTAIN, DR. CLAY VESTER. Educational Psychology. See A-K Vol. 11th ed, Soc. & Behav. Vols. New position: Dep. dir. ed. res. & requirements, U.S. Armed Forces Inst., 68- Address: 6217 Piedmont Rd., Madison, Wis. 53711.
- BROCK, DR. HORACE RHEA, b. Leggett, Tex., Aug. 26, 27; m. 55; c. 2. BUSINESS ADMINISTRATION, ACCOUNTING. B.S., Sam Houston State, 46, B.B.A. & M.A. 51, Ph.D.(bus. econ), Texas, 54. Asst. prof. acct., Arkansas, 53-54; North Texas State, 54-55; assoc. prof., 55-57; Ohio State, 57-58; prof., North Texas State, 58-67; adv. bus. admin. Mich. State-Agency for Int. Develop. Proj., Turkey, 67-69; CHMN. DIV. ACCT. NORTH TEXAS STATE, 69- Am. Inst. Cert. Pub. Acct. Am. Acct. Asn. Nat. Asn. Acct. Minority capitalism; natural resources accounting. Publ. Co-auth., College accounting, intermediate, 67 & College accounting, theory and practice, 69, McGraw; Introduction to taxation, Harcourt, 69. Address: School of Business Administration, North Texas State University, Denton, Tex. 76203.
- BROCK, DR. LARRY D., b. DuQuoin, Ill., Apr. 4, 34; m. 56; c. 4. PSYCHOLOGY. B.A., Southern Illinois, 56, Ph.D.(psychol.), 57; M.A., Ohio State, 60. U.S. Pub. Health Serv. trainee CLIN. PSYCHOL., Ohio State, 56-57; Vet. Admin. trainee, Vet. Admin. Hosp., Chillicothe, Ohio, 57-58; instr., Southern Illinois, 63-67; ASST. PROF. WASHINGTON (ST. LOUIS), 67- Asst. clin. psychol. & U.S. Pub. Health Serv. trainee, Southern Illinois, 63-67. Med. Serv. C, U.S.A., 58-63, Capt. Psychol. Asn. Personality theory; psychopathology; psychotherapy; behavior modification; experimental analogues to psychotherapy; human avoidance conditioning; incidental and verbal learning; social learning; personality development. Publ. Co-auth., Variability of the Palmontal reflex, J. Nerv. Ment. Disorders, 63 & Didactic training for counseling and psychotherapy in doctoral education, PIAP Bull., 65. Address: Dept. of Psychology, Washington University, St. Louis, Mo. 63130.
- BROCK, DR. WILLIAM A(LLEN), b. Philadelphia, Pa., Oct. 23, 41; m. 63. ECONOMICS, MATHEMATICS. A.B., Missouri-Columbia, 65; Ph.D.(math), California, Berkeley, 69. ASST. PROF. ECON. & MATH, ROCHESTER, 69- Economet. Soc; Math. Soc. Mathematical theory of optimal economic growth; models of economic growth. Publ. On existence of weakly maximal programs in a multisector economy, Rev. Econ. Studies, 70 & An axiomatic basis for the Ramsey-Weizsacker overtaking criterion: a note, Econometrica, 70; co-auth., Optimal growth under factor augmenting progress, J. Econ. Theory, 70. Address: Dept. of Economics, University of Rochester, Rochester, N.Y. 14627.
- BROCKEN, DR. CECILIA, b. Hodgkins, Ill., Nov. 4, 28. CHILD PSYCHOLOGY, SPEECH PATHOLOGY. B.S., Loyola (Ill.), 55, M.A., 65, Ph.D.(clin. psychol.), 70; M.A., Northwestern, 61. Teacher, Archdiocese of Chicago Cath. sch., syst. III, 49-61; private practice speech ther. & in-serv. teacher training, 61-63; psychol. clerkship, child guid center, Loyola (Ill.), 65; psychol. intern, PRESBY-ST. LUKE'S HOSP., 68-69, DIR. CHILD PSYCHOL. DIV. PEDIAT., 69- Principal, Our Lady of Bethlehem Residential Sch. for Girls, 56-61. Speech & Hearing Asn. Self-concept; body-image. Address: Section of Psychology, Presbyterian-St. Luke's Hospital, 1753 W. Congress Pkwy, Chicago, Ill. 60612.
- BROCKHAUS, REV. THOMAS A(QUINAS), O.S.B. Religion. See 5th ed, Dir. Am. Scholars, Vol. IV, Philos, Relig. & Law.
- BROCKMANN, DR. C(HARLES) THOMAS, b. Peoria, Ill., Dec. 19, 40. ANTHROPOLOGY. B.A., Northwestern, 62; Nat. Sci. Found. grant, Oregon, 65-66, Ph.D.(anthrop.), 68. Asst. anthrop., Oregon, 63-65; vis. instr. anthrop. & social, Montana, 66-67; instr. ANTHROP. WYOMING, 67-68, ASST. PROF., 68- Fel. Anthropol. Asn; Ethnol. Soc; Int. African Inst. Social and economic anthropology; modern social and economic organization of Indian reservations; social and economic organization and social stratification in Mesoamerica. Publ. The social classes of the modern flathead Indian reservation, Proc. 8th Int. Cong. Anthrop. & Ethnol. Sci., 68. Address: Dept. of Anthropology, University of Wyoming, Laramie, Wyo. 82070.
- BROCKOPP, DR. GENE WILLIAM. Psychology. See A-K Vol. 11th ed, Soc. & Behav. Vols. New position: Exec. dir., Suicide & Crisis Serv., 68- Address: 4516 S. Buffalo St., Orchard Park, N.Y. 14127.
- BROD, DR. NATHAN, b. Poland, Sept. 13, 19; U.S. citizen; m. 43; c. 1. PSYCHOLOGY. B.S., City Col. New York, 41; Ph.D.(psychol.), Yeshiva, 67, Instr. PSYCHOL., Pratt Inst., 67; ASST. PROF. PA. COL. OPTOM., 67- U.S.A., 42-46. Psychol. Asn; Statist. Asn; Ed. Res. Asn; Personnel & Guid. Asn. Influence of visual functions and perceptual skills on reading performance. Publ. Visual development and reading, Am. J. Optom. & Arch. Am. Acad. Optom., 2/69, A redefinition of some terms, J. Am. Optom. Asn., 2/69 & What is visual training, Optom. Weekly, 12/69. Address: 1100 Godfrey Ave., Philadelphia, Pa. 19141.
- BRODBECK, DR. ARTHUR JOSEPH. Social & Child Psychology. See A-K Vol. 11th ed, Soc. & Behav. Vols. New position & address: Prof., 69- Dept. of Social Science & Psychology, Pennsylvania State University, Capitol Campus, Middletown, Pa. 17057.
- BRODBECK, PROF. MAY. Philosophy. See 5th ed, Dir. Am. Scholars, Vol. IV, Philos, Relig. & Law.
- BRODERICK, ALBERT, O.P. Law, Religion. See 5th ed, Dir. Am. Scholars, Vol. IV, Philos, Relig. & Law.
- BRODIE, DOROTHY BENNETT. Clinical Psychology. See A-K Vol. 11th ed, Soc. & Behav. Vols. Change of address: 701 Valencia Ave., Coral Gables, Fla. 33134.
- BRODSKY, DR. MARVIN J. Psychology, Clinical Psychology. See A-K Vol. 11th ed, Soc. & Behav. Vols. New position & address: Assoc. prof., 68- Dept. of Psychology, University of Manitoba, Winnipeg 19, Man, Can.
- BRODSKY, DR. STANLEY L., b. Boston, Mass., July 22, 39; m. 62; c. 2. CLINICAL PSYCHOLOGY. B.A., New Hampshire, 60; M.A., Columbia, 62, Ph.D.(clin. psychol.), 64. Instr., exten. div., Mississippi, 62; intern clin. psychol., Walter Reed Gen. Hosp., 63-64; chief clin. psychologist & consult, U.S. Disciplinary Barracks, Ft. Leavenworth, Kans., 64-67; ASST. PROF. PSYCHOL., SOUTHERN ILLINOIS, 67- Instr., exten. div., Univ. Kansas, Leavenworth, 65-67; vis. res. fel., Center for Forensic Psychol., 70. Med. Serv. C, U.S.A., 63-67, Capt. Psychol. Asn; Correctional Asn. Correctional Psychol.(pres, 68-69). Criminal psychology; self-concept; projective techniques. Publ. Ed., The military prison, South. Ill. Univ., 70; co-auth., After they leave: a vocational follow-up study of former prisoners, Am. J. Correction, 67 & Impersonal and personal language patterns of repressors and sensitizers, J. Gen. Psychol., 68; auth., Excessive dispensary users in the military prison, Mil. Med., 68. Address: Center for Study of Crime, Delinquency & Corrections, Southern Illinois University, Carbondale, Ill. 62901.
- BRODY, DR. LAWRENCE, b. Brooklyn, N.Y., Apr. 30, 15; m. 37; c. 2. GUIDANCE, EDUCATION. B.S., Brooklyn Col. 36; M.A., Columbia, 38, Ed.D.(curriculum & teaching), 67. Serv. man, Executive Inc., 36-37; teacher in training, Far Rockaway High Sch., 37-38; lab. asst., New Utrecht High Sch., 38-40; teacher, Frederick Douglass Jr. High Sch., 40-42; chmn., meterol. dept., Bombardier Sch., Big Spring, Tex., U.S. Army Air Force, 43-44, staff weather officer, dept. res. & develop., Midland, 44-46; teacher, John Harrigan Jr. High Sch., 46-48; teacher & vet. couns., Bayside High Sch., 48-56; asst. prin., pub. schs., N.Y., 56-57, prin., 57-62; coordinator curriculum improv. prog., Mobilization for Youth Inc., 62-66; ASSOC. PROF. ED. & DIR. COL. DISCOVERY PROG. DIV. TEACHER ED., CITY UNIV. NEW YORK, 66- U.S.A.A.F., 42-46, 1st Lt. Ed. Res. Asn. Interactional resolution of roles in school settings; ecology of the teaching-learning relationship. Publ. Co-auth., How to organize a science congress, Am. Inst. 38; auth., Discovering and developing the college potential of disadvantaged youth, City Univ. New York, 68, 69; 70; Who is the disadvantaged child, In: Pathways in child guidance, New York City Bd. Ed., 67. Address: 121 Harvard Ave., Rockville Centre, N.Y. 11570.
- BRODY, DR. STUART A(LAN). Sociology, Law. See A-K Vol. 11th ed, Soc. & Behav. Vols. New position: Assoc. prof. law & asst. dean, McGeorge Sch. Law, Univ. of the Pacific, 69- Address: 6601 Willowbrae Way, Sacramento, Calif. 95831.
- BROEK, DR. JAN Q(TTO) M(ARIUS). Geography. See A-K Vol. 11th ed, Soc. & Behav. Vols. New information: Retired, July 70. Address: 235 Southampton Ave., Berkeley, Calif. 94707.
- BROKAW, DR. LELAND D(IXON). Psychology. See A-K Vol. 11th ed, Soc. & Behav. Vols. New position: Personnel res. psychologist, personnel res. div., Air Force Human Resources Lab., 69- Address: 9715 Carolwood Rd., San Antonio, Tex. 78213.
- BROMKE, PROF. ADAM. Political Science, International Relations. See A-K Vol. 11th ed, Soc. & Behav. Vols. New information: Also chmn., 69- Dept. of Political Science, Carleton University, Colonel By Rd., Ottawa 1, Ont., Can.
- BRONFENBRENNER, PROF. URIE. Psychology. See A-K Vol. 11th ed, Soc. & Behav. Vols. Change of address: Dept. of Human Development & Family Studies, Cornell University, Ithaca, N.Y. 14850.
- BROOK, DR. DAVID. Political Science. See A-K Vol. 11th ed, Soc. & Behav. Vols. New position: Assoc. prof., Jersey City State Col., 69- Address: 135 Hawthorne St., Brooklyn, N.Y. 11225.
- BROOKS, DR. DETON J. JR. Sociology, Education. See A-K Vol. 11th ed, Soc. & Behav. Vols. New position: Chmn., Chicago Dept. of Human Resources, 69- Address: 640 N. LaSalle St., Chicago, Ill. 60610.
- BROOKS, DR. HUGH E(ARL). Sociology, Social Psychology. See A-K Vol. 11th ed, Soc. & Behav. Vols. Change of address: 927 E. Pratt Dr., Palatine, Ill. 60067.

- BROOKS, DR. KARL MICHAEL.** Psychology. See A-K Vol, 11th ed, Soc. & Behav. Vols. New information: Also dir. honors prog, 69-, Florida Agricultural & Mechanical University, Tallahassee, Fla. 32307.
- BROOKS, PROF. KEITH.** Communications. See A-K Vol, 11th ed, Soc. & Behav. Vols. New publ: Co-auth, Literature for Listening, Allyn & Bacon, 68. Address: Dept. of Speech, Ohio State University, 154 N. Oval Dr, Columbus, Ohio 43210.
- BROOKS, DEAN MARJORIE, b. Amarillo, Tex. Mar. 16, 21. COUNSELING PSYCHOLOGY.** B.S., Miss. State Col. Women, 43; M.S., Idaho, 51; Ph.D., Ohio State, 63. Chem. analyst, E.I. du Pont de Nemours, 43-44; chemist, Cities Serv. Corp., 44-47; teacher, pub. schs., Miss., 47-50; high sch., Idaho, 51-53; Wash., 53-57; instr. home econ., Washington State, 57-60; dir. sch. home econ. & head home econ. res., Montana State, 63-67; DEAN COL. HOME ECON., MARYLAND, 67-. Consult., cmt. voc. ed., Mont. State Bd. Regent, 65-67. Mem., Mont. Voc. Ed. Adv. Coun., 64-67; Gov. Cnn. State Women, Mont., 65-67. Fel. AAAS. Interpersonal and intrapersonal interaction childhood patterns as motivating factors of adult behavior choices, specifically with marriage, education and work choices of women, and of monozygotic twins. Publ. Parent-daughter interrelationships as factors of non-marriage; studied in identical twins. J. Family Rel., 8/65. From the armchairs-toward the future, J. Home Econ., 6/66 & Housekeeping-1984, Exec. Housekeeping, 8/68. Address: 4 Indian Spring Dr. Silver Spring, Md. 20901.
- BROOKS, DR. ROBERT D.** Communication. See 5th ed, Dir. Am. Scholars, Vol. I, Hist.
- BROOKS, DR. ROBERT (SCOTT).** Speech. See 5th ed, Dir. Am. Scholars, Vol. II, Eng. Speech & Drama.
- BROOKS, DR. SHEILAGH T (HOMPSON).** Physical Anthropology. See A-K Vol, 11th ed, Soc. & Behav. Vols. New position: Prof. anthrop., 69-. Dept. of Anthropology & Sociology, University of Nevada, Las Vegas, Nev. 89109.
- BROOKS, DR. SYLVIA.** Psychology. See A-K Vol, 11th ed, Soc. & Behav. Vols. New information: No longer with N.Cent. Mass. Ment. Health Center. Address: 2 Ware St. Apt. 309, Cambridge, Mass. 02138.
- BROOKS, PROF. WILLIAM (DEAN).** Speech Communication & Education. See 5th ed, Dir. Am. Scholars, Vol. II, Eng. Speech & Drama.
- BROOMFIELD, DR. JOHN HINDLE.** Modern South Asian History. See 5th ed, Dir. Am. Scholars, Vol. I, Hist.
- BROSOGOLE, DR. LEONARD, b. New York, N.Y. Mar. 4, 37; m. 58; c. 1. EXPERIMENTAL PSYCHOLOGY.** B.B.A., City Col. New York, 58, fel. 58-60; M.A., New Sch. Soc. Res., 60; Ph.D. (psychol.), Yeshiva, 66. Res. asst. psychol., N.Y. State Cmn. Against Discrimination, 58-62; sensory psychol., Albert Einstein Col. Med., 62; comp. psychol., State Univ., N.Y., Downstate Med. Center, 62-64; dir., Visual Perception Lab., Naval Training Device Center, 65-67; ASSOC. PROF. PSYCHOL., ST. JOHN'S (N.Y.), 67-. Psychol. Assn. Visual perception; perception of motion and egocentric space localization. Publ.: Induced autokinetics, 2: 69-73 & co-auth., The role of phenomenal displacement on the perception of the visual upright, 2: 179-188. Perception & Psychophys., aut. An analysis of induced motion, Acta Psychol., 28: 1-44. Address: Dept. of Psychology, St. John's University, Jamaica, N.Y. 11432.
- BROUDE, PROF. HENRY (WALTER).** Economics. See A-K Vol, 11th ed, Soc. & Behav. Vols. New information: Also dir. acad. planning, 69-, Yale University, 133 Hall of Graduate Studies, New Haven, Conn. 06520.
- BROWN, DR. ALICE COOKE.** American History & Government. See 5th ed, Dir. Am. Scholars, Vol. I, Hist.
- BROWN, DR. BERNARD GUSTAVE, b. New York, N.Y. May 12, 31; m. 61; c. 2. ECONOMICS.** B.A., City Col. New York, 53; Ph.D. (econ.), Wisconsin, 59. Asst. prof. ECON. Fla. State, 59-60; HOUSTON, 60-65, ASSOC. PROF., 65-. Econ. Assn. The economics of the public sector; economic development; local government; economics of education. Publ.: Co-auth., A case study of urban expansion, U.S. Dept. Agr., 65; auth., Municipal finance and annexation, Soc. Sci. Quart., 12/67. Minorities and public education, Am. J. Econ. & Soc., 70. Address: Dept. of Economics, University of Houston, Houston, Tex. 77004.
- BROWN, DR. BERT (ROBERT).** Social Psychology. See A-K Vol, 11th ed, Soc. & Behav. Vols. Change of address: Dept. of Organizational Behavior, Cornell University, Ithaca, N.Y. 14850.
- BROWN, DR. DAVID L (OUISS).** Psychology. See A-K Vol, 11th ed, Soc. & Behav. Vols. New position & address: Fel., 68-. Dept. of Anatomy, Albert Einstein College of Medicine, Bronx, N.Y. 10461.
- BROWN, DR. DONALD V (AUGHN).** Psychology. See A-K Vol, 11th ed, Soc. & Behav. Vols. New position: Mgr. govt. systs. dept., Syst. Develop. Corp., Falls Church, 68-. Address: 6610 N. 25th St., Arlington, Va. 22213.
- BROWN, PROF. EDGAR CARY.** Economics. See A-K Vol, 11th ed, Soc. & Behav. Vols. Change of address: Dept. of Economics, ES2-374, Massachusetts Institute of Technology, 77 Massachusetts Ave., Cambridge, Mass. 02139.
- BROWN, LT. COL. FREDERIC JOSEPH, III, U.S.A. b. Ft. Sill, Okla., July 18, 34; m. 56; c. 3. POLITICAL SCIENCE, INTERNATIONAL RELATIONS.** B.S., U.S. Mil. Acad., 56; lic. int. rels., Grad. Inst. Studies, Geneva, 63, Ph.D. (polit. sci., int. rels.), 67. U.S. ARMY, 56-. instr. int. rels., dept. soc. sci., U.S. Mil. Acad., 63-65, asst. prof., 65-66, spec. asst. to Joint Chiefs of Staff for counter insurgency & spec. activities, Off. Joint Chiefs Staff, 68-69, ANALYST, OFF. COORDINATOR ARMY STUDIES, OFF. CHIEF OF STAFF, 70-. Army Commendation Medal, 58, 24 Air Medals, 66-70, Silver Star, Bronze Star-Valor & Vietnamese Cross of Gallantry, 67, Joint Serv. Commendation Medal, Distinguished Flying Cross & Meritorious Serv. Medal, 69, Legion of Merit & 4 Bronze Stars, 70. Inst. Strategic Studies. The national security policy process, including formulation and execution; problems and prospects facing the military profession. Publ.: Chemical warfare: a study in restraints, Princeton, 68. Its all relative. Armor, 61; contrib. chap. In: Dynamics of international politics, MacMillan, 66. Address: 1116 Allison St., Alexandria, Va. 22302.
- BROWN, DR. FREDERICK G (RAMM).** Psychology. See A-K Vol, 11th ed, Soc. & Behav. Vols. New position: Prof. psychol., 68-, Iowa State University, 212 Beardshair Hall, Ames, Iowa 50010.
- BROWN, PROF. FREDERICK WILLIAM, JR. b. Northampton, Mass. Feb. 18, 32; m. 52; c. 2. MANAGEMENT.** B.S.B.A., Am. Int. Col., 53; M.B.A., West. New Eng. Col., 61. Instr. MGT, Nichols Col., 62-63; ASSOC. PROF. WEST. NEW ENG. COL., 63-. chmn. dept., 67-69. Application of the behavioral science concepts to the business firm and its environment. Address: North Rd., R.F.D. 1, Northampton, Mass. 01060.
- BROWN, DR. GEORGE H (AY).** Economics, Marketing. See A-K Vol, 11th ed, Soc. & Behav. Vols. New position: Dir. Bur. of Census, 69-. Address: 1103 N. Watergate E., Washington, D.C. 20037.
- BROWN, DR. GILBERT (THOMAS).** Economics. See A-K Vol, 11th ed, Soc. & Behav. Vols. Change of address: Office of Program & Policy Coordination, Agency for International Development, Washington, D.C. 20523.
- BROWN, DEAN HORACE.** Marketing. See A-K Vol, 11th ed, Soc. & Behav. Vols. New information: No longer, V-pres. bus. & finance, Oklahoma, 69. Address: College of Business Administration, University of Oklahoma, 307 West Brooks, Room 208, Norman, Okla. 73069.
- BROWN, JAMES F., b. Huntington, W. Va., July 26, 34; m. 58; c. 2. INDUSTRIAL PSYCHOLOGY.** B.A., Marshall, 58; M.S., N.C. State, 62. Instr. psychol., N.C. State, summer 59; engr., Martin Human Eng. Group, Martin-Marietta Corp., Ohio, 60-61, sr. engr., 61-64; sr. res. engr., Bunker-Ramo Human Eng. Group, 64-66, mem. tech. staff, SYST. EFFECTIVENESS LAB., BUNKER-RAMO CORP., 67. PRIN. INVEST., 67-. U.S.A., 54-56. Assoc. Psychol. Assn. Human Factors Soc.; U.S. Dept. Army, 65-68. Res. theory applied to the design of automated teaching devices; research on design of aircraft controls and displays and on man-computer relationship involved in command and control systems. Address: 1784 Fred Ave., Simi, Calif. 93065.
- BROWN, LEONARD (RALPH), b. Dayton, Ohio, Dec. 28, 20; m. 52; c. 3. ECONOMICS, URBAN-REGIONAL PLANNING.** B.A., American Univ., 59, M.A., 62; George Washington, 64-67. Engr., U.S. Navy Hydrographic Off., U.S. Dept. Navy, 42-44 & 46-51, res. analyst, Off. Naval Intel, 51-62; coord. fed. prog. coord. & recreation planning, Bur. Outdoor Recreation, U.S. Dept. Interior, 62-65, mem. youth conserv. cmt., 62-63; superv. economist, Civil Works District, Off. Chief Engr., U.S. Dept. Army, 65-68. RES. SCIENTIST, OFF. WATER RESOURCES RES. U.S. DEPT. INTERIOR, 68-. Mem. staff, President's Recreation Adv. Coun., 62-64; mem. interagency adv group, President's Coun. Phys. Fitness, 63-64; submt. hwyms, President's Appalachian Regional Coun., 63-64; cmt. water resources res. Fed. Coun. Sci. & Tech., 66-68. U.S.A., 44-46. Econ. Assn. Water resource planning and evaluation; urban and regional economics; public administration. Address: 4218 Old Columbia Pike, Annandale, Va. 22003.
- BROWN, DR. MORTIMER.** Psychology. See A-K Vol, 11th ed, Soc. & Behav. Vols. New position: Prof. psychol., Fla. State, 69-. Address: 2224 Limerick Dr., Tallahassee, Fla. 32303.
- BROWN, DR. MORTON B., b. Montreal, Can. Dec. 15, 41. STATISTICS.** B.Sc., McGill, 62; M.A., Princeton, 64, Ph.D. (math), 65. Asst. res. statistician, California, Los Angeles, 65-68; VIS. LECTR. STATIST., TEL-AVIV, 68-. Statist. Assn; Biomet. Soc. Applied statistics; biostatistics. Address: Dept. of Statistics, Tel-Aviv University, Tel-Aviv, Israel.
- BROWN, DR. NORMAN LOOSE, b. Wichita, Kans. Dec. 21, 16; m. 39; c. 4. ECONOMICS.** A.B., Kansas, 38, J.D., 40; Nat. Defense Ed. Act fel. La. State, 60-63, Ph.D. (econ), 63. Private practice law, 40-60; instr. bus. Friends, 59-60; ASSOC. PROF. ECON. VA. POLYTECH., 63-. U.S.N. 44. Econ. Assn; Bus. Law Assn. Micro economic theory; macro economic theory; business law. Publ.: Co-auth., The economics of the right to work controversy revisited, South Econ. J., 1/69. Address: Dept. of Economics, Virginia Polytechnic Institute, Blacksburg, Va. 24060.
- BROWN, DR. REX VANDESTEENE, b. London, Eng. Sept. 25, 33; m. 65; c. 3. STATISTICS.** B.A., Cambridge, 57, M.A., 60, fel. 62-63; London Sch. Econ., 57-58; D.B.A., Harvard, 68. Mem. staff mkt. res. Wallace Attwood Co., 58-60; proj. leader, Martech Consults, Ltd., 60-62; head res. Metra Consult Group, 63-64; lectr. decision theory, Harvard Bus. Sch., 64-68; ASSOC. PROF. BUS. ADMIN. MICHIGAN, 68-. Mkt. Sci. Inst. res. grant, 68-70. Consult., Metra Int. Consult. Group, 64-67; Ford Motor Co., 69-. R.N., 52-54. Inst. Mgt. Sci., Oper. Res. Soc.; fel. Royal Statist. Soc.; fel. Brit. Inst. Statist. (C. Oswald George award, 67). Statistical decision theory; sample survey methodology; Bayesian inference; credence analysis; marketing research. Publ.: Research and the credibility of estimates, Harvard Bus. Sch., 69; co-auth., Marketing research and information systems, McGraw, 69; auth., Do managers find decision theory useful?, Harvard Bus. Rev., 70. Address: Dept. of Business Administration, University of Michigan, Ann Arbor, Mich. 48104.
- BROWN, DR. RICHARD EUGENE, b. Little Falls, N.Y. June 30, 37; m. 61; c. 2. POLITICAL SCIENCE, PUBLIC ADMINISTRATION.** A.B., Hope Col., 59; M.P.A., Michigan, 62; M.P.A., Harvard, 66, D.P.A., 68. Admin. asst., Nat. Security Agency, 60-61; mgt. intern. off. gen. mgr. Tenn. Valley authority, 61-62, financial analyst, 62-68; asst. to gen. mgr. 68-69; ASSOC. PROF. PUB. ADMIN., COL. WILLIAM & MARY, 69-. Via. asst. prof., Knoxville, 65. Consult., U.S. Gen. Acc't. Off. & Senate Cmt. Govt. Oper., 69-70; NASA,

- summer 70. Soc. Pub. Admin. Polit. Sci. Assn. Acad. Polit. & Soc. Sci. Legislative review of executive operations; organizational theory, particularly organization long-range planning and performance evaluation; design of governmental institutions to solve public policy problems. Publ: The GAO: untapped source of congressional power, Univ. Tennessee, 70; co-auth. Tributary area development: TVA's approach to sub-regional development, *Land Econ.*, 2/69; auth. The invisible hand in management: a fable?, *Personnel J.*, 2/70. Address: Dept. of Government, College of William & Mary, Williamsburg, Va. 23185.
- BROWN, DR. ROBERT ADKINS, b. Richmond, Va. Mar. 18, 36; m. 63; c. 4. PSYCHOLOGY. B.A., Richmond, 59; U.S. Pub. Health fel., Iowa, 60-61; M.A., 61, Ph.D.(clin. psychol.), 62. Psychol. trainee, Vet. Admin. Hosp., Iowa City, 59-60 & 61-62; from instr. to ASSOC. PROF. PSYCHOL., SOUTHWEST MED. SCH., TEXAS, 62- Assoc. consult. staff, Parkland Mem. Hosp., 62- Psychiat. consult., Columbia Proj., Peace Corps, El Paso, Tex., 62-63; voc. consult. bur. hearings & appeals, Soc. Security Admin., 64-66; psychol. consult. Family Counseling & Children's Serv., Waco, Tex., 64-67; consult. Methodist Home, Waco, 64-; Wichita Falls State Hosp., Tex., 65- Mem. hosp. staff develop. cmt. Nat. Inst. Ment. Health, 69-72. Psychol. Assn. Group and family psychotherapy; psychological aspects of physical disability; community psychology. Publ: Co-auth. Kuder-Strong discrepancies and personality adjustment, *J. Counseling Psychol.*, 11: 63-66; auth. Work decrement, kinesic after-effect and personality, *J. Personality & Soc. Psychol.*, 2: 868-872; co-auth. The Peabody picture vocabulary test as a measure of general adult intelligence, *J. Consult. & Clin. Psychol.*, 34: 8-11. Address: 5323 Harry Hines Blvd., Dallas, Tex. 75235.
- BROWN, DR. ROBERT T. b. Greenwich, Conn. Jan. 3, 40; m. 64; c. 1. DEVELOPMENTAL & EXPERIMENTAL PSYCHOLOGY. A.B., Hamilton Col., 61; U.S. Pub. Health Serv. fel., Yale, 63-65, Ph.D.(psychol.), 66. Vis. asst. prof. PSYCHOL., Col. William & Mary, 67-68; ASST. PROF. NORTH CAROLINA, CHAPEL HILL, 68- U.S. Pub. Health Serv. fel., Sussex, 65-67. U.S.M.C., 58-64. AAAS: Assn. Study Animal Behav.; Psychonomic Soc.; Psychol. Assn.; N.Y. Acad. Sci. Effects of early environment on later behavior; formation of social attachments; effects of instrumental discrimination learning on extinction; comparisons between effects of extinction and effects of punishment. Publ: Co-auth. Resistance to punishment and extinction following training with shock or nonreinforcement, *J. Exp. Psychol.*, 64: Generalized partial reinforcement effect, 65 & auth. Early experience and problem-solving ability, 68, *J. Comp. Physiol. Psychol.*, N.C. Dept. of Psychology, University of North Carolina, Chapel Hill, N.C. 27514.
- BROWN, DR. STEPHEN WILLIAM, b. West Monroe, La. Jan. 19, 36; m. 62. EDUCATIONAL PSYCHOLOGY. B.A., Northeast La. State Col., 58; M.Ed., La. State, 62; Ed.D.(sch. admin. ed. psychol.), Miss. State, 69. House dir. Northwest State, 67-68; asst. ed. psychol., Personality & Soc. Psychol. PROF. behav. sci., Dallas, 68-; ED. AUBURN, MONTGOMERY, 70. U.S.A.R., 69- Psychol. Assn.; Personnel & Guid. Assn. School administration; maternal employment and juvenile delinquency. Address: 5659 Calmar Dr., Apt. J, Montgomery, Ala. 36111.
- BROWN, DR. STEPHEN WOODY. Psychology. Education. See A-K Vol, 11th ed, Soc. & Behav. Vols. New position & address: Dir. ed., 69-, Medical Television Network, University of California School of Medicine, 10962 Le Conte St, Los Angeles, Calif. 90024.
- BROWN, DR. THEODORE MORRIS. History of Science & Biology. See 5th ed, Dir. Am. Scholars, Vol. I, Hist.
- BROWN, PROF. WILLIAM G(ALEN). Agricultural Economics. See A-K Vol, 11th ed, Soc. & Behav. Vols. Change of address: 720 N.W. 31st St, Corvallis, Ore. 97330.
- BROWN, DR. WILLIAM O(SCAR). Sociology. See 11th ed, Soc. & Behav. Vols, deceased 69.
- BROWN, DR. WILSON B., b. Glen Ridge, N.J. Apr. 12, 38; m. 63; c. 1. ECO-NOMICS, INTERNATIONAL BUSINESS. A.B., Brown, 61; M.A., Fletcher Sch. Law, 62, M.A.L.D., 63, Ph.D., 66. ASST. PROF. econ. Colby Col., 64-69; INT. BUS. NORTHERN ILLINOIS, 69- Development of Peruvian exports since 1900; foreign exchange and Eurodollar; international finance; firm's adjustment to import competition. Address: 141 Mason Ct, Sycamore, Ill. 60178.
- BROWNE, DR. DONALD R. Mass Communications. See 5th ed, Dir. Am. Scholars, Vol. II, Eng. Speech & Drama.
- BROWNE, PROF. MICHAEL. Communication & Theatre Arts. See 5th ed, Dir. Am. Scholars, Vol. II, Eng. Speech & Drama.
- BROWNING, PROF. GRAINGER, b. Weldon, N.C. Nov. 5, 17; m. 47; c. 2. SOCIOLOGY. A.B., Shaw, 39; M.A., Boston, 46, Ph.D.(sociol.), 62. Instr. sociol. Agr. & Tech. Col.(N.C.), 47-49; dir. older men's, Ellis Mem. Settlement, Boston, 52-53; instr. psychol. Mass. Inst. Tech., 53-54; asst. prof. sociol., J.C. Smith Univ., 54-58; community organizer, United S. End Settlements, Boston, 58-62; assoc. prof. SOCIOLOGY, Hampton Inst., 63-66; PROF. FITCHBURG STATE COL., 66- Sol. Assn. Urban sociology; social work. Publ: Co-auth. Negro population patterns in the Mid-South, *Hampton Annual*, 65. Address: 15 Cedar St, Fitchburg, Mass. 01420.
- BROWNING, DR. RUFUS CHARLES. Psychology. See A-K Vol, 11th ed, Soc. & Behav. Vols. New position: Asst. to pres., Montgomery Col., 69- Address: 2213 Parker Ave, Silver Spring, Md. 20902.
- BROWNLEE, DEAN (EBECCA) JEAN. Political Science. See A-K Vol, 11th ed, Soc. & Behav. Vols. Change of address: The Dorchester, 226 S. 19th St, Apt. 1712, Philadelphia, Pa. 19103.
- BRUCE, HARRY JAMES. Economics. See A-K Vol, 11th ed, Soc. & Behav. Vols. New position: Dir. distribution, Jos. Schlitz Brewing Co. Inc., 69-
- New publ: Transportation and distribution handbook, Cahners, 70. Address: 1059 Crestview Dr., Barrington, Ill. 60010.
- BRUCE, DR. JAMES MARTIN, b. Shawnee, Okla. June 29, 36; m. 64. SOCIOLOGY. A.B., Oklahoma, 61, A.M., 65; Nat. Inst. Ment. Health fel., Brown, 65-68; Nat. Sci. Found. grant, 67-68, Ph.D.(sociol.), 69, Claims rep. Dept. Health, Ed. & Welfare, 61-64; ASST. PROF. SOCIOLOGY, MT. HOLYOKE COL., 68-; faculty res. grant, summer 69. U.S.A., 57-60. Sociol. Assn. Pop. Assn. Am.; Soc. Sci. Study Relig. Social mobility and its relationship to social participation and class boundaries. Publ: Intragenerational occupational mobility & visiting with kin and friend, *Soc. Forces*, 70. Address: Dept. of Sociology, Mt. Holyoke College, South Hadley, Mass. 01075.
- BRUCE, DR. MARTIN (MARC). Psychology. See A-K Vol, 11th ed, Soc. & Behav. Vols. New publ: A guide to human relations in business and industry. M. M. Bruce, 69. Address: 340 Oxford Rd, New Rochelle, N.Y. 10804.
- BRUCK, DR. NICHOLAS K. Economics. See A-K Vol, 11th ed, Soc. & Behav. Vols. Correction: Int. economist, Inter-Am. Develop. Bank, 68- New information: Prof. lectr., American Univ. Address: 13005 Foxden Dr., Potomac, Md. 20850.
- BRUCKER, DR. ERIC, b. Cheltenham, Pa. Dec. 7, 41; m. 65; c. 1. ECONOMICS. B.S., Delaware, 63, Ph.D.(econ.), 64, Inter-Am. ECON. Duke, 64-66; ASST. PROF. Southern Illinois, 66-70; DELAWARE, 70- Econ. Assn.; Finance Assn. Empirical analyses of the structure and functioning of local banking markets, particularly competitive factors. Publ: The structure and performance of Southern Illinois banking, *Bus. Perspectives*, spring 69. Address: Dept. of Economics, University of Delaware, Newark, Del. 19711.
- BUELLE, DR. CHRISTOPHER JOHN, b. Brooklyn, N.Y. Dec. 11, 42; m. 63; c. 1. POLITICAL SCIENCE. B.A., Cornell, 64; univ. fel., Chicago, 64-67, M.A. 66, Nat. Sci. Found. fel., 67-69, Woodrow Wilson fel. & Ph.D.(polit. sci.), 69. ASST. PROF. POLIT. SCI., BOSTON COL., 69- Polit. Sci. Assn. Classical political philosophy; Greek history and literature; modern political philosophy. Address: Dept. of Political Science, Boston College, Chestnut Hill, Mass. 02167.
- BRUENING, DR. JOSEPH HERBERT. Sociology. See A-K Vol, 11th ed, Soc. & Behav. Vols. Correction: Asst. prof., 60-69, assoc. prof., 69-, Dept. of Sociology, University of Mississippi, University, Miss. 38677.
- BRUHN, DR. JOHN GLYNDON. Medical Sociology. See A-K Vol, 11th ed, Soc. & Behav. Vols. New position: Prof. human ecol. & chmn. dept., 69-, School of Health, University of Oklahoma Medical Center, 800 N.E. 13th St, Oklahoma City, Okla. 73104.
- BRUNING, DR. ROGER H., b. Bruning, Nebr. Mar. 7, 42; m. 65; c. 1. EDUCATIONAL PSYCHOLOGY. B.A., Nebraska, 63, M.A., 65, Ph.D.(ed. psychol.), 68. ASST. PROF. ED. PSYCHOL., NEBRASKA, LINCOLN, 68- Consult. Nebr. TV Coun. on Nursing Ed., 69- AAAS; Ed. Res. Assn.; Psychol. Assn. Learning from written materials; short term retention. Publ: Effects of review and test like events within the learning of prose materials, 68 & Short term retention of specific factual information in prose contexts of varying organization and relevance, 70, *J. Ed. Psychol.* Address: Dept. of Educational Psychology, University of Nebraska Teachers College, Lincoln, Nebr. 68508.
- BRUNN, DR. STANLEY D(AVID). Geography. See A-K Vol, 11th ed, Soc. & Behav. Vols. New position & address: Asst. prof., 69-, Dept. of Geography, Michigan State University, East Lansing, Mich. 48823.
- BRUNNER, DR. (GEORGE) ALLEN, b. Marion, Ohio, Sept. 2, 32; m. 52; c. 2. MARKETING, BUSINESS. B.B.A., Toledo, 57, M.B.A., 59; Fred B. & Mabel Dean Hill fel., Ohio State, 62, Ph.D.(bus.), 64. Instr. MKT., Ohio State, 62-63; asst. prof. Maryland, 63-67; ASSOC. PROF., TOLEDO, 67- U.S.A. 53-55. Mkt. Assn. Minority enterprise; improvement of field data gathering techniques; transportation; personal bankruptcies. Publ: Personal bankruptcies: trends and characteristics, *Bus. Bus. Res.*, Ohio State Univ., 65; co-auth. The effect of prior notification on the refusal rate in fixed address surveys, *J. Advert. Res.*, 3/69 & Marketing and minority enterprise: opportunity or syndrome, *Am. Mkt. Assn.*, 12/69. Address: College of Business Administration, University of Toledo, Toledo, Ohio 43606.
- BRUNSHWIG, DR. LILY. Psychology. See A-K Vol, 11th ed, Soc. & Behav. Vols. Change of address: Park Dr., Manor B 1201, Philadelphia, Pa. 19144.
- BRUSH, DR. EDWIN FRANKLYN, JR. Chemical Metallurgy, Materials Science. See Suppl. V to 11th ed, Phys. & Biol. Vols.
- BRUSH, PROF. FRANKLIN ROBERT. Experimental Psychology. See A-K Vol, 11th ed, Soc. & Behav. Vols. New information: Ed. Learning & Motivation. Address: Dept. of Medical Psychology, University of Oregon Medical School, 3181 S.W. Sam Jackson Park Rd, Portland, Ore. 97201.
- BRUYERE, DR. DONALD EUGENE. Geography. See A-K Vol, 11th ed, Soc. & Behav. Vols. New information: Also chmn., 69-, Dept. of International Studies, Wisconsin State University, Oshkosh, Wis. 54901.
- BRYAN, DR. FREDERICK ALLEN, Jr. Physics, Mathematics. See Suppl. V to 11th ed, Phys. & Biol. Vols.
- BRYAN, DR. GLENN L(EVAN). Psychology. See A-K Vol, 11th ed, Soc. & Behav. Vols. New position: Dir. psychol. sci. div., 69-, Office of Naval Research, Code 450, Washington, D.C. 20360.
- BRYAN, PROF. RICHARD W(ALKER). Economics, Finance. See A-K Vol, 11th ed, Soc. & Behav. Vols. New position & address: Prof., 69-, Dept. of Business Administration, Athens College, Athens, Ala. 35611.
- BRYANT, (ARTHUR) LYNN. Economics, Management. See Suppl. V to 11th ed, Phys. & Biol. Vols.

- BRYANT, DR. HAROLD L. b. Somerset, Ky. Dec. 12, 34; m. 60; c. 2. ECONOMICS. B.S., Cincinnati, 62, M.A. 63, M.C.P. 65, Ph.D. (econ), 67. ASST. PROF. ECON. Centre Col. 65-67; XAVIER (OHIO), 67- (consult, U.S. Army Corps Engrs, 68-69. U.S.A.F. 54-58. Econ. Assn. International monetary problems; regional economics, especially water pollution. Publ: Co-auth, incidence and formation of mine drainage pollution, Appalachian Regional Cmn, 69 & chaps, In: Development of water resources in Appalachia, U.S. Army Corps Engrs, 70. Address: Dept. of Economics & Finance, Xavier University, Cincinnati, Ohio 45207.
- BRYANT, DR. VAUGHN M(OTLEY). Anthropology, Botany. See 12th ed, Phys. & Biol. Vols.
- BRYCE, MURRAY DAVIDSON. Economics, Public Administration. See A-K Vol, 11th ed, Soc. & Behav. Vols. New information: Pres. Can. Proj. Ltd, 68- Address: 1123 Crestline Rd, West Vancouver, B.C., Can.
- BRYNTESON, DR. WILLIAM EVERETT. History. See 5th ed, Dir. Am. Scholars, Vol. 1, Hist.
- BRYSON, PROF. KENNETH D. Speech. See 5th ed, Dir. Am. Scholars, Vol. II, Eng, Speech & Drama.
- BRYSON, PROF. MARION R(ITCHIE). Mathematical Statistics. See A-K Vol, 11th ed, Soc. & Behav. Vols. New position & address: Tech. dir, 68-, U.S. Army Institute of Systems Analysis, Ft. Belvoir, Va. 22060.
- BUCHANAN, DR. BRUCE S. Computer Science. See Suppl. VI to 11th ed, Phys. & Biol. Vols.
- BUCHANAN, DR. DONALD A(LAN). Experimental Psychology. See A-K Vol, 11th ed, Soc. & Behav. Vols. New position & address: Assoc. prof, 69-, Purdue University, 1201 E. 38th St, Indianapolis, Ind. 46205.
- BUCHANAN, DR. GARTH NORMAN. Experimental Psychology. See A-K Vol, 11th ed, Soc. & Behav. Vols. New position: Sr. res. staff & proj. dir, Urban Inst, 69- Address: 6362 Dockser Terr, Falls Church, Va. 22041.
- BUCHMAN, PROF. RANDALL L. Social Studies. See 5th ed, Dir. Am. Scholars, Vol. I, Hist.
- BUCK, DR. JAMES R. b. Big Rapids, Mich. Feb. 22, 30; m. 62; c. 2. INDUSTRIAL ENGINEERING. B.S., Michigan Tech, 52, M.S. 53; Ph.D. (industrial eng), Michigan, 64. Mat. engr. U.S. Naval Civil Eng. Res. & Eval. Lab, Calif, 52-53; contract officer, U.S. Naval Civil Eng. Corps, San Diego, Calif, 53-56; field rep., Calumet Flexcor Corp, Ind, 57-58; instr. math. & tech. instr., Ferris State Col, 58-59; res. asst., inst. sci. & tech, Univ. Michigan, 60-62; asst. prof. eng. instr., Univ. Michigan, Dearborn, 63-64; ASSOC. PROF. INSTR. & RES. SCH. INDUSTR. ENG. PURDUE, 65- Civil Eng. C, U.S.N. Lt. (Ret). Sr. mem. Am. Inst. Indust. Eng; Tech. Inst. Mgt. Sci. Am. Soc. Eng. Ed; Human Factors Soc. Decision making; problem solving; search behavior; engineering economics, human factors. Address: School of Industrial Engineering, Purdue University, Lafayette, Ind. 47903.
- BUCK, DR. LUCIEN ALAN, b. Boston, Mass. Nov. 30, 30; m. 54; c. 4. PSYCHOLOGY. B.A., Massachusetts, 57, M.S. 60, Ph.D. (psychol), 62. Clin. psychologist, Vet. Admin. Hosp., Northampton, Mass, 62-63; ASSOC. PROF. PSYCHOL., DOWLING COL., 63- Consult, Cleary Sch. Deaf, Lake Ronkonkoma, N.Y. 66- Suffolk County Hearing & Speech Center, Bay Shore, N.Y. 67- Dipl. Am. Bd. Exam. Prinl. Psychol, 68. U.S.A. 51-54. AAAS; Psychol. Assn. Perception; psychotherapy; states of consciousness; education. Publ: Co-auth, Perceptual categorization of love and anger cues in schizophrenia, J. Abnorm. & Soc. Psychol, 67: 480-490 & A theory of communication in psychotherapy, Psychother: Theory, Res. & Practice, 3: 7-13, auth, Varieties of consciousness: comparison of some cognitive characteristics, Perceptual & Motor Skills, 30: 183-186. Address: Dept. of Psychology, Dowling College, Idle Hour Blvd, Oakdale, N.Y. 11769.
- BUCK, PROF. MARION A(SHBY). Economics, Government. See A-K Vol, 11th ed, Soc. & Behav. Vols. New information: Chmn, Dept. of Economics, California State College at Dominguez Hills, Dominguez Hills, Calif. 90247.
- BUCK, DR. VERNON ELLIS. Industrial Sociology. See A-K Vol, 11th ed, Soc. & Behav. Vols. New position & address: Assoc. prof, 68-, Graduate School of Business Administration, University of Washington, 322 Mackenzie Hall, Seattle, Wash. 98105.
- BUCKHOUT, DR. ROBERT. Experimental & Social Psychology. See A-K Vol, 11th ed, Soc. & Behav. Vols. New position & address: Vis. asst. prof, 69-, Dept. of Psychology, University of California, Berkeley, Calif. 94720.
- BUCKINGHAM, DR. GUY EMERSON. Psychology. See A-K Vol, 11th ed, Soc. & Behav. Vols. New information: Emer. prof, Allegheny Col, 69- Address: 393 Byllesby Ave, Meadville, Pa. 16335.
- BUCKLEY, DR. ARTHUR EDWARD, b. Fall River, Mass. Feb. 26, 18; m. 51; c. 2. ECONOMICS, TRANSPORTATION. B.S., Alabama, 39, M.S. 56, fel, 64-66, Ph.D. 66. ASST. PROF. BUS. ADMIN., THE CITIDEL, 66- Lectr, Far East proj. Univ. Maryland, 57-; ext. dir. Univ. South Carolina, 67-; sch. med, 68-; fel, Case Western Reserve, 69. U.S.A. 41-46, Res. 48-63, Lt. Col. (Ret). Marketing. Address: 200 Grove St, Charleston, S.C. 29403.
- BUCKLEY, PROF. LOUIS F(RANCIS). Economics. See A-K Vol, 11th ed, Soc. & Behav. Vols. New information: Prof, 69-, Dept. of Economics, Loyola University, 820 N. Michigan Ave, Chicago, Ill. 60611.
- BUCKLEY, DR. PAUL ANTHONY. Ethology, Avian Biology. See Suppl. V to 11th ed, Phys. & Biol. Vols.
- BUCKLEY, PROF. PAUL V(ERN). Educational Psychology. See A-K Vol, 11th ed, Soc. & Behav. Vols. New position: Asst. prof. psychol. & dir., grad. center, Pepperdine Col, Anaheim, 69- Address: 900 Howard St, Corona, Calif. 91720.
- BUCKLEY, PROF. WALTER. Sociology, Social Psychology. See A-K Vol, 11th ed, Soc. & Behav. Vols. New position: Prof, 70-, Dept. of Sociology, University of California, Santa Barbara, Calif. 93106.
- BUDNER, DR. STANLEY. Social Psychology. See A-K Vol, 11th ed, Soc. & Behav. Vols. New position: Dir. res. & demonstration center, 68-, School of Social Service, Fordham University, Lincoln Center, New York, N.Y. 10023.
- BUECHNER, DR. JOHN C. Political Science. See A-K Vol, 11th ed, Soc. & Behav. Vols. New position: Assoc. dean, 69-, College of Arts & Sciences, University of Colorado, Denver Center, 1100 14th, Denver, Colo. 80202.
- BUERGENTHAL, PROF. THOMAS. Law. See 5th ed, Dir. Am. Scholars, Vol. IV, Philos, Relig. & Law.
- BUERLE, DR. DAVID E. b. Jersey City, N.J. May 3, 33; m. 63; c. 2. GEOGRAPHY, OCEANOGRAPHY. B.Mgt. E., Rensselaer Polytech, 55; M.S., Columbia, 59; Ph.D. (geog), Clark, 65. Jr. gas engr. N.Y. State Pub. Serv. Cmn, 55; mgt. analyst, Port of New York Authority, 59-60; lectr. polit. geog, Boston Univ, 61-62; consult. planner, Candeb, Fleissig & Assoc, Mass, 61-62; Charles Downe Co, 62; ASST. PROF., inst. geog, Rhode Island, 62-66; GEOG. STATE UNIV. N.Y. ALBANY, 66- Consult, N.Y. State Ed. Dept, 67-68; Dept. Energy, Mines & Resources, Fed. Govt, Can, 69- Mem. Int. Oceanogr. Found. U.S.N.R. 55-59; U.S.C.G.R. 66- Lt. AAAS Am. Geog. Soc. Marine resources identification, development and exploitation, especially economic, social and legal aspects; urban geographic phenomena, specifically cities and their relationships with their hinterlands. Publ: Teaching the age of the city: Megalopolis, Soc. Sci. Div, Dept. Ed, N.Y. State, 70; Research priorities in the social and economic framework of marine resources, Dept. Energy, Mines & Resources, Fed. Govt, Can. Address: Dept. of Geography, State University of New York at Albany, Albany, N.Y. 12203.
- BUCENTAL, DR. DAPHNE E. b. Santa Barbara, Calif. Jan. 31, 28; m. 50; c. 2. PSYCHOLOGY. B.A., California, Los Angeles, 52, U.S. Pub. Health Serv. fel, 59, Ph.D. (psychol), 64. Asst. prof. in residence, CALIFORNIA, LOS ANGELES, 64 & 66, ASST. RES. PSYCHOLOGIST, 65- Non-verbal communication; social perception; social influence and industrial social psychology. Publ: Accuracy of self-perception and group-perception as related to two leadership roles, J. Abnorm. & Soc. Psychol, 58; co-auth, Intrinsic and extrinsic job motivations among different segments of the working population, J. Appl. Psychol, 66; auth, Child versus adult perception of evaluative messages in verbal, vocal and visual channels, Develop. Psychol, 70. Address: 11548 Clover Ave, Los Angeles, Calif. 90066.
- BUKOVSKY, A(LEXIS) P(AUL). Transportation Economics. See A-K Vol, 11th ed, Soc. & Behav. Vols. New position: Consult, Robert R. Nathan Assocs, Inc, 69- Address: 3336 Broad Branch Terr. N.W., Washington, D.C. 20008.
- BUKUTENICA, DR. NORMAN AUGUST, b. Chicago, Ill. May 27, 30; m. c. 2. EDUCATIONAL PSYCHOLOGY. B.A., Wabash Col, 52; M.A., Roosevelt, 56; Ph.D. (ed. sch. psychol), Chicago, 66. Intern & psychologist, Levinson Res. Found, Chicago, Ill, 55-58; clin. asst. area psychologist, Ill. Dept. Pub. Instr., Galesburg & Elgin, 58-59; sch. psychologist, Proviso Twp. Dept. Ed. Except. Children, Maywood, Ill, 59-66; instr. dept. psychiat, Stritch Sch. Med, Loyola (Ill), 66-67; ASSOC. PROF. PSYCHOL., GEORGE PEABODY COL, 67- Asst. assessment officer, Peace Corps training prog. for Pakistan, Univ. Chicago, 63, staff assoc. cmn. ed. psychol, 63-65; psychol. consultant, Woodlawn Mental Health Center, 64-67; Proj. Head Staff, Maywood, Ill, 65-67; coordinator psychol. & ed. assessment team State Dept. Ed, Hawaii, 66; co-dir. consult. serv. John J. Madden Zone Center & Dept. Ment. Health, Ill, 66-67. Ed. consult, J. Sch. Psychol, 67- U.S.A. 52-54. Asn. Mental Deficiency. Ed. Res. Asn.; Psychol. Asn. Early assessment of auditory and visual perceptual characteristics of children to prevent perceptual and adaptational problems in schools. Publ: Co-auth, Berry-Bukutenica visual-motor integration test, Follett, 67; auth, Visual learning, Dimensions Pub. Co, San Rafael, Calif, 68 & Test of non-verbal auditory discrimination (TENVAD), privately pub. exp. ed. 68. Address: Dept. of Psychology, Box 512, George Peabody College for Teachers, Nashville, Tenn. 37203.
- BULKLEY, DR. JONATHAN WILLIAM. Political Science, Civil Engineering. See A-K Vol, 11th ed, Soc. & Behav. Vols. New position & address: Asst. prof, 68-, University of Michigan, 272 West Engineering, Ann Arbor, Mich. 48104.
- BULL, PROF. CHARLES M. b. Joplin, Mo. Mar. 24, 19; m. 42; c. 2. BUSINESS MANAGEMENT, ECONOMICS. B.S., Oklahoma, 49, M.S. 50; Ph.D. (bus. orgn. & mgt), Nebraska, Lincoln, 62. Prof. MKT., NEBRASKA, OMAHA 50-67, FREDERICK W. KAYSER PROF, 67-, CHMN. DEPT. 50- U.S.A.R. Maj. Mkt. Assn. Business administration and organization; marketing of natural gas. Address: Dept. of Marketing, University of Nebraska at Omaha, Omaha, Nebr. 68101.
- BULL, ELWYN M(AURICE). Economics. See A-K Vol, 11th ed, Soc. & Behav. Vols. New position: Staff economist, off. v. pres. econ. polt. & soc. sci, 69-, Research Analysis Corp, Westgate Research Park, McLean, Va. 22101.
- BULL, DR. PATRICIA (ANN). Psychology. See A-K Vol, 11th ed, Soc. & Behav. Vols. New position & address: Ed. consult, 68-, Capital District Regional Educational Center, 815 Central Ave, Albany, N.Y. 12206.

- BULLARD, DR. WILLIAM R(OTCH), JR. Anthropology. See A-K Vol, 11th ed. Soc. & Behav. Vols. New position & address: Assoc. curator & chmn. dept. soc. sci, 69-, Florida State Museum, University of Florida, Gainesville, Fla. 32601.
- BULLER, DR. ORLAN H. b. Goessel, Kans. Dec. 28, 27; m. 53; c. 2. AGRICULTURAL ECONOMICS. B.S., Kansas State, 58, M.S. 59; Ph.D.(agr. econ), Mich. State, 65. AGR. ECONOMIST, KANSAS STATE, 63- U.S.A. 53-55. Econ. Asst. Agr. Econ. Asn. Economics; production economics; farm management. Publ: Co-auth, Measuring the effect of weather on crop production, Can. J. Agr. Econ, 2/69. Address: Dept. of Agricultural Economics, Kansas State University, Manhattan, Kans. 66502.
- BULLOCK, DR. CHARLES SPENCER, III. b. Nashville, Tenn. July 22, 42; m. 65; c. 2. POLITICAL SCIENCE. A.B., William Jewell Col, 64; Emory, 64-65; M.A., Washington (St. Louis), 67, Ph.D. 68. Vis. instr. POLIT. SCI., Southern Illinois 68; ASST. PROF., GEORGIA, 68-, UNDERGRAD. DIR., 69-Polit. Sci. Asn. Policy analysis; legislative behavior. Publ: Co-ed, The new politics, McGraw, 70; co-auth, Committee reassignments of southern Democratic congressmen, 5/69 & auth, Apprenticeship and committee assignments in the house of representatives, 8/70, J. Polit. Address: Dept. of Political Science, University of Georgia, Athens, Ga. 30601.
- BULLOCK, PROF. H(ENRY) A(LLEN). Sociology. See A-K Vol, 11th ed, Soc. & Behav. Vols. New position & address: Prof. hist. & sociol, 69-, Dept. of History, University of Texas, Austin, Tex. 78712.
- BULLOCKUS, DR. THEODORE. Economics, Operations Analysis. See A-K Vol, 11th ed, Soc. & Behav. Vols. New position: Dir. res. Res. Affiliates, 70- Address: 741 Tenth St, Santa Monica, Calif. 90402.
- BUNCH, HOWARD McRAVEN. Transportation Economics, Marketing. See A-K Vol, 11th ed, Soc. & Behav. Vols. New position & address: V.pres. mkt, 68-, Olson Labs, Inc, 22805 Michigan Ave, Dearborn, Mich. 48124.
- BUNCH, DR. RALPH E(LLIOTT), b. Portland, Ore. Apr. 11, 27; m. 65; c. 3. POLITICAL SCIENCE. B.S., Lewis & Clark Col, 51; M.A. Oregon, 61. Ph.D. (govt. sci), 68. Chmn. sci. div, Wenatchee Valley Col, 64-66; instr. POLIT. SCI., Portland State Col, 66-68; asst. prof, North Texas State, 68-70; ASSOC. PROF., PORTLAND STATE, 70- U.S.N.R. 45-46. Polit. Sci. Asn. Political socialization; behavioral methodology. Publ: A scheme for micro-macro analysis of political attitudes, West. Polit. Quart. (in press). Address: Dept. of Political Science, Portland State University, Portland, Ore. 97207.
- BUNDERSON, DR. C(CHARLES) VICTOR, b. Ogden, Utah, June 10, 37; m. 60; c. 5. EDUCATIONAL PSYCHOLOGY, COMPUTER SCIENCE. B.S. Utah, 61; Southern California, 62-63; Ph.D.(psychol), Princeton, 65. DIR. COMPUT.-ASSISTED INSTR. LAB, TEXAS AUSTIN, 65- Proposal rev. consult, Nat. Sci. Found; consult, adv. cmt, U.S. Army Safeguard Training Prog; assisted instr. Ceir, Inc; nat. adv. cmt, Nat. Center Ed. Media & Mat. for Handicapped; Airline Found, D.C.; adv. ed. J. Ed. Psychol. Mem. adv. cmt, grad. prog. comput. in ed. & eval. cmt, Ed. Admin. Training & Eval. Proj, City Univ. New York; mem. constitution drafting cmt, Asn. Develop. Instr. Sys. Psychol. Asn; Asn. Comput. Math; Ed. Res. Asn; Asn. Develop. Instr. Sys. (chmn, 70-72). Instructional design and systems development for computer-assisted instruction. Publ: Transfer of mental abilities at different stages of practice in the solution of concept problems, Ed. Testing Serv. Res. Bull, 67; co-auth, The effect of decision-rule instruction upon the relationship of cognitive abilities to performance in multiple-category concept problems, J. Ed. Psychol, 69; auth, The computer and instructional design, In: Computer-assisted instruction, testing and guidance, Harper, 70. Address: Computer-Assisted Instruction Lab, 312 Sutton Hall, University of Texas at Austin, Austin, Tex. 78712.
- BUNKER, DR. GARY L(AMOND). Psychology. See A-K Vol, 11th ed, Soc. & Behav. Vols. New position: Assoc. prof, 70-, Dept. of Psychology, Brigham Young University, Provo, Utah 84601.
- BUNN, DR. SANFORD M(ELVIN). Psychology, Business Administration. See A-K Vol, 11th ed, Soc. & Behav. Vols. New position: Mgr. psychol. & ed. serv, 69-, Hanford Environmental Health Foundation, Inc, Kadlec Medical-Dental Bldg, Richland, Wash. 99352.
- BUNN, DR. RONALD F. Political Science. See A-K Vol, 11th ed, Soc. & Behav. Vols. New position: Asst. prof. & dean 69-, Graduate School, University of Houston, Houston, Tex. 77004.
- BUNZEL, PROF. JOHN HARVEY. Political Science. See A-K Vol, 11th ed, Soc. & Behav. Vols. New information: Vis. scholar, Center. Adv. Study Behav. Sci, 69-70. Address: Dept. of Political Science, San Francisco State College, San Francisco, Calif. 94132.
- BURCH, DR. THOMAS K(IRBY). Sociology. See A-K Vol, 11th ed, Soc. & Behav. Vols. New position & address: Asst. dir. demog. div, 70-, Population Council, 245 Park Avenue, New York, N.Y. 10017.
- BURCHILL, DR. GEORGE W. Educational Psychology. See A-K Vol, 11th ed, Soc. & Behav. Vols. New position & address: Assoc. dean students, 69-, University of California at San Diego, La Jolla, Calif. 92118.
- BURD, DR. GENE ARNOLD. Communications. See A-K Vol, 11th ed, Soc. & Behav. Vols. New position & address: Asst. prof., 69-, School of Journalism & Communications, University of Minnesota, 111 Murphy Hall, Minneapolis, Minn. 55455.
- BURDGE, DR. RABEL J(AMES), b. Columbus, Ohio, Dec. 14, 37; m. 62; c. 3. RURAL SOCIOLOGY. B.S., Ohio State, 60, M.S. 61; Ph.D.(rural sociol), Pa. State, 65. ASST. PROF. SOCIOL., U.S. Air Force Acad, 66-68; KENTUCKY, 68- Lectr., Colorado, summer 66. U.S.A. 65-68, Capt. Sociol. Asn; Rural Sociol. Soc. Sociology of natural resource development, especially problems of forest migration, occupational trends, rural development, outdoor recreations; sociological demand structure and migratory laborers. Address: Dept. of Sociology, University of Kentucky, Lexington, Ky. 40506.
- BURGER, DR. HENRY G. Cultural Anthropology. See A-K Vol, 11th ed, Soc. & Behav. Vols. New position & address: Assoc. prof., anth. & ed, 69-, University of Missouri, Epperson House, Kansas City, Mo. 64110.
- BURGER, DR. PHILIP C. b. Elgin, Ill. Sept. 22, 40; m. MARKETING. B.S. Ill. Inst. Tech, 62; M.S., Purdue, 63, fel. & Ph.D.(indust. admin), 68. ASST. PROF. MKT., NORTHWESTERN, 69- Lectr., Adv. Mgt. Res, Inc, N.Y. 69. Consult, Erick & Lavidge, Inc, Ill, 68-; Mgt. Res. & Planning, Inc, 70- Mkt. Asn. Consumer choice behavior models; consumer response forecasting. Publ: Co-auth, Can new product buyers be identified?, J. Mkt. Res, 11/67; auth, Developing forecasting for new products, 8/68 & A computerized library system for market research, 8/69, Proc. Am. Mkt. Asn. Address: Northwestern University School of Management, Evanston, Ill. 60201.
- BURGESS, DR. GEORGE (GRAYDON). Psychology. See A-K Vol, 11th ed, Soc. & Behav. Vols. New position: Res. psychologist, U.S. Army Resources Res. & Develop. Center, 70- Address: 10209 Windsor View Dr, Potomac, Md. 20854.
- BURGESS, DR. ROBERT LEE, b. Long Beach, Calif, June 24, 38; m. 59; c. 2. SOCIOLOGY, SOCIAL PSYCHOLOGY. B.A., Calif. State Col. Long Beach, 62; M.A., Washington (St. Louis), 64, Ph.D.(sociol), 69. Acting asst. prof. SOCIOL., WASHINGTON (SEATTLE), 65-68, asst. prof, 68-69, ASSOC. PROF. 69- U.S.N. 56-58. Sociol. Asn. Experimental analysis of basic social processes such as cooperation, exchange and imitation; deviant behavior. Publ: Co-auth, Behavioral sociology; the experimental analysis of social process, Columbia Univ, 69; Differential association-reinforcement theory of criminal behavior, Soc. Probs, 66; auth, Communication networks: an experimental re-evaluation, J. Exp. Soc. Psychol, 68. Address: Dept. of Sociology, University of Washington, Seattle, Wash. 98105.
- BURGESS, DR. ROBERT W(ILBUR). Statistics. See 11th ed, Soc. & Behav. Vols, deceased 69.
- BURKARD, SISTER AGNES MARY, S.S.N.D. b. Green Bay, Wis, Jan. 3, 09. EDUCATION, L PSYCHOLOGY. B.A., Mt. Mary Col, 41; M.A. Marquette, 49; Ph.D.(ed. psychol), Loyola (Ill), 56. Teacher elem. schs, Archdiocese Milwaukee, 30-46, prin, 39-46, teacher sec. sch, 46-49; supvr. elem. & sec. schs, Diocese La Crosse, 49-55; PROF. ED. & PSYCHOL., MT. MARY COL., 59- Dean studies, Notre Dame of the Lake Col, Wis, 58-60, psychologist, 66-; psychol. counseling & teaching, U.S. & Can, 66-; Psychol. Asn; Acad. Relig. & Ment. Health. Personality theory; mental health in religious life. Publ: What do pupils demand of their teachers, Cath. Ed. Rev; Discernment of teacher characteristics by TAT sequence analysis, J. Ed. Psychol, 12/62; Effectiveness of the MTAI in a parochial school setting, J. Exp. Ed, spring 65. Address: Notre Dame of the Lake, Mequon, Wis. 53092.
- BURKE, DR. JOHN FRANCIS, JR. b. Bath, Maine, Mar. 25, 37; m. 62; c. 4. ECONOMICS. B.S., Boston Col, 61; fel. Notre Dame, 61-63, M.S. 63, Ph.D. (econ), 67. Asst. Econ., Notre Dame, 63-65; instr., Indiana, 63-65; asst. prof., Eastern Illinois, 65-67; CLEVELAND STATE, 67-70, ASSOC. PROF. 70- Urban Inst. grant, Cleveland State, 69, univ. grant, summer 69, U.S.N. 55-57. Econ. Asn. Fiscal Ohio; economic development in Cleveland. Publ: Co-auth, Expenditures and revenues of the state of Ohio, 1950-1957, a comparative analysis, Dept. Econ. & Inst. Urban Studies, Cleveland State Univ, 7/69; A profile of state government taxation and revenue for Ohio 1968, Dept. Econ. & Urban Inst., Cleveland State Univ, 4/70. Address: Dept. of Economics, Cleveland State University, Cleveland, Ohio 44115.
- BURKE, DR. WILLIAM M. Economics. See A-K Vol, 11th ed, Soc. & Behav. Vols. Change of address: 3877 Jackson St, San Francisco, Calif. 94118.
- BURKE, PROF. WILLIAM THOMAS. Law. See 5th ed, Dir. Am. Scholars, Vol. IV, Philos. Relig. & Law.
- BURKETT, DR. STEVEN R. b. Bedford, Ind. Oct. 2, 41; m. 61; c. 2. SOCIOLOGY. B.A., Portland State, 63; Ph.D.(sociol), Oregon, 68. Instr. SOCIOL., Kentucky, 67-68, ASST. PROF. 68-69; WASHINGTON STATE, 69- Sociol. Asn; Soc. Study Social Probs. Sociology of deviant behavior and adolescence. Publ: Co-auth, Drinking as rebellion: a study of adolescent drinking, Quart. J. Studies Alcohol, (in press). Address: Dept. of Sociology, Washington State University, Pullman, Wash. 99163.
- BURLEIGH, PROF. NATHANIEL (GEORGE). Business Administration. See 11th ed, Soc. & Behav. Vols, deceased 70.
- BURLINGAME, DR. MARTIN, b. St. Helens, Ore, Oct. 12, 35; m. 60; c. 2. POLITICS, EDUCATIONAL ADMINISTRATION. B.A., Willamette, 57, M.Ed. 60; Duke, 57-58; Nat. Inst. Ment. Health fel, Chicago, 66, Ph.D.(ed. admin), 69. Asst. philos., Duke, 57-58; teacher soc. studies, Milwaukee Union High Sch, 61-66; ASST. PROF. ED. ADMIN., NEW MEXICO, 68-, grant, 69-70, U.S.A. 58-60. Ed. Res. Asn. Politics and education; organizational theory; research methods. Publ: Co-auth, 1969 Legislative session, N.Mex. Sch. Rev. 1/69. Address: Dept. of Education, University of New Mexico, Albuquerque, N.Mex. 87106.
- BURLINGAME, DR. MILDRED. Psychology. See A-K Vol, 11th ed, Soc. & Behav. Vols. New information: Emer. assoc. prof, 69-, Dept. of Psychology, University of Idaho, Moscow, Idaho 83843.
- BURMA, PROF. JOHN H(ARMON). Sociology. See A-K Vol, 11th ed, Soc. & Behav. Vols. New position & address: Prof, 70-, Dept. of Sociology, California State Polytechnic College, Pomona, Calif. 91766.

HEAD, 70-. Analysis of hay prices in eleven western states; economic analysis of alternative dairy technologies; economies of size in dairy farming. Publ: Co-auth, Western hay prices, Wash. Agr. Exp. Sta. 65; auth, Economies of size in Minnesota dairy farming, 68 & Alternative dairy technologies, 68, Minn. Agr. Exp. Sta. Address: Dept. of Agricultural Economics, University of Minnesota, St. Paul, Minn. 55101.

BUZICKY, DR. CHARLES WILLIAM. Medieval History. See 5th ed, Dir. Am. Scholars, Vol. I, Hist.

BYERS, DR. BURTON H. Speech. See 5th ed, Dir. Am. Scholars, Vol. II, Eng. Speech & Drama.

BYERS, DOUGLAS (SWAIN). Anthropology, Archaeology. See A-K Vol, 11th ed, Soc. & Behav. Vols. Change of address: Box 169, Andover, Mass. 01810.

BYERS, PROF. JOE LAPHAM. Educational Psychology. See A-K Vol, 11th ed, Soc. & Behav. Vols. New position: Prof. ed. psychol. Mich. State Univ. 69-. Address: 2171 Butternut Dr, Okemos, Mich. 48864.

BYERS, DR. VINCENT W. b. Albia, Iowa, June 15, 32; m. 60; c. 3. AUDIOLOGY, PSYCHOACOUSTICS. B.S. Kentucky, 55; M.A., 56; Nat. Inst. Health grant, Pittsburgh, 59-61, Ph.D.(audiol), 61. Asst. prof. audiol, Illinois, 61-63; chief audiol. & speech path, Vet. Admin. Hosp, Pittsburgh, Pa. 63-66; asst. prof. audiol. MED. & L. STATE, NEW ORLEANS, 66-69. ASSOC. PROF, 68-. DIR. AUDIOL, 70-. acting dir, 68-70. Res. scientist, Charity Hosp, 66-70; fel. Speech Perception Seminar Comm. Sci. Univ. Florida, summer 67. Consult, Ochsner Found. Hosp, 66-. AAAS: Acoustical Soc. Am; Speech & Hearing Assn; Acad. Rehab. Audiol. Speech perception of hearing impaired; aural rehabilitation. Publ: Co-auth, Increased intelligibility in the hypacusis by slow-play frequency transposition. J. Audiology Res, 7: 107-118 & Identification of voiceless fricatives by high frequency impaired listeners. J. Speech & Hearing Res, 12: 426-434; auth, Speech therapy for the hearing impaired child, J. Learning Disabilities, 7: 363-367. Address: Louisiana State University Medical Center, 1542 Tulane Ave, New Orleans, La. 70112.

BYRD, DR. JAMES ADON, b. Houston, Tex, Aug. 25, 24; m. 45; c. 3. ECONOMICS, FINANCE. B.B.A., Texas, Austin, 50, M.B.A., 55, Ph.D.(bus. admin, econ), 57. Lectr. finance, Texas, Austin, 55-57; asst. prof, 57-58; v-pres, Tex. Commerce Bank, Houston, 58-67; ASSOC. PROF. FINANCE, HOUSTON, 67-. U.S.A. F. 43-46, 1st Lt. Econ. Asst. Finance Assn, Nat. Assn. Bus. Econ. Bank management performance; changing structure of financial institutions; variable annuities. Address: Dept. of Finance, University of Houston, Houston, Tex. 77004.

BYRNE, PROF. DONN. Psychology. See A-K Vol, 11th ed, Soc. & Behav. Vols. New position: Chf. adms. prof, 69-. Dept. of Psychology, Purdue University, West Lafayette, Ind. 47907.

BYRNE, DR. JOHN F(RANCIS). Psychology. See A-K Vol, 11th ed, Soc. & Behav. Vols. Change of address: Oak Ridge Regional Mental Health Center, 240 W. Tyronne Rd, Oak Ridge, Tenn. 37830.

BYRNE, SISTER MARTIN, R.S.H.M. b. New York, N.Y., May 6, 25. BUSINESS ADMINISTRATION. B.A. Marymount Col.(N.Y.), 46, M.B.A., California, Los Angeles, 53, Ph.D.(finance), 59. Mem. staff BUS. ADMIN. & ECON, Marymount Col.(Calif), 47-68; PROF. COL. BUS. ADMIN, LOYOLA (CALIF), 68-Relm Found. study travel grant, Mediterranean area, 68; Nat. Defense Ed. Act grant philos. sci, American Univ, summer 65. Publ: Role of insurance companies in financing religious institutional experiments, J. Ins, 59 & The Mediterranean world: some economic aspects, Bus. & Soc, fall 69. Address: Loyola University of Los Angeles College of Business Administration, Los Angeles, Calif. 90045.

BYRNE, DR. VENARD JOSEPH. Modern Church History. See 5th ed, Dir. Am. Scholars, Vol. I, Hist.

BYRON, DR. LEONARD J. b. Worcester, Mass, June 18, 15; m. 62; c. 1. CLINICAL PSYCHOLOGY, PHILOSOPHY. Baccalaureat, Nicolet Col, 37; B.A. Assumption Col.(Mass), 40; D.Th. Laval, 44. Ph.D.(psychol), 48; Ohio State, 62-63. Assoc. prof. psychol, Assumption Col.(Mass), 48-56; v-pres. & dir, Lebow-Gould Assoc, N.Y., 56-60; assoc. prof. psychol, Col. Steuben-ville, 60-62; fel, Norwich State Hosp, Conn, 62-63, clin. intern, 63-64, chief psychologist, 67; psychologist, Rohrer, Hilber & Repoble, 64-67; dir, ment. health planning, State of Conn, 68; RESARCHER CHILDREN, PRIVATE PRACTICE, PUB. SCH. SYSTS. & SCHS. FOR EMOTIONALLY DISTURBED CHILDREN, 69-. Lectr, Montreal, 65-67. Consult, Can. Mgt. Assn, 67; spec. consult, Norwich Sch. Syst, 67-69. Founder & consult, Mountain Laurel Sch. Emotionally Disturbed Children, 68-. Psychol. Assn; Orthopsychiat. Assn; Soc. Proj. Tech. & Personality Assessment; N.Y. Acad. Sci. Brain damage and operant conditioning in children as they relate to the classroom and teacher-learner situation. Publ: La connaissance du particulier, Laval Univ, 49. Address: 84 Coolidge Rd, Worcester, Mass. 01600.

BYTWORK, DR. ALVIN JAY, b. Grand Rapids, Mich, Feb. 7, 33; m. 56; c. 2. MARKETING. A.B. Calumet, 50; fel, M.M. & Ph.D.(bus), Mich. State, 61. Asst. to v-pres. sales, Whirlpool Corp, 61-66; ASSOC. PROF. MKT, Southern Methodist, 67-68; WESTERN MICHIGAN, 68-. Distinguished grad. lectr, Mich. State, 61-66. U.S.N. 53-57, Lt.(jg). Mkt. Assn. Marketing management; communication; Christian living; sales. Publ: Co-auth, Are purchasing managers already obsolete, J. Purchasing, 8/70 & Pilferage abatement in bookstores, Bookstore J, 2/70. Address: Dept. of Marketing, School of Business, Western Michigan University, Kalamazoo, Mich. 49001.

C

CABOTAJE, PROF. FELISBERTO VILORIA. Social Science, Educational Administration. See A-K Vol, 11th ed, Soc. & Behav. Vols. New position: Prof. ed. & dir, 69-. Inter-cultural Studies, Bethune Cookman College, Daytona Beach, Fla. 32015.

CADE, DR. ALEX JAMES. Counseling Psychology. See A-K Vol, 11th ed, Soc. & Behav. Vols. New position: Prof, 69-. College of Education & Justin Morrill College, Michigan State University, 157 Snyder Hall, East Lansing, Mich. 48823.

CADE, PROF. DOZIER COPELAND. Journalism. See 5th ed, Dir. Am. Scholars, Vol. II, Eng.

CAFFREY, DR. C(LETUS) BERNARD. Experimental Psychology, Psychosomatic Medicine. See A-K Vol, 11th ed, Soc. & Behav. Vols. New position: Assoc. prof, 69-. Dept. of Social Sciences, Clemson University, Clemson, S.C. 29631.

CAFFREY, DR. JOHN G(ORDON). Educational Psychology. See A-K Vol, 11th ed, Soc. & Behav. Vols. Change of address: American Council on Education, 1 Dupont Circle N.W., Washington, D.C. 20036.

CAHNMAN, PROF. WERNER J(ACOB). Sociology. See A-K Vol, 11th ed, Soc. & Behav. Vols. New information: Emer. prof. social, Rutgers; mem. faculty, New Sch. Soc. Res; Fulbright guest prof, inst. sociol, Munich. Address: 67-71, Yellowstone Blvd, Forest Hills, N.Y. 11375.

CAIN, PROF. ALBERT C(LIFFORD). Clinical Psychology. See A-K Vol, 11th ed, Soc. & Behav. Vols. New position: Prof, 70-. Dept. of Psychology, University of Michigan, Lloyd House, West Quad, Ann Arbor, Mich. 48104.

CAIN, PRES. LEO FRANCIS. Psychology. See A-K Vol, 11th ed, Soc. & Behav. Vols. Change of address: California State College at Dominguez Hills, 1000 E. Victoria St, Dominguez Hills, Calif. 90247.

CAIN, PROF. LEONARD D. R. Sociology. See A-K Vol, 11th ed, Soc. & Behav. Vols. New position & address: Prof. sociol. & urban studies, 69-. Dept. of Sociology, Portland State University, Box 751, Portland, Ore. 97207.

CAIN, PROF. WENDELL, b. Quanah, Tex, Jan. 15, 15; m. 64. SPEECH PATHOLOGY. B.S. West Texas State, 36, M.A., 49: Colo. State Col. 38; Washington (Seattle), 40; Ph.D.(speech), Denver, 55. Teacher, high sch, Tex, 37-41 & 46-49; instr. drama, WEST TEXAS STATE, 50-55; assoc. prof. speech, 55-63, PROF. SPEECH PATH, 63-. Fed. grant, voice & laryngeal inst, Univ. Miami, 61. U.S.M.C. 42-46, Capt. Speech & Hearing Assn: Speech Assn. Am. Speech rehabilitation; language disorders. Address: 324 WT Station, Canyon, Tex. 79015.

CAIN, DR. WILLIAM S. b. Jamaica, N.Y. Sept. 7, 41; m. 64. EXPERIMENTAL PSYCHOLOGY. B.S. Fordham, 63; U.S. Pub. Health Serv. fel, Brown, 64-67. Sc.M., 66, Ph.D.(psychol), 68. U.S. PUB. HEALTH SERV. FEL. PSYCHOPHYS. & PSYCHOL, JOHN B. PIERCE FOUND. LAB, 67-. ASST. PROF. EXPERIMOL, SCH. MED. YALE, 68-. Psychol. Assn. Sensory psychophysics, particularly of the modalities of olfaction, the skin senses, and taste. Publ: Co-ed, Psychology of sensation: readings in psychophysics, Little, 70; auth: Otor intensity: differences in the exponent of the psychophysical function, 12/69 & Otor intensity after self-adaptation and cross adaptation, 5/70, Perception & Psychophys. Address: John B. Pierce Foundation Lab, 290 Congress Ave, New Haven, Conn. 06519.

CALABRESI, PROF. GUIDO. Law. See 5th ed, Dir. Am. Scholars, Vol. IV, Philos. Relig. & Law.

CALABRO, DR. NATALIE, b. R.I. MARKETING, STATISTICS. A.B. Hunter Col, 42; M.B.A., N.Y. Univ, 37, Ph.D.(statist), 66. Mkt. res. dir. Chase, brought Pond's Inc, 53-58; Doubleday & Co, Inc, 59-63; ASST. PROF. MKT. & QUANT. METHODS, COL. BUS. ST. JOHN'S (N.Y.), 68-. Consult. Look Mag, 63-. Statist. Assn; Inst. Mgt. Sci; Opers. Res. Soc. Am; Soc. Gen. Sys. Res. Research and statistics. Publ: Chemical market handbook, Am. Chem. Soc, 57; Bayesian analysis in product research, St. John's Univ, 70. Market planning, Comput, J, 68. Address: Dept. of Marketing & Quantitative Methods, St. John's University, Jamaica, N.Y. 11432.

CALDWELL, DR. BETTIE M(cDONALD). Psychology. See A-K Vol, 11th ed, Soc. & Behav. Vols. New position & address: Prof. ed, 69-. Center for Early Development & Education, University of Arkansas, 814 Sherman St, Little Rock, Ark. 72202.

CALDWELL, DEAN CHARLES G. b. Radford, Va, Nov. 5, 15; m. 46; c. 2. DEVELOPMENTAL & EDUCATIONAL PSYCHOLOGY. B.A. Roanoke Col, 37; M.A. Chicago, 46, Ph.D.(human develop), 51-. Asst. prof. child develop, Maryland, 47-51; PROF. PSYCHOL, MADISON COL, 51-. DEAN SCH. ED, 69-. dir. div. teacher ed, 56-59. Consult, Md. N.J., Ohio, S.C., Fla, Ill, La, Tex. & Va. Dir. life & leadership schs, Nat. Comm. Churches; mem. div. mgrs. & legis. cmt. Nat. Cong. Parents & Teachers; mem. Gov. Cmt. on Youth; Va. Ment. Health Study Cmn; state rep. White House Conf. on Children & Youth, 60; mem. nat. cmt. & co-chmn, White House Conf, 70. Coun. Except. Children; Psychol. Assn. Administration in higher education. Address: School of Education, Madison College, Harrisonburg, Va. 22801.

CALDWELL, DR. JAMES LEROY, b. Winstonsboro, La, Feb. 13, 31; m. 64; c. 1. MANAGEMENT. B.S. La. Polytech, 51; M.B.A., La. State, 53; Ph.D.(mgt), 63. Instr. MGT, La. State, 55-58; asst. prof, Ga. INST. TECH, 58-65, ASSOC. PROF, 65-. Vis. prof, Valle, Colombia, 66; chmn, Mills B. Lane lectureship finance & banking mgt, Ga. Inst. Tech, 67-; summers, Nat. Assn. Mfr. fel, Claremont Col, 64; Ford Found. fel, Inst. Latin Am. Studies, Texas, 65. Consult. ed. div, Nat. Assn. Mfr, 64-69; consult. chmn. prfl. mgt. prog, Hertz Corp, 69-. U.S.A., 53-55. Assn. ed. Int. Bus. Financial management, particularly corporate expansion and combination; management development in Latin America, especially Colombia. Publ: The corporate tax structure in Colombia, 66 & The Colombia stock market, 66, Univ. Valle, Colombia. Address: College of Industrial Management, Georgia Institute of Technology, Atlanta, Ga. 30332.

CALDWELL, DR. WILLIAM STUART. b. Alexandria, S.Dak, Feb. 4, 21; div; c. 5. JOURNALISM, POLITICAL SCIENCE. B.A. Minnesota, 43, M.A., 54, Ph.D. (polit. sci), 60. For. serv. officer, U.S. Dept. State, 46-49; dir. news

- Minnesota, Duluth, 49-50; teaching asst., 50-55; asst. prof. journalism, North Carolina, 55-58; asst. ed., Minneapolis Star & Tribune, 58-60; asst. prof. JOURNALISM, California, Los Angeles, 60-62; SOUTHERN CALIFORNIA, 62-65, ASSOC. PROF., 65-66. Pub. Rel. Soc. Am. fel. 69. Prog. participant, Far West Slave Conf. Asn. Adv. Slavic Studies, 63-70; mem., Fifth World Pub. Rel. Cong., Tel Aviv, 70. Med. Admin. C. U.S.A., 43-46. Lt. Asn. Ed. in Journalism, International political communication; public relations; East-West political relations. Publ.: Soviet specialty: political warfare, *Int. Readings in world military systems*, A.F. ROTC, Air Univ., 65; American propaganda activities in early post war Italy, U.S.I.A. Training Manual, 69; Luigi Longo-Italy's middle-of-the-road tactician, *Int. Leaders of the Communist world*, Free Press, Macmillan, 70. Address: School of Journalism, University of Southern California, Los Angeles, Calif. 90087.
- CALEF, PROF. WESLEY (CARR). Geography. See A-K Vol. 11th ed, Soc. & Behav. Vols. New position & address: Prof., 70-, Dept. of Geography, Illinois State University, Normal, Ill. 61761.
- CALERO, DR. THOMAS MANUEL, b. Mexico City, Mex. Sept. 14, 23; U.S. citizen; m. 48; c. 2. SOCIOLOGY, M.A. Chicago, 56; Ph.D. (sociol.), Northwestern, 69. Training dir., City of Chicago Govt., 54-57; ed. adminstr., exten. Univ., Chicago, 57-59; consult., W.H. Harrison Assoc., Chicago, 59-62; ed. adminstr., Northwestern, 62-64; res. assoc. Am. Hosp. Asn., 64-68, ASSOC. PROF. MGT. & ORGN. ILL. INST. TECH., 68-. U.S.A.A.F., 42-46, S/Sgt. Soc. Sci. Asn.; Acad. Mgt. Assessment of methods for the inventorying, forecasting, recruiting and developing of managerial, professional and technical categories of manpower in both public and private organizations. Publ.: Continuing education in health care institutions, *Am. Hosp. Asn.*, 70. Address: Dept. of Management, Illinois Institute of Technology, Chicago, Ill. 60616.
- CALHOUN, DR. DANIEL H(OVEY). American History. See 5th ed, Dir. Am. Scholars, Vol. I, Hist.
- CALHOUN, PROF. DONALD W. b. Worcester, Mass. June 14, 17; wid; c. 1. SOCIOLOGY, SOCIAL PSYCHOLOGY, B.A. Erskine Coll., 37; A.M., Furman, 38; North Carolina, 40-42; Ph.D. (sociol.), Chicago, 50. Instr. sociol., Kans. Wesleyan, 39-40; Limestone Coll., 41; Ill. Inst. Tech., 46-48; asst. prof. gen. soc. sci., Minnesota, 48-53; PROF. soc. sci., Bethune-Cookman Coll., 58-62; SOC. SCI. & SOCIOL. MIAMI (FLA.), 62-. Study of group psychother. in suicide prev. 70-. Sociol. Asn.; Polit. Sci. Asn.; Acad. Polit. & Soc. Sci. Marriage and family; social aspects of psychiatry. Publ.: Co-auth. An introduction to social science, Lippincott, 53, 57 & 61. Address: 11325 S.W. 97th Ave, Miami, Fla. 33156.
- CALHOUN, DR. ROLAND L(EROY). Social Psychology. See A-K Vol. 11th ed, Soc. & Behav. Vols. Change of address: Dept. of Psychology, Humboldt State College, Arcata, Calif. 95521.
- CALKINS, PROF. FRANCIS J(OSEPH). Finance. See A-K Vol. 11th ed, Soc. & Behav. Vols. New position & address: Prof. finance, 69-, College of Business Administration, Cleveland State University, 24th St. & Euclid Ave, Cleveland, Ohio 44115.
- CALKINS, DR. HOWARD A(NDREW). Political Science. See A-K Vol. 11th ed, Soc. & Behav. Vols. New information: Emer. prof., 70-, Dept. of Government, Burdine Hall, University of Texas, Austin, Tex. 78712.
- CALKINS, PROF. RALPH N. b. Albuquerque, N.Mex. Apr. 28, 26; m. 49; c. 3. ECONOMICS, B.B.A. Mex. Mexico, 47, M.A., 49; Ph.D. (econ.), Columbia, 63. Instr. econ., Bloomfield Coll., 49-53, dean acad. affairs, 53-67; assoc. prof. ECON. Alaska, 67-68; PROF. HANOVER COLL., 68-. U.S.N., 44-46. Econ. Asn. Educational economics, especially higher education; economic education. Publ.: A computerized model of exchange as an aid to teaching price theory, *J. Econ. Ed.*, spring 70. Address: P.O. Box 126, Hanover, Ind. 47243.
- CALLEO, DR. DAVID PATRICK. Political Science. See A-K Vol. 11th ed, Soc. & Behav. Vols. New position: Res. assoc., Wash. Center of For. Policy Res., 68-. Address: 626 A St. N.E., Washington, D.C. 20002.
- CALLIHAN, PROF. E(LMER) L(E). Journalism. See A-K Vol. 11th ed, Soc. & Behav. Vols. New information: Emer. prof. journalism & emer. chmn. dept., Southern Methodist, 69-; consult., Chilton Book Co., 69-. New publ.: Grammar for journalists, Chilton, 2nd ed., 69. Address: Route 2, Nance Rd, Box 1030, Sunnyvale, Tex. 75149.
- CALMES, PROF. ROBERT EDWARD NEVILLE, b. Sterling, Colo., Mar. 9, 24; m. 54; c. 1. EDUCATIONAL PSYCHOLOGY, B.A., Hastings Coll., 49; M.A., Denver, 50, D.Ed. (higher ed. psychol.), 58. Qual. control engr., Gates Rubber Co., Colo., summer 51; instr. guided missiles guid. circuitry, Lowry Air Force Base, 51-52; teacher, high schs., 52-55; spec. instr. elec., Denver, summer 56; asst. prof. ED. PSYCHOL., ARIZONA, 58-63, assoc. prof., 63-69, PROF., 69-. Lectr., character res. proj., Union Coll., summer 68. Mem. cmh. high sch. youth, Nat. Asn. YMCA Secy, Baltimore, Md., 62-65. U.S.N., 42-45. AAAS; Psychol. Asn.; Ed. Res. Asn. Attitude change; mental health; development of character and morality; school and personal psychological consultation. Publ.: Guiding missiles and space vehicles, *Colo. Wing, Civil Air Patrol*, 58; Research in moral development—how it supports the effective Y administrator, YMCA, Severna Park, Md., 69; co-auth. A study of the consistency of certain character attitudes, *Character Res. Proj.*, Union Coll. (in press). Address: Dept. of Educational Psychology, University of Arizona College of Education, Tucson, Ariz. 85721.
- CALVERT, DR. THOMAS (WILLIAM). Electrical Engineering, Bioengineering. See Suppl. VI to 11th ed, Phys. & Biol. Vols.
- CAMERON, PROF. HOWARD KING, b. Talladega, Ala. Dec. 25, 30; m. 59; c. 2. EDUCATIONAL PSYCHOLOGY, B.A., Talladega Coll., 54; M.A., Mexico Highlands, 56; Ph.D. (ed. counseling psychol.), Mich. State, 63; California, Berkeley, 65. Instr. psychol., Tuskegee Inst., 56-58; Fla. Agr. & Mech., 58-59; asst. instr. ed. psychol., Mich. State, 59-60; asst. prof. psychol., Southern Univ., 61-62; PROF. ED. PSYCHOL., HOWARD, 62-. Psychologist & regional adminstr., VISTA, 66-67; lectr., Catholic Univ., 67-70; dir., Open Commun. Prog., D.C., 69-70. Consult. psychologist, U.S. Dept. Labor, summer 67. U.S.A., 54-55. Psychol. Asn.; Personnel & Guid. Asn. Psychological testing and program evaluation; learning principles and socio-cultural influences on American blacks. Publ.: The effectiveness of feedback in teaching principles of educational psychology, *J. Exp. Ed.*, 66, Non-intellectual predictions of academic performance, *J. Negro Ed.*, 68; The Jensen controversy—myopia, *Measurement & Eval.* in Guid., 70. Address: Dept. of Education, Howard University, Washington, D.C. 20001.
- CAMERON, DR. PAUL (DRUMMOND), b. Pittsburgh, Pa., Nov. 9, 39; m. 59; c. 2. SOCIAL & MEDICAL PSYCHOLOGY, B.A., Los Angeles Pac. Col., 61; M.A., Los Angeles State Coll., 62; Ph.D. (psychol.), Colorado, 66. Asst. prof. PSYCHOL., Stout State, 66-67; Wayne State, 67-69; ASSOC. PROF., Evansville, 69-70; LOUISVILLE, 70-. Psychol. Asn. Consciousness sampling; effects of second hand tobacco smoke; personality development; linguistic analyses of social psychology and personality theory. Publ.: Frequency and kinds of words in various social settings, or what the hell's going on?, *Pac. Social Rev.*, 69; sr. auth. The health of smokers' and non-smokers' children, *J. Allergy*, 69; co-auth. Cognitive and emotional dependency in later life, *Int. The dependencies of old people*, *Inst. Geront.*, Mich-Wayne State, 69. Address: Dept. of Psychology, University of Louisville, Louisville, Ky. 40208.
- CAMERON, PROF. RONDO. Economic History. See A-K Vol. 11th ed, Soc. & Behav. Vols. New position: Kenan Univ. prof., 69-, Administration Bldg., Emory University, Atlanta, Ga. 30322.
- CAMIEN, PROF. LAITEN L(ESTER). Sociology. See A-K Vol. 11th ed, Soc. & Behav. Vols. Change of address: Dept. of Sociology & Anthropology, New Mexico State University, P.O. Box 38V, Las Cruces, N.Mex. 88001.
- CAMMAROSANO, DR. JOSEPH R(APHAEL). Economics. See A-K Vol. 11th ed, Soc. & Behav. Vols. New information: Assoc. exec. v-pres., Fordham Univ., 69-. Address: 76 N. Fulton Ave, Mt. Vernon, N.Y. 10550.
- CAMMETT, DR. JOHN M. Modern European History. See 5th ed, Dir. Am. Scholars, Vol. I, Hist.
- CAMP, DR. WILLIAM L(YMAN), b. Chicago, Ill., May 10, 38; m. 65; c. 2. PSYCHOLOGY, B.S., Wis. State, Platteville, 60; M.S., Wisconsin, Madison, 61. Ph.D. (counseling & behav. studies), 66. Teaching & dir. counseling & teaching, high schs., Wis., 59-60; researcher & counsr. res. & guid. lab., superior students, Wisconsin, Madison, 60-62 & 67-68; teacher & dir. guid., Elgin Pub. Schs., Ill., 62-64; instr. psychol., Elgin Jr. Coll., 64-67; asst. prof. WIS. STATE, PLATTEVILLE, 68-69, ASSOC. PROF. PSYCHOL. & DIR. COUNSELING CENTER, 69-. Dir. res. & develop. pub. schs., Ill., 64-67; exten. lectr., Bradley, 66-68. Consult. dept. of ed. psychol. res. training inst., Wisconsin-Milwaukee, 67-. Psychol. Asn.; Ed. Res. Asn.; Personnel & Guid. Asn. Problems related to development and personal adjustment during adolescence and the application of these and related research findings to counseling and psychotherapy. Publ.: Guide to periodicals in education, *Scarcecrow*, 68; Personal and environmental achievement characteristics of hospitalized and non-hospitalized youth, *J. Clin. Psychol.*, 1/67. Follow-up of a classroom program for potential high school dropouts, *Psychol.* in Schs., 10, 67. Address: 114 Brigham Hall, Wisconsin State University, Platteville, Wis. 53818.
- CAMPBELL, ARTHUR (ANDREWS). Demography, Sociology. See A-K Vol. 11th ed, Soc. & Behav. Vols. New position & address: Dir. of center pop. res., 68-, National Institute of Child Health & Human Development, Bldg. 31, Rockville Pike, Bethesda, Md. 20014.
- CAMPBELL, PROF. DORIS K. Psychology, Education. See A-K Vol. 11th ed, Soc. & Behav. Vols. New position: Prof., 68-, Dept. of Psychology, East Tennessee State University, Johnson City, Tenn. 37601.
- CAMPBELL, PROF. EARL C(LEVELAND). Political Science. See A-K Vol. 11th ed, Soc. & Behav. Vols. New information: Retired. Address: 712 King St, Medford, Ore. 97501.
- CAMPBELL, DR. ERNEST H(OWARD). Political Science. See A-K Vol. 11th ed, Soc. & Behav. Vols. New position: Co-dir., Munic. Res. & Serv. Center Wash., 70-. Address: 4902 30th Ave, S., Seattle, Wash. 98108.
- CAMPBELL, DEAN IAN LACHLAN. Sociology, Criminology. See A-K Vol. 11th ed, Soc. & Behav. Vols. New position & address: Dean of arts, 69-, Sir George Williams University, Montreal, Que. Can.
- CAMPBELL, DR. J. CHANDLER. Guidance, Psychology. See A-K Vol. 11th ed, Soc. & Behav. Vols. Change of address: Rohrer, Hibler & Replogle, 200 Mark Plaza, 21411 Civic Center Dr., Southfield, Mich. 48075.
- CAMPBELL, DR. JOHN PAUL, b. Carroll, Iowa, Sept. 1, 37; m. 64. PSYCHOLOGY, B.S., Iowa State, 59, M.S., 60; Ph.D. (psychol.), Minnesota, 64. Asst. prof. PSYCHOL., California, Berkeley, 64-66; MINNESOTA, MINNEAPOLIS, 66-69, ASSOC. PROF., 68-. Ford Found. faculty fel., 67-68; James McKeen Cattell res. award, *Am. Psychol.* Asn., 67. AAAS; Psychol. Asn. Measurement of human performance; managerial problem solving; organizational climate; organizational training and development. Publ.: Sr. auth., Managerial behavior, performance and effectiveness, McGraw, 70; Effectiveness of T-group experiences in managerial training and development, *Psychol. Bull.*, 68; auth., Personnel training and development, *Am. Rev. Psychol.*, 71. Address: Dept. of Psychology, University of Minnesota, Minneapolis, Minn. 55455.
- CAMPBELL, DR. PATRICK E(UGENE), b. Hays, Kans., Dec. 27, 42; m. 65; c. 1. PSYCHOLOGY, B.A., Talladega Coll., 54; M.A., 56; Nat. Inst. Neurol. Diseases & Blindness & Nat. Inst. Child Health & Human Development, Kansas, 66-68, Ph.D. (psychol.), 68. ASST. PROF. PSYCHOL., SOUTHERN METHODIST, 68-. Grant, 69-71. Psychol. Asn. Comparative psychology, animal learning and motivation, sequential trial theories. Publ.: Co-auth., The

- effects of goal box delay and separate delay box delay on pattern running, *Psychonomic Sci.* 17: 5-6; Resistance to extinction in the rat following regular and irregular schedules of partial reward, (in press); & Partially delayed reward: some effects of sequential reward magnitude in the rat, (in press), *J. Comp. & Physiol. Psychol.* Address: Dept. of Psychology, Southern Methodist University, Dallas, Tex. 75222.
- CAMPBELL, DR. RITA RICARDO. Economics. See A-K Vol. 11th ed, Soc. & Behav. Vols. Connections. V. chmn. & cmm. & West. Interstate Cmn. High Ed, Calif. 67- New information: Sr. fel, Hoover Inst, 69- Address: 26915 Alejandro Dr, Los Altos Hills, Calif. 94022.
- CAMPBELL, DR. ROBERT BLAIR. Sociology. See A-K Vol. 11th ed, Soc. & Behav. Vols. New information: On sabbatical leave from Southern Illinois. Address: Bentley Cottage, Madlock, Derbyshire, Eng.
- CAMPOLO, DR. ANTHONY, JR. b. Philadelphia, Pa. Feb. 25, 35; m. 58; c. 2. SOCIOLOGY, RELIGION. B.A. East. Baptist Col, 56, B.D. & Th.M. 60; Pennsylvania, 58-59; Ph.D.(sociol. of relig), Temple, 68. ASSOC. PROF. SOCIOL. EAST. BAPTIST COL, 65-. CHMN. DEPT. 68- Vis. assoc. prof. Pennsylvania, 67- Vis. lect. East. Baptist Theol. Sem, 68- Sociol. Soc. Role of the church in the midst of social change; influence of sociological conditions on religious doctrines; residential propinquity in relationship to mate selection. Publ: How existential is contemporary religious orthodoxy, *Watchman-Examiner*, 5/65; Some sociological problems of church strategy, *Foundations*, 7-8/68; Church generation gap, *Observer*, spring 69. Address: Dept. of Sociology, Eastern Baptist College, St. Davids, Pa. 19087.
- CAMPOS, DR. JOSEPH J. b. Santo Domingo, Dominican Republic, Dec. 13, 38; U.S. citizen; m. 66. PSYCHOLOGY. B.A. Manhattan Col, 60; Nat. Sci. Found. summer fcls, Cornell, 62, 65; Dallenbach Mem. fel, 64, Ph.D.(psychol), 66. Res. asst. psychol. Cornell, 65-66; fel, Albert Einstein Col. Med, 66-68; res. assoc. psychiat, Montefiore Hosp., N.Y., 68; ASST. PROF. PSYCHOL, DENVER, 68- Psychol. Asst. Soc. Psychophysiol. Res.; Pavlovian Soc. N.Am. Developmental psychophysiology; experimental psychology. Publ: Visual attention and verbalization interactions, 66, Affect, verbalization and directional fractionation, 67 & co-auth, Cognitive task and verbalization instruction, 67. Psychophysiology. Address: Behavior Development Lab, University of Denver, Denver, Colo. 80210.
- CAMU, DR. PIERRE. Economic Geography, Transportation. See A-K Vol. 11th ed, Soc. & Behav. Vols. Change of Address: St. Lawrence Seaway Authority, Trebla Bldg, 473 Albert St, Ottawa 4, Ont, Can.
- CANADY, PROF. HERMAN G(EOGE). Psychology. See A-K Vol. 11th ed, Soc. & Behav. Vols. New information: Emer. prof. 69-, Dept. of Psychology, West Virginia State College, Institute, W.Va. 25112.
- CANBY, DR. JOEL S(HACKELFORD). Anthropology. See A-K Vol. 11th ed, Soc. & Behav. Vols. Change of address: 2302 Manzanita, Corona, Calif. 91720.
- CANCIAN, DR. FRANCIS ALEXANDER. Anthropology. See A-K Vol. 11th ed, Soc. & Behav. Vols. New position & address: Prof. 69-, Dept. of Anthropology, Stanford University, Stanford, Calif. 94305.
- CANGEMI, JOSEPH PETER, b. Syracuse, N.Y. June 26, 36; m. 62; c. 2. EDUCATIONAL PSYCHOLOGY. B.S. State Univ. N.Y. Col. Oswego, 59; Elks Nat. Found. fel, Syracuse, 61, N.Y. State incentive award & univ. fel, 61-62, N.Y. State Ed. Dept. fel, 62, United Commercial Travelers Am. fel, & Syracuse Pub. Schs., fel, 62-63, M.S. 64; summer, U.S. Steel Corp. fel. & Cert. Wisconsin, Madison, 66. Instr. Syracuse Pub. Schs. Syst, N.Y., 59-60, res. asst., 61-62, coordinator voc. rehab, 62-65; instr. & asst. prin, Carol Morgan Sch, Dominican Repub, 60-61; lectr. & chmn. dept. psychol, exte. dev. exten. dir, State Univ. N.Y. Syracuse, 62-65, vis. prof, summer 65; superv. ed. Venezuela subsidiary, U.S. Steel Corp, 65-66, acting dir, training & develop, 66-68; asst. prof. psychol, Western Kentucky, 68-70; DR. COMMUN. & MANAGING ED, INT. REHAB. REV, INT. SOC. REHAB. DISABLED, 70- Chmn. guid. cmt, City of Guayana, Venezuela Adv. Proj, Harvard-Venezuela Govt, 67-68; ed. columnist, Daily Jour, Venezuela, 68-69; moderator ed. TV progr. Conversation, Western Kentucky, 69-70. Consult, human rels. center for ed. & Title III, West. Ky. Region, Western Kentucky, 69-70; R.R. Donnelley & Sons Co, 69-70. U.S.N.R., 54-62. Psychol. Asst; Personnel & Guid. Asst; Nat. Voc. Guid. Asst; Am. Rehab. Counseling Assn; Int. Coun. Psychol. Mental health; motivation and achievement within organizational structures; psychological aspects of communications; human relations aspects of education and industry. Publ: A comment on the dynamics of life chances and education, *J. Negro Ed.*, 12/67; The effects of organized camping experiences on the perception of self and society among a group of culturally disadvantaged potential school dropouts, *Panamanian Arch. Psychol.* 68 & J. N.Y. State Sch. Counsr. Asn, 68; Disturbed parents: a challenge to the school, *Ky. Ed. J.*, 69, Ed. Digest, 69 & *Quote Mag.* 70. Address: International Society for Rehabilitation of the Disabled, 219 E. 44th St, New York, N.Y. 10017.
- CANN, DR. KENNETH THOMAS. Economics. See A-K Vol. 11th ed, Soc. & Behav. Vols. New position & address: Assoc. prof. 68-, Dept. of Economics, Western Kentucky University, Bowling Green, Ky. 42101.
- CANNEDY, DR. RODNEY CARROLL, b. Wichita Falls, Tex. Jan. 30, 44; m. 60; c. 2. INDUSTRIAL & CLINICAL PSYCHOLOGY. B.A., Howard Payne Col, 63; Ph.D.(psychol), Baylor, 69. Instr. PSYCHOL, Howard Payne Col, 66-67; ASST. PROF. HARDIN-SIMMONS, 67- Consult. psychologist, W.Tex. Rehab. Center, 67- Psychol. Asst. Physiotherapist, 68- Psychol. Asst. testing & psychotherapy with emphasis on autonomic nervous system; tests for industrial selection and diagnosis of language disability. Address: Dept. of Psychology, Hardin-Simmons University, Abilene, Tex. 79601.
- CANNELL, PROF. CHARLES F, b. Antrim, N.H. Sept. 10, 13; m. 37; c. 2. PSYCHOLOGIA. B.A. Yale, 56; New Hampshire, 56; M.A. Ohio State, 40, Ph.D.(psychol), 52. Teaching asst. psychol, Ohio State, 40-42; asst. dir, Columbus Counseling Center, 41-42; head field sect. div. prog. sur. U.S.
- Dept. Agr. 42-46; lectr. Journalism, MICHIGAN, 52-53, asst. prof. JOURNALISM & PSYCHOLOGY, 54-57, assoc. prof. 57-62, PROF. 62-, PROG. DIR. & HEAD FIELD STAFF, SURVEY RES. CENTER, INST. SOC. RES. 46- Lectr. Nat. Training Lab. Group Develop, Bethel, Maine, 52-53. Consult, Lectr. Nat. Center Health Statistics, 66-68, Nat. Center Health Serv. Res. & Develop, 68- Fel. Psychol. Asst; Soc. Psychol. Study Social Issues. Social psychology; sample survey methods; interviewing research. Publ: Co-auth, *The dynamics of interviewing*, Wiley, 57, The collection of data by interviewing, *In: Research methods in the behavioral sciences*, Dryden, 53 & *Interviewing*, *In: Handbook of social psychology*, Addison-Wesley, 68. Address: Institute for Social Research, University of Michigan, Ann Arbor, Mich. 48106.
- CANNEY, JOHN P(ATRICK). Psychology. See A-K Vol. 11th ed, Soc. & Behav. Vols. Change of address: 190 Lilly Chapel Rd, West Jefferson, Ohio 43162.
- CANNON, DR. DENNIS, b. Neenah, Wis. Oct. 3, 33. PSYCHOLOGY. B.A. Wisconsin, 55; M.S. Purdue, 57, Ph.D.(psychol), 59. Sr. scientist, HumRRO, 59-67; ASST. PROF. PSYCHOL, PURDUE, 67- Psychol. Asst. Statistics; experimental design; physiological psychology. Publ: Co-auth, Effects of sleep deprivation on performance over a 48 hour period, HumRRO, 68; auth, Democratic authoritarian attitudes: comparison of the factor patterns from several populations, *Int. Anti-democratic attitudes in American schools*, Northwestern Univ, 63; co-auth, Use of collective schedules of reinforcement to regulate a team response rate, *Psychol. Record*, 1/64. Address: Dept. of Psychology, Purdue University, Ft. Wayne, Ind. 46805.
- CANNON, DR. MOSES(HAMLIN). Military & Religious History. See 5th ed, Dir. Am. Scholars, Vol. I, Hist.
- CANTELON, DR. JOHN EDWARD. Philosophy of Religion. See 5th ed, Dir. Am. Scholars, Vol. IV, Philos, Relig. & Law.
- CANTERBERY, DR. ESTES RAY. Economics. See A-K Vol. 11th ed, Soc. & Behav. Vols. New position & address: Assoc. prof. 70-, Dept. of Economics, Florida State University, Tallahassee, Fla. 32306.
- CANTOR, DR. JOEL M(ALCOLM). Psychology. See A-K Vol. 11th ed, Soc. & Behav. Vols. New position: Consult. prof. 69-, center studies narcotics & drug abuse, 69-, National Institute of Mental Health, 5454 Wisconsin Ave, Chevy Chase, Md. 20015.
- CANTRELL, DR. PAUL G. Psychology. See A-K Vol. 11th ed, Soc. & Behav. Vols. New position: Training, diag. & res. specialist, 69-, Jackson County Missouri Juvenile Court, 1305 Locust St, Kansas City, Mo. 64106.
- CANTRIL, DR. ALBERT H, JR. Political Science. See A-K Vol. 11th ed, Soc. & Behav. Vols. New position: V-pres, Inst. Int. Soc. Res, 69- Address: 124 Mercer St, Princeton, N.J. 08540.
- CANTRIL, DR. (ALBERT) HADLEY. Psychology. See 11th ed, Soc. & Behav. Vols, deceased 69.
- CAPEHART, DR. JACK EDWARD. Psychology. See 11th ed, Soc. & Behav. Vols, deceased 69.
- CAPLAN, DR. ELEANOR K(IRSCHNER). Sociology. See A-K Vol. 11th ed, Soc. & Behav. Vols. Change of address: Case Western Reserve University, Room 110 Baker Bldg, Cleveland, Ohio 44106.
- CAPORASO, DR. JAMES A, b. Sayre, Pa. Sept. 2, 41; m. 62; c. 1. POLITICAL SCIENCE. B.A. Pa. State, 63; M.A. Villanova, 65; Ph.D.(polit. sci), Pennsylvania, 68. ASST. PROF. POLIT. SCI, NORTHWESTERN, 68- Grants Off. Res. Coord, Northwestern Univ, 68-69 & 69-70, Center Inter-Societal Studies, 69-70. Consult, Meredith Pub. Co, Chicago, Ill, 69-70. International relations theory; general systems theory; functional analysis; some of the problems dealt with by philosophers of science. Address: Harris Hall, Northwestern University, Evanston, Ill. 60201.
- CAPUTO, DR. DANIEL V(INCENT). Psychology. See A-K Vol. 11th ed, Soc. & Behav. Vols. New position: Assoc. prof. 70-, Dept. of Psychology, Queens College, Kissena Blvd, Flushing, N.Y. 11367.
- CARBOY, DR. JOHN JOSEPH, JR. b. Astoria, N.Y. Feb. 10, 30. EDUCATIONAL PSYCHOLOGY. B.A. Manhattan Col, 53; M.A. Fordham, 57; Ph.D. (psychol), St. John's (N.Y.), 55. Teacher, St. Dominic High Sch, Oyster Bay, 57-62; Asst. psychol., St. Anthony's Psychiat. Clin, 57-59; psychol., Catholic Charities, Rockville Centre, 59-64; psychiat. dir, Mercy Hosp, Rockville Centre, 64-66; ASST. PROF. PSYCHOL, ST. JOHN'S (N.Y.), 65-. DIR. SCH. PSYCHOL. PROG, 67- Psychologist, Bd. Coop. Ed. Serv, Third Super, 59-60; dir. psychol. serv, South Huntington Sch. Dist, 60-70. Consult, L.I. Assocs. for Ment. Health, 64-65; Congressional Conf. Learning Disorders, Hofstra Univ, 65; Cmt. Learning Disabilities, South Huntington, 66-68; Cmt. Extended Readiness, South Huntington Schs, 68- Trustee, Taylor Center Controlled Reading, N.Y., 69- Chmn. Dist. Cmt. Except. Children, South Huntington, 69- Psychol. Asst; Coun. Except. Children. Development of objective test items for identification of learning disabilities in primary grade children; employment of filmstrip projection for group assessment procedures. Publ: Perceptual identification test, 69 & Pictorial reasoning and analogies test, 69, Eye Gate: Nature, recognition and treatment of learning disabilities, St. John's Univ, 69. Address: 51 Cornell Ave, Hicksville, N.Y. 11801.
- CARD, DR. DANA G(EOGE). Statistics. See A-K Vol. 11th ed, Soc. & Behav. Vols. New information: Emer. prof. agr. econ, 68-, Agricultural Experiment Station, University of Kentucky, Lexington, Ky. 40506.
- CARDEN, DR. MAREN LOCKWOOD, b. Stretford, Eng; m. 68. SOCIOLOGY. B.Sc. London, 55; M.A., Maryland, 57; Whitman Coll, Radcliffe Coll, summer 58; Ph.D.(sociol), Harvard, 63. Asst. prof. SOCIOL. State Univ. N.Y. Buffalo, 63-66; ASSOC. PROF. BOSTON, 66- Russell Sage Found. res. grant, 70-71 & summer 71; scholar, Radcliffe Inst, 70-71. Am. Philos. Soc. Award,

63. Social. Asn./Soc. Sci. Study Relig. Social reform movements; Utopian communities; sociology of religion; social psychology. Publ: Oneida: from utopian community to modern corporation, Johns Hopkins, 66; Experimental communities in America, Daedalus, 65. Address: Dept. of Sociology & Anthropology, Boston University College of Liberal Arts, 232 Bay State Rd, Boston, Mass. 02215.
- CARDON, DR. BARTELL WILSON, JR. Child & Clinical Psychology. See A-K Vol, 11th ed, Soc. & Behav. Vols. New position: Asst. prof. grad. sch. ed. Pennsylvania, 68- Address: 1521 Powder Mill Lane, Wynnewood, Pa. 19096.
- CARDOZO, MICHAEL H. Law. See 5th ed, Dir. Am. Scholars, Vol. IV, Philos, Relig. & Law.
- CARDOZO, DR. RICHARD N. b. Minneapolis, Minn, Feb. 13, 36; m. 59; c. 2. MARKETING. A.B. Carleton Col, 56; Fulbright fel, London, 56-57; M.B.A., Harvard, 59; Ford Found. fel, Minnesota, 61-63; Ph.D. (mkt), 64. Asst. prof. bus. admin, Harvard, 64-67; ASSOC. PROF. MKT. & DIR. CENTER EXP. STUDIES IN BUS. MINNESOTA, 67- Lectr. Gen. Elec. Co., 67- Consult, Morse Shoe, Inc., 66-67; Kendall Corp., 67. U.S.A.R. 59-65. Mkt. Asn. Marketing management: product policy; consumers' behavior. Publ: Co-auth, Problems in marketing, McGraw, 4th ed, 68; auth, An experimental study of consumer effort, expectation and satisfaction, J. Mkt. Res., 65; Segmenting the industrial market, Am. Mkt. Asn., 68. Address: Dept. of Marketing, University of Minnesota, Minneapolis, Minn. 55455.
- CAREY, DR. ALAN D(ONALD). Economics, Business Administration. See A-K Vol, 11th ed, Soc. & Behav. Vols. New position: Pres, Credit Bureau Metro-Detroit, Inc, 69- Address: 20918 Botsford Dr, Farmington, Mich. 48024.
- CAREY, DEAN EDWIN L. b. Anna, Ill, Jan. 15, 24; m. 47; c. 2. BUSINESS ADMINISTRATION. B.S. in Ed, Illinois State, 49; M.B.A., Indiana, 50, D.B.A., 60. Asst. prof. bus. admin, Lincoln Mem. Univ., 50; instr. bus. & acct, Flint Community Col., 50-57; assoc. prof. econ, Lamar State Col., 60-62; finance, Northern Illinois, 62-65 & 67-68; chmn. bus. studies, Ohio Univ.-U.S. Agency Int. Develop. prof, Western Nigeria, 65-67; PROF. BUS. ADMIN. & DEAN SCH. BUS. GUAM, 68- Finance Asn; Econ. Asn; Asn. Ed. Int. Bus; Soc. Int. Develop. Publ: Guam—a developing economy, Guam Tech. Serv., 70; Business education's role in a developing nation, Bus. Ed. World, 2/68 & A visit to the lair of the bear, Am. Int. Col. J., fall 68. Address: School of Business, University of Guam, Agaña, Guam 96910.
- CARLEY, DR. CAMERON, b. Chicago, Ill, Oct. 2. MANAGEMENT. B.S. Illinois, 51, Ph.D. (bus), 68; M.B.A., Northwestern, 54. Instr. econ, North Park Col., 58-65; ASST. PROF. MGT. DEPAUL, 69- Acad. Mgt. Financial structure typically found in the meat packing industry. Publ: Co-auth, Rights in conflict, In: The Walker report, Nat. Cmn. Causes & Prev. of Violence, 68. Address: Dept. of Management, College of Commerce, DePaul University, Chicago, Ill. 60614.
- CARLISLE, DR. ARTHUR ELLIOTT, b. Montreal, Que, Oct. 16, 26; m. 49; c. 5. LABOR ECONOMICS. B.A., McGill, 48; M.B.A., Michigan, 63, univ. fel, 63-64, U.S. Steel Found. fel, 64, Ford Found. fel, 65, Ph.D. (econ, indust. rels), 66. Asst. person. mgr. Bendix-Eclipse Co. Can. Ltd., 52-55; Stroh Brewery Co, Mich., 55-63; res. assoc, bur. indust. rels, Michigan, 63-66; ASSOC. PROF. MGT. MASSACHUSETTS, 66- Pres, Maumee Machine & Tool Co, Ohio, 65. R.C.N., 44-45. Econ. Asn; Indust. Rel. Res. Asn. Operation of United States subsidiaries in Canada; labor movement in Quebec. Publ: Cultures in collision, Univ. Michigan, Bur. Indust. Rel. Res., 67; Cultural differences and supervisory styles, Indust. Rel. Q., 1/68; co-auth, Affluence and the individual, Mgt. Personnel Q., fall 69. Address: Dept. of Management, University of Massachusetts, Amherst, Mass. 01002.
- CARLISLE, DR. RODNEY. United States History. See 5th ed, Dir. Am. Scholars, Vol. I, Hist.
- CARLOUGH, PROF. WILLIAM LESLIE. Religion. See 5th ed, Dir. Am. Scholars, Vol. IV, Philos, Relig. & Law.
- CARLSON, DR. ARTHUR RICHARD, b. Worcester, Mass, Apr. 19, 38. MARKETING, PSYCHOLOGY. A.B., Clark, 61; Ph.D. (psychol), Illinois, 68. Instr. psychol, Massachusetts, Boston, 67-68, asst. prof., 68-69; SYSTS. ANALYST, FULLER & SMITH & ROSS INC, 69- Consult, Northeast Opinion Res, Mass, 68-69. U.S.A.R., 62-68. Psychomet. Soc; Psychol. Asn; Mkt. Asn. Attitude measurement, psychological scaling; marketing and advertising research; surveys; motivation research; depth psychology; interviewing. Address: 250 E. 39th St, New York, N.Y. 10016.
- CARLSON, PROF. GUSTAV G(UNNAR). Ethnology. See A-K Vol, 11th ed, Soc. & Behav. Vols. New information: Head, 69-, Dept. of Anthropology, University of Cincinnati, Cincinnati, Ohio 45221.
- CARLSON, PROF. GUSTAVE E. b. Ashland, Wis, Dec. 8, 09; c. 5. EDUCATIONAL PSYCHOLOGY. B.S., Stout State, 34; M.S., Wisconsin, Madison, 35, Ph.D. (psychol. & ed), 42. Teacher, pub. schs, Wis., 28-30; guid. dir. adult ed, Civilian Conserv. Corp., 35-37; teacher & dir. summer session, Augustana Col. (S.Dak), 38-42; training adv. to Nelson Rockefeller, coordinator Inter-Am. Affairs, Wash, D.C., 42-45; VIS. PROF. ED. PSYCHOL., East. Wash. Col. Ed. 57; Inter-Am. Univ. P.R., 59; California Western, 60; Montana, 64; Chattanooga, 65; N.C. State Col., 66; Texas Southern, 67; HAMPTON INST., 68- Teacher & part-time res. asst, Univ. Wisconsin, 35-42. Pres. & chmn. bd, Midwest Press & Supply Co., 41-55. Hampton inst. rep, Int. Cong. Psychol., London, 69. Int. Cong. Psychol. Teacher personality: use of animals in motivating student learning; study of taraxen in psychotics; XYY chromosomes in criminality; circulation and importance of recall aspects of memory in senility. Address: Dept. of Psychology, Box 6591, Hampton Institute, Hampton, Va. 23368.
- CARLSON, DR. JACK WILSON. Economics. See A-K Vol, 11th ed, Soc. & Behav. Vols. New position: Asst. dir. U.S. Budget for Prog. Eval, Wash, D.C., 69- Address: 500 Canterbury Lane, Alexandria, Va. 22314.
- CARLSON, DR. KRISTIN ROWE, b. Minneapolis, Minn, July 31, 40. PHYSIOLOGICAL PSYCHOLOGY. B.A., Michigan, 62; Nat. Sci. Found. fel, McGill, 62-66, M.A., 63, Ph.D. (psychol), 66. Nat. Inst. Ment. Health fel, 66-68; ASST. PROF. PHARMACOL. & PSYCHOL., PITTSBURGH, 68- AAAS; Psychol. Asn. Physiological bases of learning and memory; psychopharmacology. Publ: Cortical spreading depression and subcortical memory storage, J. Comp. & Physiol. Psychol., 67. Address: Dept. of Pharmacology, 620 Scaife Hall, University of Pittsburgh School of Medicine, Pittsburgh, Pa. 15213.
- CARLSON, DR. MILTON E. Industrial Management. See A-K Vol, 11th ed, Soc. & Behav. Vols. New position: Assoc. dir., 69-, Bureau of University Research, Northern Illinois University, De Kalb, Ill. 60115.
- CARLSON, DR. NEIL R. b. Chicago, Ill, Sept. 23, 42; m. 66; c. 1. PSYCHOLOGY. A.B., Illinois, Urbana, 64, A.M. & Ph.D. (psychol), 66. Nat. Inst. Ment. Health fel, Iowa, 66-68; ASST. PROF. PSYCHOL., MASSACHUSETTS, 68- AAAS. Neural and hormonal control of maternal behavior and sequential behavior; sensory coding. Publ: Co-auth, Maternal behavior of mice with limbic lesions, 68. Enhanced alternation performance following septal lesions, 68; auth, Two-way avoidance behavior of mice with limbic lesions, 70, J. Comp. & Physiol. Psychol. Address: Dept. of Psychology, University of Massachusetts, Amherst, Mass. 01002.
- CARLSON, DR. RAE S(TAHL). Psychology. See A-K Vol, 11th ed, Soc. & Behav. Vols. New position & address: Exec. secy. soc. sci. res. cmt, 69-, National Institute of Mental Health, 5454 Wisconsin Ave, Room 10 A-01, Chevy Chase, Md. 20015.
- CARLSON, DR. RICHARD HOWARD, b. Minneapolis, Minn, Apr. 1, 27; m. 69; c. 3. PHYSIOLOGICAL PSYCHOLOGY. B.S., Minnesota, 52, Ph.D. (exp. psychol.), 63; M.Ed., Hawaii, 63. Instr. psychol., Minnesota, 59-63; asst. prof., physiol. psychol., Minn., 63-64; fel, Minnesota, 64-65; Nat. Inst. Health fel, neurophysiol., Yale, 65-68; ASST. PROF. PSYCHOL., TEXAS TECH., 66- Psychol. Asn. Neurophysiology of motivation; social behavior in animals induced by brain stimulation. Address: Dept. of Psychology, Texas Tech University, Lubbock, Tex. 79409.
- CARLSON, DR. ROBERT ELMER, b. Minneapolis, Minn, Jan. 1, 36; m. 60; c. 3. PSYCHOLOGY. B.B.A., Minnesota, 59, M.A., 60, Ph.D. (psychol), 65. Res. asst., indust. rels. center, Minnesota, 58-59, res. fel, family study center, 59-60, indust. rels. center, 60-63, lectr., 64-65; RES. DIR., LIFE INS. AGENCY MGT. ASN., 65- U.S.N., 54-62. Psychol. Asn; Indust. Rel. Res. Asn. Decision making in interpersonal perception, nature, structure and function of performance criteria; meaning and importance of job satisfaction. Publ: Co-auth, The measurement of employment satisfaction, Univ. Minnesota Indust. Rel. Center, 62; auth, The interaction of organization and individual influences on hiring decisions, In: Organizational behavior, Irwin, 69; Effect of interview information in altering valid impressions, J. Appl. Psychol., 70. Address: Life Insurance Agency Management Association, 170 Sigourney St, Hartford, Conn. 06105.
- CARLSON, DEAN ROBERT S(COTT), b. Chicago, Ill, June 16, 34; m. 62; c. 2. BUSINESS ADMINISTRATION. S.B., Mass. Inst. Tech., 56; Allied Chem. Found. & Cook County fel, Billings & Mass. Inst. Tech. Club of Chicago scholars, Stanford, 60-64, M.B.A., 62, Ph.D. (bus), 64. Instr. U.S. Naval Reserve Intel. Sch., 57-60; fel, Ford Motor Co., 62; financial analyst, Standard Oil Co. (N.J.), 63; instr. bus. admin, Stanford, 63-64; asst. prof., Columbia, 64-66; asst. prof., Harvard Bus. Sch., 66-69; DEAN CHARLES H. BABCOCK SCH. BUS. ADMIN., WAKE FOREST, 69- Vis. prof., Robert Col., Istanbul, 66; dir, Bates & Daly, Inc, 69- Consult, Am. Mgt. Asn., 64-66; Arthur D. Little, Inc, 66-67. U.S.N.R., 57-60. Lt. Econ. Asn; Finance Asn. Measuring investment performance. Publ: Aggregate performance of mutual funds, J. Financial & Quant. Anal., 70. Address: Wake Forest University Charles H. Babcock School of Business Administration, P.O. Box 7285, Winston-Salem, N.C. 27109.
- CARLSON, DR. ROY LINCOLN. Anthropology, Archaeology. See A-K Vol, 11th ed, Soc. & Behav. Vols. New information: Also dir. archaeol. studies, 69-, Simon Fraser University, Burnaby 2, B.C., Can.
- CARLSTON, PROF. KENNETH S(MITH). International Law. See 5th ed, Dir. Am. Scholars, Vol. IV, Philos, Relig. & Law.
- CARMEN, DR. IRA H(ARRIS). Political Science. See A-K Vol, 11th ed, Soc. & Behav. Vols. New position: Assoc. prof., 69-, Dept. of Political Science, University of Illinois, Urbana, Ill. 61801.
- CARMICHAEL, DR. CARL WILLIAM, b. Pittsburgh, Pa, Jan. 11, 40; m. 63; c. 3. COMMUNICATION RESEARCH. B.A., Westminster Col. (Pa), 61; M.A., La. State, 62; Ph.D. (commun), Iowa, 65. ASSOC. PROF. COMMUN. & DIR. COMMUN. RES. CENTER, OREGON, 65- Int. Commun. Asn; Speech Commun. Asn. Publ: Co-auth, Frustration and language intensity, Speech Monographs, 6/65; auth, The development of communication theory: a preliminary analysis, Commun. Spectra 7, Nat. Soc. Study Commun., 6/68. Address: Dept. of Speech, University of Oregon, Eugene, Ore. 97403.
- CARMODY, DR. GEORGE R. Population Genetics. See Suppl. VI to 11th ed, Phys. & Biol. Vols.
- CARNAHAN, PROF. JAMES EDWIN. Public Administration. See A-K Vol, 11th ed, Soc. & Behav. Vols. New position: Coordinator res. & develop, highway traffic safety center, Mich. State, 69- Address: 2795 Lamoreaux Lane, Holt, Mich. 48842.
- CARNATHAN, DR. JAMES GILBERT. Experimental Psychology. See A-K Vol, 11th ed, Soc. & Behav. Vols. New position & address: Mgr. training, 69-, New Eng. Merchants National Bank, 28 State St, Boston, Mass. 02106.

- CARNEIRO, DR. ROBERT LEONARD. Anthropology. See A-K Vol, 11th ed, Soc. & Behav. Vols. New position: Curator S. Am. Ethnol. 69, Dept. of Anthropology, American Museum of Natural History, 79th & Central Park W, New York, N.Y. 10024.
- CARNES, PROF. JESS GALE. Modern European & English History. See 5th ed, Dir. Am. Scholars, Vol. I, Hist.
- CAROL, PROF. HANS (HEINRICH). Geography. See A-K Vol, 11th ed, Soc. & Behav. Vols. Change of address: Dept. of Geography, York University, Toronto-Downsview, Ont, Can.
- CARP, DR. FRANCES (MERCHANT). Psychology. See A-K Vol, 11th ed, Soc. & Behav. Vols. New position & address: Res. specialist, 69, Langley Porter Neuropsychiatric Institute, 401 Parnassus Ave, San Francisco, Calif. 94122.
- CARPENTER, PROF. CHESTER J. b. Robertson, Wyo, Nov. 17, 19; m. 62; c. 2. SOCIOLOGY. A.B. Southern California, 52, grad. cert. soc. work, 54; M.S., Iowa State, 59; univ. fel. Fla. State, 61-62, Ph.D. (sociol. soc. welfare), 69. Caseworker, Family Serv. League, Iowa, 55-57; instr. sociol. & soc. work, Iowa State, 57-59; soc. welfare, Fla. State, 60-62; asst. prof. SOCIOL. & SOC. WORK, INDIANA STATE, 62-65, asst. prof. 65-70, PROF., 70. Mem. house, ed. Coun. Soc. Work Ed. 66- Med. Dept. U.S.A., 41-46, Res. Maj. Nat. Assn. Soc. Workers; Acad. Cn. Soc. Workers; Nat. C. Workers; Nat. C. Family Rel.; Cn. Soc. Work Ed. Social and psychological determinants in family life, parenting and employed mothers. Address: Dept. of Sociology & Social Work, Indiana State University, Terre Haute, Ind. 47809.
- CARPENTER, PROF. CLARENCE (RAY). Behavioral Psychology, Primatology. See L-Z Vol, 11th ed, Soc. & Behav. Vols. New position & address: Res. prof. psychol. & anthrop., 70-, Dept. of Psychology, University of Georgia, New Psychology Bldg, Athens, Ga. 30601.
- CARPENTER, PROF. DAVID B(AILEY). Sociology. See A-K Vol, 11th ed, Soc. & Behav. Vols. New information: Also chmn. dept. sociol., Washington (St. Louis), 69. Address: 715 W. Oak Dr., Glendale, Mo. 63122.
- CARPENTER, DR. EARL T(HOMAS), b. Hannibal, Mo, Mar. 25, 24; m. 44; c. 3. AGRICULTURAL & VOCATIONAL EDUCATION. B.S. Missouri, 48, M.Ed. 54, Ed.D. (agr. ed), 60. Coordinator agr. short courses, Missouri, 60-61, asst. prof. agr. ed, 62-67; CLEMSON, 61-62, dir. res. coord. unit, 67-68, ASSOC. PROF. AGR. ED, 68- Voc. ed. consult. Midcontinent Regional Ed. Lab, 66; curriculum consult. Mo. State Dept. Ed, 66-67. U.S.A., 43-46. Ed. Res. Asn; Voc. Ed. Res. Asn. Curriculum development; scholastic rehabilitation of underachieving students. Publ: Farming opportunities in Missouri projected through 1975, Agr. Exp. Sta. Univ. Missouri, 60 & Plant science for regional agriculture in Missouri, Mo. State Dept. Ed, 67; co-auth. The occupational structure of Dillon County, South Carolina. Res. Coord. Unit, Clemson, 68. Address: Dept. of Agricultural Education, Clemson University, Clemson, S.C. 29631.
- CARPENTER, DR. FRANK ROBERT, b. Troy, Kans, Aug. 15, 20; m. 40; c. 5. AGRICULTURAL EDUCATION, EDUCATIONAL ADMINISTRATION. B.S. Kansas State, 48, M.S., 51; Ph.D. (agr. ed), Missouri-Columbia, 67. Teacher, elem. schs, Kans, 48-51; machinist & crew chief, Cessna Aircraft Co, 42-44; instr, high sch, 48-49; asst. instr. agr. ed, Kansas State, 49-51; instr, high sch, 51-56; asst. state superv. voc. agr. State Bd. Voc. Ed, 56-61; ASST. DEAN COL. AGR. KANSAS STATE, 61- Consult. voc. ed, Ahmadu Bello Univ, Nigeria, summer 69. U.S.N., 44-46. Agricultural education at the university level, including factors affecting enrollments, curriculum development and effective instruction. Publ: A study of the occupational status of state farmer degree members of Kansas, Agr. Ed. Mag, 1/52; co-auth. Relationships between educational experiences of vocational agriculture students and their enrolling in a college of agriculture, J. Nat. Assn. Colls. & Teachers of Agr, 12/69. Address: College of Agriculture, Kansas State University, Manhattan, Kans. 66502.
- CARPENTER, DR. GENEVIEVE C(ASTRODALE). Psychology. See A-K Vol, 11th ed, Soc. & Behav. Vols. New position & address: Sr. lectr, 70-, Behaviour Development Research Unit, St. Mary's Hospital Medical School, University of London, 310 Edgware Rd, London, W.2, Eng.
- CARPENTER, DR. PATRICIA HUMPHREY. Clinical Psychology. See A-K Vol, 11th ed, Soc. & Behav. Vols. New information: Consult, St. Clair Hosp, Detroit, 69. Address: 3875 W. Coon Lake Rd, Howell, Mich. 48843.
- CARPENTER, DR. WALTER H, JR. Business Policy, Labor Relations. See A-K Vol, 11th ed, Soc. & Behav. Vols. New information: Also v-pres. acad. affairs, 69-, Babson College of Business Administration, Babson Park, Mass. 02157.
- CARR, DR. BURCHARD M, b. Indianapolis, Ind, Apr. 17, 35; m. 59; c. 2. SPEECH PATHOLOGY, COMMUNICATION SCIENCE. A.B. Denison, 57; M.A. Ohio, 62, Ph.D. (speech path), 64. Asst. prof. speech path, Vermont, 64-66; asst. prof. speech path. & dir. speech hearing clin, Oklahoma State, 66-67; ASST. PROF. SPEECH PATH, WISCONSIN-MILWAUKEE, 67- Consult. Winfield State Hosp. & Training Center, Kans, 67. U.S.A.F., 57. Speech & Hearing Asn; Acoustical Soc. Am; Speech Asn. Am. Speech production processes; speech perception. Publ: Delayed auditory feedback and breathing, Cent. States Speech J, spring 68. Address: Dept. of Speech, University of Wisconsin-Milwaukee, Milwaukee, Wis. 53211.
- CARR, DR. GEORGE L(EROY). Physics, Science Education. See Suppl. VI to 11th ed, Phys. & Biol. Vols.
- CARR, DR. LOIS GREEN. American Colonial & Legal History. See 5th ed, Dir. Am. Scholars, Vol. I, Hist.
- CARRIER, DR. RONALD EDWIN. Economics. See A-K Vol, 11th ed, Soc. & Behav. Vols. New position: V-pres. acad. affairs, 69-, Memphis State University, Memphis, Tenn. 38111.
- CARRIGAN, DR. ROBERT LAWRENCE. Religion, Behavioral Sciences. See 5th ed, Dir. Am. Scholars, Vol. IV, Philos, Relig. & Law.
- CARRIKER, PROF. WILLIAM (REVERE). Educational Psychology. See A-K Vol, 11th ed, Soc. & Behav. Vols. New position & address: Prof. spec. ed. & chmn. dept, 69-, School of Education, Room 17 Peabody Hall, University of Virginia, Charlottesville, Va. 22903.
- CARRINGTON, DR. JOHN OLIVER. American & European History. See 5th ed, Dir. Am. Scholars, Vol. I, Hist.
- CARROLL, DR. BERENICE ANITA. Modern History. See 5th ed, Dir. Am. Scholars, Vol. I, Hist.
- CARROLL, DAVID W, S.J., b. Valley Stream, N.Y., Sept. 29, 26. CLINICAL PSYCHOLOGY. Ph.L. Woodstock Col, 51, M.A.T., 52, S.T.L., 58; M.A., Fordham, 61, Ph.D. (clin. psychol), 67. Teacher, high sch, N.Y., 51-54; asst. prof. psychol., Fordham, 65-69, dir. counseling center, 66-69; DIR. PERSONNEL, NEW YORK JESUIT PROVINCE, 69- Psychol. Asn; Personnel & Guid. Asn., Personality assessment; psychotherapy; psychology of religion. Publ: Follow-up study of psychological assessment. In: Psychological assessment for ministerial selection, Fordham Univ, 70. Address: Kohlmann Hall, 501 E. Fordham Rd, Bronx, N.Y. 10458.
- CARROLL, DR. JEROME F(RANCIS XAVIER), b. Baltimore, Md, May 29, 34; m. 56; c. 5. CLINICAL & COUNSELING PSYCHOLOGY. B.A. Maryland, 56, M.A., 58; Ph.D. (counseling psychol), Temple, 68. Asst. prof. psychol., La Salle Col, 62-68; COORDINATOR FAMILY & COUNSELING SERV., PHILA. BD. ED, 69- Consult. Misericordia Sch. Nursing, 63-67; Cath. Soc. Serv. Adoption Dept, 63- U.S.A.F., 58-62, 1st Lt. Psychol. Asn. Adoption, especially education for prospective adoptive parents; elementary school guidance and counseling; racial prejudice; campus unrest; abnormal and social psychology; personality. Address: 348 E. Gowen Ave, Philadelphia, Pa. 19119.
- CARROLL, PROF. ROY. History of England & Early Modern Europe. See 5th ed, Dir. Am. Scholars, Vol. I, Hist.
- CARROLL, DR. VERN. Social Anthropology. See A-K Vol, 11th ed, Soc. & Behav. Vols. New position: Assoc. prof., Washington, (Seattle), 69- New publ. Ed, Adoption in Eastern Oceania, Monogr, Univ. Hawaii, 69. Address: Dept. of Anthropology, University of Washington, Seattle, Wash. 98622.
- CARROLL, REV. X. WILLIAM. Theology, Psychology. See 5th ed, Dir. Am. Scholars, Vol. IV, Philos, Relig. & Law.
- CARRON, THEODORE J(OSEPH). Psychology, Chemical Engineering. See A-K Vol, 11th ed, Soc. & Behav. Vols. New position: Mgr. mgmt. develop. & training, 69-, Ethyl Corp, P.O. Box 2189, Richmond, Va. 23217.
- CARRUTH, PROF. JAMES F(RANKLIN), b. Memphis, Tenn, Dec. 16, 26; m. 49; c. 4. CLINICAL PSYCHOLOGY. B.S. Illinois, 48, M.S., 51, Ph.D. (clin. psychol), 53. Asst. prof. PSYCHOL, WEST VIRGINIA, 53-57, assoc. prof. 57-65, PROF., 65-, DIR. STUDENT COUNSELING SERV., 65- U.S.A.F., 46-47. Psychol. Asn. Validation of psychological diagnostic and therapeutic procedures; child development; development of behavior. Address: Student Counseling Service, West Virginia University, Morgantown, W. Va. 26506.
- CARRY, DR. L(AROY) RAY. Mathematics, Education. See Suppl. VI to 11th ed, Phys. & Biol. Vols.
- CARSON, PROF. ROBERT C(HARLES). Psychology. See A-K Vol, 11th ed, Soc. & Behav. Vols. New position: Prof. Duke, 68- New publ: Interaction concepts of personality, Aldine, 69. Address: Division of Medical Psychology, Duke University Medical Center, Durham, N.C. 27706.
- CARSON, WILLIAM MORRIS. Anthropology. See A-K Vol, 11th ed, Soc. & Behav. Vols. New position & address: Mgr. mgmt. develop, 70-, Saudi-Arabian Airlines, P.O. Box 167, Jeddah, Saudi-Arabia.
- CARSTENS, PROF. WILLIAM PETER. Social Anthropology, Sociology. See A-K Vol, 11th ed, Soc. & Behav. Vols. New position: Prof., 69-, Dept. of Anthropology, University of Toronto, Toronto, Ont, Can.
- CARTER, DR. BYRUM E(ARL). Political Science. See A-K Vol, 11th ed, Soc. & Behav. Vols. New position: Chancellor, Indiana, Bloomington, 69- Address: 1900 Ruby Lane, Bloomington, Ind. 47401.
- CARTER, DEAN ELTON S(TEWART), b. Castle Hill, Maine, May 6, 19; m. 46; c. 2. SPEECH. B.A. Maine, 41; M.A. Ind. State Teachers Col, 47; Ph.D., Northwestern, 50. Asst. & traveling hearing consult, Ind. State Teachers Col, 41-42, 45-46, teacher, 46-47; assoc. prof. speech, Pa. State, 50-63; dir. priv. develop. HRR-Singer, Inc, 63; DEAN GRAD. COL. NEBRASKA, OMAHA, 63- U.S.A.F., 43-45. AAAS; Nat. Soc. Study Comm; Int. Soc. Gen. Semantics. General semantics; communication; graduate education. Publ: Learning your way through college, C.C. Thomas, 63; Experimental heuristic as an approach in problem solving. In: Computer augmentation of human reasoning, 63; co-auth. Modern heuristic in historical perspective with implications for research pedagogy. Gen. Semantics Bull, 62. Address: Graduate College, University of Nebraska at Omaha, 60th & Dodge St., Omaha, Nebr. 68101.
- CARTER, PROF. GEORGE L(AROME, JR. Administration, Animal Science. See A-K Vol, 11th ed, Soc. & Behav. Vols. New information: On leave from Univ. Wis. as dir. postgrad. prof. for agr. adv. personnel, 69- University College of Dublin, Lyons Estate, Celbridge, County Kildare, Ireland.
- CARTER, DR. JERRY WILLIAMS, JR. Psychology. See A-K Vol, 11th ed, Soc. & Behav. Vols. New information: Independent consult. psychologist, 69- Address: 7801 Glenbrook Rd, Bethesda, Md. 20014.

- CARTER, DR. JOHN LELAND, b. Los Angeles, Calif. Nov. 30, 27; m. 50; c. 2. EDUCATIONAL PSYCHOLOGY. B.A., Sam Houston State Col., 50; U.S. Off. Ed. fel. & Ph.D. (ed. & clin. psychol.), 65. Asst. prof. spec. ed., Northwest State Col. (La.), 57-61; Auburn, 61-64; ASSOC. PROF. CLIN. ED. & DIR. DEPT. SPEC. ED. HOUSTON, 64- Psychol. Asn.; Asn. Ment. Deficiency Coun. Except. Children. Enhancement of intellectual ability of children; determination of causes of scholastic difficulty; appropriate treatment of children with learning difficulties. Publ: Effects of a language stimulation program on educationally disadvantaged children & Auditory and visual distractors on MBI and non MBI children. U.S. Off. Ed., 69; Enhancing physical fitness of educable retarded boys. Tex. Asn. Health, Phys. Ed. & Recreation, 70. Address: Dept. of Special Education, University of Houston School of Education, Houston, Tex. 77004.
- CARTER, DR. LAMORE JOSEPH, b. Carthage, Tex. Apr. 18, 25; m. 57; c. 2. PSYCHOLOGY, EDUCATION. A.B. Fisk, 50; M.S. Wisconsin, 52; Ford Found. fel. Chicago, summer 54; Ph.D. (ed. psychol.), Iowa, 58. Instr. psychol. & asst. supvr. follow-up serv. Grambling Col., 52-56; res. asst. psychol. State Univ. Iowa, 56-58; dir. spec. ed. Grambling Col., 58-66; adminstr. res. & spec. ed. progs., 66-69; Nat. ed. res. fel. psychol. SOUTH. ASN. COLS. & SCS. 69-70. RES. SPECIALIST, CMN. ON COLS., 70. Coordinator of res. La. Ed. Asn., 61-63; psychol. serv. Head Start Prog., North La., 67; vis. prof. psychol. & ed. Morehouse Col., 70. Voc. consult. Bur. Hearings & Appeals, Soc. Security Admin., 66; consult-field reader for res. proposals, U.S. Off. Ed. Bur. Ed. for Handicapped, 68-; ed. consult. Ed. Resource Center for Sch. Desegregation, New Orleans, La., 68-; psychol. consult-lectr., Northeast La. State Col., 69-70; mem. Nat. Coun. Univ. Res. Adminstrs. U.S.A., 43-46, 5/ Sgt. Ed. Res. Asn. Psychol. Asn.; Asn. Instrl. Res. Coun. Except. Children; ad. Asn. Ment. Deficiency. Administrative organization and effectiveness in higher education; curriculum innovation and student learning at college level; the decision-making process in higher education. Publ: Co-auth. A comparison of two groups of teacher-trainees whose professional experiences differ in organization, scope and sequence. Bur. Res. Off. Ed. Dept. Health, Ed. & Welfare, 69; Inhibition phenomena in fast and slow learners. J. Ed. Psychol., 52: 30-34; auth. Coping with troubled behavior. Pointer, 13: 18-20. Address: Southern Association of Colleges & Schools, 795 Peachtree St. N.E., Atlanta, Ga. 30308.
- CARTER, PROF. ROY E (RNEST), JR. Sociology. See A-K Vol, 11th ed. Soc. & Behav. Vols. New position: Prof. mass comm. social & Latin Am. studies, 68-. Dept. of Sociology, University of Minnesota, Minneapolis, Minn. 55455.
- CARTER, PROF. SHERMAN F, b. Salt Lake City, Utah, Mar. 27, 26; m. 50; c. 6. BUSINESS ADMINISTRATION. B.S. Georgia, 56; M.B.A., Syracuse, 58; Ph.D. (bus. admn.), American Univ., 66; Indust. Col. Armed Forces, 68. PROF. BUS. ADMIN. & FINANCIAL & ADMIN. V. PRES. IDAHO, 69- U.S.A., 45-69. Col. Finance; public administration. Address: Office of President, University of Idaho, Moscow, Idaho 83843.
- CARTER, PROF. WILLIAM A (MBROSE). Economics. See A-K Vol, 11th ed. Soc. & Behav. Vols. New position: Mem. faculty & dir. Northern New Eng. Sch. Banking, 69-. Address: Robert Frost Lane, Etna, N.H. 03750.
- CARTER, DR. WILLIAM E. Cultural Anthropology. See A-K Vol, 11th ed. Soc. & Behav. Vols. New information: Also dir. Center Latin Am. Studies, Florida, 68-. New publ: New lands and old traditions, Univ. Florida, 69. Address: University of Florida, 450 College Library, Gainesville, Fla. 32601.
- CARTWRIGHT, DR. GLEN PHILLIP, b. New Castle, Md. (d. 14, 37; m. 66. SPECIAL EDUCATION. B.S. Illinois, 60; M.S. 62; Ph.D. (ed.), Pittsburgh, 66. Psychologist, Sci. Res. Assocs., 63-64; asst. prof. Ed. Hawaii, 66-67; PA. STATE, 67-70; ASSOC. PROF. 70- U.S. Off. Ed. grants, 69-71. Psychol. Asn.; Ed. Res. Asn. Computer-assisted instruction; computer analysis of natural language. Publ: Appraisal of written expression, In: Teacher diagnosis of educational difficulties, Merrill, 69; Dimensions of written language, J. Ment. Deficiency, 1/69; co-auth. Measurement of incentive motivation, Teaching Except. Children, spring 70. Address: 201 Chambers Bldg., Pennsylvania State University, University Park, Pa. 16802.
- CARTWRIGHT, DR. ROSALIND D (YMOND). Psychology. See A-K Vol, 11th ed. Soc. & Behav. Vols. Change of address: Behavioral Sciences Bldg., University of Illinois at Chicago Circle, Chicago, Ill. 60680.
- CARTWRIGHT, DR. WALTER J (JOSEPH). Sociology. See A-K Vol, 11th ed. Soc. & Behav. Vols. New position: Prof. social & chmn., 69-. Dept. of Sociology & Anthropology, Texas Tech University, Lubbock, Tex. 79409.
- CARUTH, DR. WILDRIDGE ROBERT BRIAN, b. Dublin, Ireland, May 2, 40; m. 66; c. 1. OPERATIONS RESEARCH, MANAGEMENT SCIENCE. B.A.I. & B.A. Dublin, 61, Ph.D., 64; Toronto, 65-66. Engr. Montreal Eng. Co., 64; ops. res. analyst, Ont. Hydro Power Cmn., 65-66; res. scientist, Travelers Res. Center, 66-67; dir. resource sys. div., 67-68; MGR. OPERS. RES. SOUTHWEST RES. INST., 68- Inst. Mgt. Sci. Opers. Res. Soc. Am. Resource management; systems analysis. Address: 426 Mary Louise Dr., San Antonio, Tex. 78201.
- CARUTHERS, DR. ROBERT PHELPS. Psychology, Neurophysiology. See Suppl. V to 11th ed. Phys. & Biol. Vols.
- CARZO, PROF. ROCCO JR., b. Crum Lynne, Pa. Dec. 25, 29; m. 53; c. 4. BUSINESS ADMINISTRATION. B.S. Delaware, 51; M.S. Baylor, 54; D.B.A., Indiana, 58. Army tank inspector, Baldwin-Lima-Hamilton Corp., 51; instr., Alaska, 54-55; Indiana, 55-58; PROF. MGT. & HEAD DEPT., Pa. State, 67-70; SCH. BUS. TEMPLE, 70- Prof. training, Gen. Elec. Corp., 51; Ford Found. fel. summer 54; Ph.D. (A.F.), 51-55, 3/54; Ad. Mgt. Soc. Gen. Sys. Res. Organization theory; effect of organization structure on group performance; models for organization design. Publ: Co-auth. Formal organization: a systems approach, Irwin, 67; auth. Some effects of organization structure on group effectiveness, 3/63 & co-auth. Effects of flat and tall organization structure, 6/69. Admin. Sci. Quart. Address: School of Business, Temple University, Philadelphia, Pa. 19122.
- CASE, DR. MAURICE. Sociology. See 11th ed. Soc. & Behav. Vols. deceased 68.
- CASELLA, DR. CONO. Economics. See A-K Vol, 11th ed. Soc. & Behav. Vols. New position: Prof. econ., Long Island, 69-. Address: 1 Beechwood Dr., Glen Head, N.Y. 11545.
- CASEY, PROF. RALPH D (ROZ). Journalism, Communications. See 5th ed. Dir. Am. Scholars, Vol. 1, Hist.
- CASHMAN, DR. BEN, b. Stockton, Calif., Aug. 31, 22; m. 49; c. 2. POLITICAL SCIENCE. B.A., Washington (Seattle), 49, Ph.D. (polit. sci.), 69; M.A., Fletcher Sch. Law, 50. Intel. res. analyst, off. asst. chief of staff, Dept. Army, 51-52; lectr. POLIT. SCI., Seattle, 62-64; asst. prof., Shoreline Community Col., 64-67; SEATTLE, 67-69, ASSOC. PROF. & CHMN. DEPT., 69-U.S.A., 40-46, 52-61, Lt. Col. Polit. Sci. Asn. Communist China; international relations and law; public law; citizenship status and residual treaty rights of American Indians. Publ: Co-auth. The new United Nations, Am. Enterprise Inst., 6/65. Address: Dept. of Political Science, Seattle University, Broadway & Madison, Seattle, Wash. 98122.
- CASHMAN, DR. PAUL H. Speech Communication. See 5th ed. Dir. Am. Scholars, Vol. II, Eng. Speech & Drama.
- CASKEY, DR. OWEN L (A VERNE). Psychology. See A-K Vol, 11th ed. Soc. & Behav. Vols. New information: Also v. pres. student affairs, 68-. College of Education, Texas Tech University, Lubbock, Tex. 79409.
- CASPER, PROF. BERENICE M (ARGARET). Geography. See A-K Vol, 11th ed. Soc. & Behav. Vols. New information: Also chmn., 69-. Dept. of Geography, Trenton State College, Trenton, N.J. 08625.
- CASPER, DR. JONATHAN DAVID, b. Tacoma Park, Md. June 2, 42. POLITICAL SCIENCE. B.A., Swarthmore Col., 64; M.A. Yale, 65, Ph.D. (polit. sci.), 68. Res. fel. POLIT. SCI., Brookings Inst., 67-68; ASST. PROF. YALE, 68-Soc. Sci. Res. Coun. grant, 70-71. Polit. Sci. Asn. Law & Society Asn. Legal institutions and processes. Publ: Lawyers and loyalty-security litigation, Law & Society Rev., 5/69; Lawyers before the Supreme Court: civil liberties and rights, 1957-66, Stanford Law Rev., 2/70. Address: Dept. of Political Science, Yale University, New Haven, Conn. 06520.
- CASSELLA, DR. WILLIAM N (ATHAN). Political Science. See A-K Vol, 11th ed. Soc. & Behav. Vols. New position: Exec. Dir. Nat. Munic. League, 69-Address: 100 Buena Vista Dr., Dobbs Ferry, N.Y. 10522.
- CASSTEVENS, DR. THOMAS WILLIAM, b. Fayette, Mo., Feb. 3, 37; m. 58; c. 2. POLITICAL SCIENCE. B.A., Reed Col., 59; Falk fel. Mich. State, 59-60, Ph.D. (polit. sci.), 66. ASST. instr. soc. sci., Mich. State, 61-63; asst. res. polit. informat., California, Berkeley, 63-66; asst. prof. POLIT. SCI., OAKLAND, 66-69; ASSOC. PROF., 69- Lectr. California, 63-64; Nat. Sci. Found. Sci. Faculty fel., 68-69; vis. fel. Dartmouth Col., 68-69. Polit. Sci. Asn. British and American politics; mathematical political science. Publ: The politics of fair housing legislation, Chander, 68; Party theories and British parties, Midwest J. Polit. Sci., 61; A theorem about voting, Am. Polit. Sci. Rev., 68. Address: Dept. of Political Science, Oakland University, Rochester, Mich. 48063.
- CASTELLAN, DR. (NORMAN) JOHN, JR. Psychology. See A-K Vol, 11th ed. Soc. & Behav. Vols. New position: Assoc. prof., 69-. Dept. of Psychology, Indiana University, Bloomington, Ind. 47401.
- CASTIGLIONE, DR. LAWRENCE VIRGIL, b. Portchester, N.Y., Sept. 29, 38; m. 65; c. 2. EDUCATIONAL PSYCHOLOGY. B.S., N.Y. Univ., 61, M.A., 62, Ph.D. (ed. psychol.), 65. Asst. prof. & dir. res. dept. ed. Queens Col., 65-69; ASST. PROF. ED. PSYCHOL. & DIR. RES. ACTIVITIES, SCH. ED. PACE COL., 69- Summer prof. res. dir. Center Urban Ed. New York, 66-68. Psychol. Asn.; Ed. Res. Asn.; Soc. Psychol. Study of Social Issues; Nat. Coun. Measurement in Ed.; Asn. Higher Ed. Research design and educational psychology; complex cognitive abilities; psychological aspects of social issues. Publ: Co-auth. The expansion of kindergarten and prekindergarten programs in disadvantaged areas of New York City, 66 & auth. Potential mobility among career teachers in New York City's middle schools: the relationship to selected occupational characteristics, expectations and attitudes, 68, Center Urban Ed.; co-auth. Effect of one type of need complementarity on marriage partners' conformity to one another's judgments, J. Abnormal & Soc. Psychol., 67: 8-14. Address: School of Education, Pace College, 41 Park Row, New York, N.Y. 10038.
- CASTLE, DEAN WILLIAM EUGENE. Speech Pathology. See A-K Vol, 11th ed. Soc. & Behav. Vols. New position: Dean, Nat. Tech. Inst. for Deaf, 69-Address: 59 Pine View Dr., Penfield, N.Y. 14526.
- CASTO, DR. BRUCE CORDELL. Medical Virology. See Suppl. VI to 11th ed. Phys. & Biol. Vols.
- CASTORE, DR. GEORGE F. Psychology. See A-K Vol, 11th ed. Soc. & Behav. Vols. New position & address: Dir., 68-. In Service Center, Educational Area XV, 120 E. Third St., Ottumwa, Iowa 52501.
- CASTRO, DR. BARRY. Economics. See A-K Vol, 11th ed. Soc. & Behav. Vols. New position & address: Prof. & chmn., 70-, Social Science Group, Hostos College, 161st St. & Grand Concourse, Bronx, N.Y. 10451.
- CATALANO, DR. JOHN F., b. Brooklyn, N.Y., Sept. 15, 36; m. 59; c. 2. EXPERIMENTAL PSYCHOLOGY. B.A., N.Y. Univ., 57; M.A., Brooklyn Col., 60; Ph.D. (exp. psychol.), Yeshiva, 67. Human factors psychologist, Sperry Gyroscope Co., N.Y., 62-64; res. psychologist, Naval Training Device Center, 64-67; ASSOC. PROF. PSYCHOL., STATE UNIV. N.Y. COL. CORTLAND, 67-

The Mexican-American protest movement in Texas, Univ. Microfilms, 68. Address: 2706 24th Street, Lubbock, Tex. 79410.

CHANDLER, PROF. CLEVELAND ARVESTA, b. Aberdeen, Miss., Aug. 29, 29; m. 59; c. 3. ECONOMICS. A.B., Morehouse Col. 54; M.B.A., Atlanta, 55; Chicago, summers 56-58; Ph.D.(econ), Maryland, 69. Instr. econ. & acct. Bluefield State Col., 55-58; econ. & statist., MORGAN STATE COL., 58-61, asst. prof., 61-64, assoc. prof., 64-69, PROF. ECON. & BUS. ADMIN. & CHMN. DEPT., 69- Consult. Off. Econ. Opportunity, 64-65; Econ. Develop. Admin., U.S. Dept. Commerce, 65-67; Dept. Housing & Urban Develop., summer 69, Mem. Nat. Adv. Cmn. on Rural Poverty, 67-68; Equal Opportunity Cmn., 67-69; Center Study Democratic Insts. Ssg. C, U.S.A., 51-52. Econ. Asst. Statist. Asn. Urban & metropolitan problems, planning and programming; manpower development, training and planning; regional economics; economic development. Publ: The relative contribution of capital intensity and productivity to income and output in U.S. economy, J. Farm Econ, 5/52 & Increasing the supply of black economists, Am. Econ. Rev., 5/70. Address: Dept. of Economics & Business Administration, Morgan State College, Baltimore, Md. 21212.

CHANDLER, PROF. KENNETH A(SHTON). Psychology. See A-K Vol, 11th ed. Soc. & Behav. Vols. New position & address: Prof., 69-, Dept. of Psychology, Vassar College, Poughkeepsie, N.Y. 12601.

CHANELES, DR. SOL. Sociology. See A-K Vol, 11th ed. Soc. & Behav. Vols. New information: Mem. President's Task Force Prisoner Rehab; chmn. Cmt. Probation & Parole. Address: 333 West End Ave, New York, N.Y. 10023.

CHANG, DR. DAE HONG. Sociology. See A-K Vol, 11th ed. Soc. & Behav. Vols. New position & address: Chmn., 69-, Dept. of Sociology & Anthropology, Wisconsin State University, Whitewater, Wis. 53190.

CHANG, DR. EDWARD C(HANG) F(AN), b. Kwongtung, China, July 6, 36; m. 65. EDUCATIONAL PSYCHOLOGY & MEASUREMENT. B.A., Taiwan Norm. Univ., 60; M.A., Northeast Mo. State Col., 64; Ph.D.(ed. psychol), Okla-homa, 69. Teacher, Tsun Wan Lutheran Sch., 60-62; ASSOC. PROF. PSY-CHOL, ALBANY STATE COL., 67- Psychol. Asn. Test construction and validation, human abilities, cognitive processes. Address: 201 Magnolia Blvd, Apt. C2, Albany, Ga. 31705.

CHANG, DR. HSI CHIH, b. China, Mar. 21, 20; m. 51; c. 1. SOCIOLOGY. B.S., China Nat. S.W. Assoc. Univ., 44; M.S., Missouri, 65, Ph.D.(sociol), 68. Teacher, Kunning Norm. Univ. High Sch., 44-48; agr. exten. supvr., Joint Cmn. Rural Reconstruct, Taiwan, 51-62; ASST. PROF. SOCIOL, IOWA STATE, 68- Fel. Missouri, summer 69. Sociol. Asn.; Pop. Asn. Am.; Rural Sociol. Soc.; Gerontol. Soc. Educational and occupational aspiration and expectation; diffusion and adoption of information; structural and functional analysis of farm information development and dissemination. Publ: Co-auth. Comparative characteristics of special functionaries in the acceptance of agricultural innovation in two Missouri communities, 65 & Educational choice and expectations of male students entering a Mid-Western university, 67. Univ. Missouri Exp. Sta.; co-auth., Farm information for modernizing agriculture, Praeger, 70. Address: Dept. of Sociology and Anthropology, Iowa State University, Ames, Iowa 50010.

CHANG, DR. JOHN K(EY). Economics. See A-K Vol, 11th ed. Soc. & Behav. Vols. New position: Indust. economist, 70-, Asian Development Bank, Commercial Center, P.O. Box 126, Makati D-706, Rizal, Philippines.

CHANG, DR. KENNE H-K, b. Seoul, Korea, Mar. 24, 29; U.S. citizen; m. 55; c. 3. ANTHROPOLOGY. B.S., Colorado State, 55; M.A., San Francisco State Col., 60; Ph.D.(anthrop), Stanford, 68. ASST. PROF. ANTHROP, CALIFORNIA, DAVIS, 67. Ecologically oriented field research in both farming and fishing villages in Korea and Japan in conjunction with their structural change and continuity in the post World War II period. Address: Dept. of Anthropology, University of California, Davis, Calif. 95616.

CHANG, DR. LEO SOON, b. Seoul, Korea, Oct. 17, 35; m. 67; c. 1. POLITICAL SCIENCE. B.A., Catholic Univ., 59; M.A., Georgetown, 63, Ph.D.(polit. sci), 68. Lectr. POLIT. SCI., REGIS COL.(MASS), 63-64, instr., 64-66, ASST. PROF., 66- CHMN. DEPT., 64- Participant, Nat. Sci. Found. Summer Inst. Col. Teachers, Va. Polytech, 68. Polit. Sci. Asn. Political theory—normative; comparative political theory: East and West. Address: 14 Stockwell St, Boston, Mass. 02120.

CHANG, DR. MABEL LI. Economics, Sociology. See A-K Vol, 11th ed. Soc. & Behav. Vols. New position: Assoc. prof., Bronx Community Col., City Univ. N.Y., 69- Address: 501 W. 123rd St, Apt. 5C, New York, N.Y. 10027.

CHANG, DR. PARRIS HSU-CHENG, b. Taiwan, China, Dec. 30, 36; m. 63; c. 2. POLITICAL SCIENCE. B.A., Taiwan, 59; Fulbright scholar, Washington (Seattle), 61-62; M.A., 63; Pa. State, 63-64; Ph.D.(polit. sci), Columbia, 69. Res. polit. scientist, center Chinese studies, Michigan, 69-70; ASST. PROF. POLIT. SCI., PA. STATE, 70- Polit. Sci. Asn.; Asn. Asian Studies. Chinese politics; comparative politics, especially comparative communism and underdeveloped states; international relations. Publ: China's new phase, New Leader, 11/68; The cultural revolution and China's atomic scientists, Bull. Atomic Scientist, 5/69; The second decade of Maoist rule, Probs. Communism, 11-12/69. Address: Dept. of Political Science, Pennsylvania State University, University Park, Pa. 16802.

CHANG, DR. WINSTON W(EN-TSUEN), b. Taiwan, Aug. 1, 39; m. 66; c. 1. ECONOMICS. B.A., Taiwan, 62; M.A., Rochester, 66; Ph.D.(econ), 68. ASST. PROF. ECON. STATE UNIV. N.Y. BUFFALO, 67- Nat. Sci. Found. res. grant, 69-70. Chinese Marine Corps, 62-63, 2nd Lt. Econ. Asn.; Economet. Soc. Growth theory; international and mathematical economics. Publ: A model of induced invention and economic growth, Metroeconomica, 1/69; The theory of saving and the stability of growth equilibrium, Quart. J. Econ., 9/69; The role of saving in a growth model with induced invention, Rev. Econ. & Statist., 2/70. Address: Dept. of Economics, State University of New York at Buffalo, Buffalo, N.Y. 14226.

CHANG-YIT, DR. RUDOLPH HERBERT, b. Trinidad, W.Indies, June 18, 25; m. 62; c. 1. COMPARATIVE PSYCHOLOGY. B.A., Oklahoma, 60, M.S., 63; Ph.D.(psychol), South Dakota, 68. Res. asst. primate behav., Yerkes Labs. Primate Biol., 62-63; asst. prof. PSYCHOL, MOOREHEAD STATE COL., 66-69, ASSOC. PROF., 69- Animal behavior, especially primate behavior. Address: Dept. of Psychology, Moorehead State College, Moorehead, Minn. 56560.

CHAO, DR. JOSEPH T, b. Peiping, China, 25; U.S. citizen; m. 51; c. 4. ECONOMICS. B.A., Catholic Univ. Peiping, 47; fel. Southern Illinois, 56-58, M.S., 58; Ph.D.(econ. theory), N.Y. Univ., 67. Partner, Nan-Chang, Importers & Exporters, 48-50; instr. & dean studies, Thipei Commercial Col., Taiwan, 50-56; auditor, Howard Store Corp., 58-62; asst. prof. ECON, Denison, 62-67; ASSOC. PROF. WRIGHT STATE, 67- Asst. prof. finance, Inst. Pub. Admin. Taiwan, 52-53; econ. researcher, Bank of Taiwan, 53-55. Econ. Asn. Economic development in under-developed countries, especially in international trade policy and resources allocation; monetary policy and theory. Publ: Monetary theory (in Chinese), Ta-Tung, 53; Problems of Taiwan's export trade and economic development, Univ. Dayton Rev. 68. Address: Dept. of Economics, Wright State University, Dayton, Ohio 45431.

CHAPIN, DR. PAUL G(PSON). Linguistics. See 5th ed. Dir. Am. Scholars, Vol. III, For. Lang. Ling. & Philol.

CHAPLIN, DR. DAVID. Sociology. See A-K Vol, 11th ed. Soc. & Behav. Vols. New position: Assoc. prof., 69-, Dept. of Sociology, University of Wisconsin, Madison, Wis. 53706.

CHAPLIN, PROF. JAMES P(ATRICK). Psychology. See A-K Vol, 11th ed. Soc. & Behav. Vols. New position & address: Chmn., 70-, Dept. of Psychology, St. Michael's College, Winooski, Vt. 05404.

CHAPMAN, PROF. ALLEN F, b. Dawson, N.Mex. Apr. 14, 30; m. 53; c. 2. BUSINESS ADMINISTRATION. B.S., Colorado, 51; Hill & Knowlton Found., U.S. Steel Found. & Ford Found. felts, Harvard, 62-65, D.B.A.(busi), 65. Lectr. bus. admin., Colorado, 54-56; res. asst. bus. Harvard, 62-63; PROF. BUS. ADMIN. & DIR. CENTER ADV. MGT. STUD., ROTH SCH. BUS. C.W. POST CENTER, LONG ISLAND, 63- Consult. Dept. Health, Ed. & Welfare, 66-68. U.S.N., 51-54, 56-60, Lt.(sg). Corporate organizational theory: merger and acquisition activity; compensation policies; employment of the handicapped. Publ: Project management, Harbridge House, 56; Supply management, U.S. Navy Press, 59; Miscellaneous business case problems; Intercol. Case Clearing House, Harvard Bus. Sch., 61-68. Address: Roth School of Business, C.W. Post Center, Long Island University, Greenvale, N.Y. 11548.

CHAPMAN, DR. DAVID W, b. Portland, Ore., Mar. 17, 42; m. 64; c. 1. STATISTICS. B.S., Oregon, 64; M.S., Cornell, 66, Ph.D.(statist), 70. ASST. PROF. STATIST., DENVER, 69- Statist. Asn. Sampling theory. Address: Dept. of Statistics, College of Business Administration, University of Denver, Denver, Colo. 80210.

CHAPMAN, PROF. DWIGHT W(ESTLEY), JR. Psychology, Statistics. See A-K Vol, 11th ed. Soc. & Behav. Vols. New information: Emer. prof., 69-, Dept. of Psychology, Vassar College, Poughkeepsie, N.Y. 12603.

CHAPMAN, DR. PHILLIP CREIGHTON, b. Alameda, Calif., June 13, 33; m. 55; c. 3. POLITICAL SCIENCE & PHILOSOPHY. A.B., San Jose State Col., 57; M.A., California, Berkeley, 59, Woodrow Wilson grant, 61, D.D.(polit. sci), 65. Instr. polit. sci., Lawrence, 62-65; asst. prof. GOVT., ARIZONA, 65-70, ASSOC. PROF., 70- U.S.A., 53-54. Polit. Sci. Asn. Political theory. Publ: The new conservatism: cultural criticism vs. political philosophy, Polit. Sci. Quart., 3/60; Stress in political theory, Ethics, 10/69. Address: Dept. of Government, University of Arizona, Tucson, Ariz. 85721.

CHAPMAN, PROF. SAMUEL GREELEY, b. Atlanta, Ga., Sept. 29, 29; m. 49; c. 2. CRIMINOLOGY. A.B., California, Berkeley, 51, M.A., 59. Prof. police admin., Mich. State, 59-63; police chief, Portland, Ore., 63-65; asst. dir., President's Crime Cmn., U.S. Dept. Justice, Wash., D.C., 65-67; PROF. CRIMINOL., OKLAHOMA, 67- Consult., President's Cmn. Causes & Prev. Violence, 68-69. Asst. dir., President's Cmn. Law Enforcement & Admin. of Justice, 63-65. Sociological rational surrounding the problem of assaults on American police officers. Publ: Dogs in police work, Pub. Admin. Serv., 60; co-auth., The police heritage in England and America, Mich. State Univ., 62, rev. ed., 70; auth., Police patrol readings, C.C. Thomas, 64, rev. ed., 70. Address: Dept. of Criminology, University of Oklahoma, Norman, Okla. 73069.

CHAPMAN, DEAN W. FRED, JR., b. Belton, S.C., Apr. 13, 31; m. 55; c. 2. ECONOMICS. B.S., Clemson, 57, M.S., 58; Ph.D.(econ), Florida, 63. Economist, Clemson, 57-59; U.S. Dept. Agr., 59-64; prof. econ., Presby. Col., 64-65; assoc. prof., Clemson, 65-66; head econ. & bus. admin. dept., PRESBY. COL.(S.C.), 66-69, DEAN, 69- Consult. mkt. econ. div., U.S. Dept. Agr., 63-64; dept. agr. econ., Clemson Univ., 64-66; C.W. Anderson Col., 67- U.S.A.R., 51-53, Capt. Econ. Asn.; Statist. Asn. Investigations concerning the characteristics of demand for goods; market structure. Publ: Articles in U.S. Dept. Agr. Mkt. Res. Reports, Fla. Agr. Exp. Sta. Bull. & S.C. Agr. Exp. Sta. Bull. Address: Huntington Rd., Clinton, S.C. 29325.

CHAPPELLE, DR. DANIEL E(UGENE). Forest Economics. See A-K Vol, 11th ed. Soc. & Behav. Vols. New position & address: Assoc. prof., 68- Dept. of Resource Development, Natural Resources Bldg., Michigan State University, East Lansing, Mich. 48823.

CHARLES, DR. JOHN PETERSON. Experimental Psychology. See A-K Vol, 11th ed. Soc. & Behav. Vols. New position & address: Tech. staff, 69-, Logicon Inc., 1075 Camino Del Rio S., San Diego, Calif. 92110.

CHARLTON, DR. HARVEY JOHNSON. Mathematics. See Suppl. VI to 11th ed. Phys. & Biol. Vols.

CHARMATZ, PROF. JAN PAUL. Law. See 5th ed. Dir. Am. Scholars, Vol. IV, Philos. Relig. & Law.

- CHARNER, HILLIARD D(ANIEL). Economic Statistics. See A-K Vol, 11th ed, Soc. & Behav. Vols. New position: Owner, H.D. Charnier Associates, E. Loral Park, 70. Address: 61-06 255th St, Little Neck, N.Y. 11362.
- CHARTENER, DR. WILLIAM H(USTON). Economics. See A-K Vol, 11th ed, Soc. & Behav. Vols. New position: V-pres. & economist, Goldman, Sachs & Co, New York, 69. Address: 4 North Court, Port Washington, N.Y. 11050.
- CHASE, ARNOLD ERVIN. Agricultural Economics, Sociology. See A-K Vol, 11th ed, Soc. & Behav. Vols. New information: Retired, 69. Address: 3245 Rio Dr, Apt. 904, Falls Church, Va. 22041.
- CHASE, DR. ELWYN F. JR., b. Philip, W.Va, Aug. 13, 26. POLITICAL SCIENCE, INTERNATIONAL POLITICS. A.B. Pennsylvania, 49; M.A. Hopkins, 50; Ph.D.(polit. sci.), Bryn Mawr Col, 69. For. serv. officer, U.S. Dept. State, 50-62; lectr. polit. sci., Immaculata Col, 64-69; ASST. PROF. POLITICAL SCI. JOSEPH'S COL(PA), 69. U.S.N. 44-46. Polit. Sci. Assn. Int. Studies Assn. International politics and political theory: international theoretical implications of Italo-Austrian controversy over the South Tyrol. Address: 27 W. Clearfield Rd, Havertown, Pa. 19083.
- CHASE, PROF. EUGENE P(ARKER). Political Science. See A-K Vol, 11th ed, Soc. & Behav. Vols. Change of address: East St, Hebron, Conn. 06248.
- CHASE, PROF. HARRISON (VERNON). Geography. See A-K Vol, 11th ed, Soc. & Behav. Vols. New information: Chmn. interdisc. prog. soc. sci., 69. Florida State University, Tallahassee, Fla. 32306.
- CHASE, DR. PHILIP HOWE. Clinical Psychology. See A-K Vol, 11th ed, Soc. & Behav. Vols. New position & address: Dir. admin. serv., 68. Professional Products Group Warner-Lambert Pharmaceutical Co, 201 Tabor Rd, Morris Plains, N.J. 07950.
- CHASON, MAJ. LLOYD R. U.S.A.F., b. Rocky Mount, N.C., Oct. 14, 34; m. 57; c. 2. EXPERIMENTAL PSYCHOLOGY. B.S., East Carolina, 57; M.A., Baylor, 62, Ph.D.(exp. psychol.), 68. U.S. AIR FORCE, 57-. Instr. flying training, Air Training Command, 58-61, air officer commanding mil. training, U.S. AIR FORCE ACAD, 62-65, INSTR. EXP. PSYCHOL. DIR. BASIC RES. & DIR. PERCEPTION LAB, 69. Psychol. Assn. Psychophysiology; perception; microwave radiation and related behavioral phenomena; military psychology. Publ. Co-auth. A bidirectional gradient of generalized conditioned response based on a visual-spatial dimension in chimpanzees, 6571st Aeromed. Lab, 7/63 & Student officer attitudes toward the Air Force, Defense Document, Center, 12/66; auth. The effect of microwave radiation on endocrine organs in the rat, Dissertation Abstracts, 3/69. Address: Dept. of Psychology & Leadership, U.S. Air Force Academy, Colo. 80840.
- CHATAGNIER, PROF. LOUIS JOSEPH. Applied Linguistics. See 5th ed, Dir. Am. Scholars, Vol. III, For. Lang. Ling. & Philol.
- CHATTERJEE, PROF. SAMPRIT. Statistics, Operations Research. See A-K Vol, 11th ed, Soc. & Behav. Vols. New position: Assoc. prof. stat., 69. Quantitative Analysis, New York University, 69 Trinity Place, New York, N.Y. 10006.
- CHAU, DR. PHAN THIEN. International Studies. See A-K Vol, 11th ed, Soc. & Behav. Vols. New position & address: Asst. prof., 68-. Dept. of Political Science, Rider College, Trenton, N.J. 08602.
- CHAU, PROF. YAU PIK. Economics, Business Administration. See A-K Vol, 11th ed, Soc. & Behav. Vols. New position & address: Prof., 68-. Dept. of Economics, Mansfield State College, Mansfield, Pa. 16933.
- CHEATHAM, DR. MARGARET J(OSEPHINE). Clinical Psychology. See A-K Vol, 11th ed, Soc. & Behav. Vols. New information: Cert. Moreno Acad, 69. Address: Prairie View Hospital, Box 467, Newton, Kans. 67114.
- CHEEK, DR. NEIL HAMILTON, JR., b. Atlanta, Ga, Dec. 22, 33; m. 55; c. 3. SOCIOLOGY. B.A., Minnesota, 59; Nat. Defense Ed. Act fel, Washington (St. Louis), 59-62, Woodrow Wilson fel, 62-63, A.M. 66, Ph.D.(sociol.), 67. Asst. prof. orgn. behav. Cornell, 63-67; sr. analyst, U.S. Dept. Health, Ed. & Welfare, 67-68. RES. SOCIOLOGIST, U.S. DEPT. INTERIOR, 68. Res. consult. Nat. Inst. Ment. Health, 64; Int. Bus. Mach. Corp, 64-65; Hilton Hotel Corp, 65-66; sch. hotel admin. Cornell, 65-67; U.S. Dept. Health, Ed. & Welfare, 67. U.S.A.F. 52-57, S/Sgt. Soc. Assn; Animal Behav. Soc; Rural Sociol. Soc. Social organization across species; social organization of leisure. Publ. Co-auth. A new look at management development, Trans. 66; auth. The social organization of professional life. The professional in the organization, Rand McNally, 67 & Patterns of integration of psychiatric services, In: Organizational innovation: studies of planned change in the hospital, Praeger, 70. Address: Office of Natural Science Studies, U.S. Park Service, Dept. of Interior, Washington, D.C. 20240.
- CHEKKI, DR. DAN A., b. Haveri, Mysore State, India, June 5, 35; m. 66; c. 1. SOCIOLOGY, ANTHROPOLOGY. B.A., Karnatak Univ, India, 56, Ph.D.(sociol.), 66; M.A., Bombay, 58, LL.B., 59, Dipl. Lib. 60. Lectr. sociol. govt. law col, Univ. Bombay, 58-61; Karnatak Univ, India, 61-67, reader, 67-. ASST. PROF. SOCIOLOGY, WINNIPEG, 68-. Am. Sociol. Assn. Soc. Sociol. & Anthropol. Assn. Indian Sociol. Soc. Marriage and the family; social change, psychology, problems and policy; community development; social theories. Publ. Preferential kin marriage in India, J. Asian & African Studies, 7-10/68; Social legislation and kinship in India, J. Marriage & Family, 2/69; Modernization and social change: the family and kin network in urban India, In: The family in India: sociological perspectives, Winnipeg 2, Man, Can. dress: Dept. of Sociology, University of Winnipeg, Winnipeg 2, Man, Can.
- CHEMERS, DR. MARTIN M., b. Chicago, Ill., Mar. 5, 43; m. 64. SOCIAL PSYCHOLOGY. B.S., Illinois, 64, M.A. 66, Ph.D.(psychol.), 68. Res. assoc. PSYCHOLOGY, 67-68; ASST. PROF., Delaware, 68-70; UTAH, 70. Res. consult, Vet. Admin. Hosp, 69. Psychol. Assn; Soc. Psychol. Study Social
- Issues. Leadership; group dynamics; cross-cultural interaction; social learning. Publ. Co-auth. Some effects of cultural training on heterocultural task groups, 1: 257-270 & co-auth. The significance of role behavior differentiation for cross-cultural interaction training, 2: 45-58, Int. J. Psychol; auth. Cross-cultural training as a means for improving situational favorableness, Human Rel., 22: 6. Address: Dept. of Psychology, University of Utah, Salt Lake City, Utah 84112.
- CHEN, DR. FU TUNG, b. Fukien, China, Mar. 23, 31; U.S. citizen; m. 66; c. 1. BUSINESS ADMINISTRATION, ECONOMICS. B.B.A., New Asia Col, Chinese Univ, Hong Kong, 53; M.B.A., Indiana, 61; Ph.D.(bus. admin), Alabama, 69. Ed. Union Press, 53-57, chief acct, Union Press Org., 57-59; staff acct, St. Regis Paper Co, 61-63; instr. ACCT, SOUTH ALABAMA, 65-67, ASST. PROF., 67-. Am. Act. Assn. National budgeting in Communist China, 1949-1966; the operation of and special functions assigned to the budgetary system and its effects on the controlled economy in Communist China. Address: 328 Vanderbilt Dr, Mobile, Ala. 36608.
- CHEN, DR. I-NGO, b. Canton, China, July 13, 34; m. 68; c. 1. COMPUTER SCIENCE. B.Sc., Taiwan, 56; M.Sc., Chiao Tung Univ, 63; Nat. Res. Coun. Can. grant & Ph.D.(comput. sci.), Ottawa, 69. ASST. PROF. COMPUT. SCI. ALBERTA, 68-. Inst. Elec. & Electronics Eng. Automata theory; learning machines; modeling of human behavior. Publ. Experiments on machine learning, Comput. Soc. Am., 6/69; The effect of machine learning on indefinite stochastic automata, SIAM J. of Control, 2/70. Address: Dept. of Computer Science, University of Alberta, Edmonton, Alta, Can.
- CHEN, DR. NAI-RUENN. Economics, Applied Statistics. See A-K Vol, 11th ed, Soc. & Behav. Vols. New position: Assoc. prof., 69-. Dept. of Economics, Cornell University, Ithaca, N.Y. 14850.
- CHEN, PROF. SAMUEL C. Economics. See A-K Vol, 11th ed, Soc. & Behav. Vols. New information: Also Chmn., 68-. Dept. of Economics, Bemidji State College, Bemidji, Minn. 56601.
- CHEN, DR. SHIUM ANDREW, b. Kiangsu, China, Sept. 17, 31; U.S. citizen; m. 64; c. 1. PSYCHOLOGY. B.S., Taiwan Norm. Univ. 53; M.Ed., Oregon, 56; M.A., Columbia, 61; Ph.D.(higher ed. psychol.), Pittsburgh, 70. Lectr. PSYCHOL., Hofstra, 61-62; asst. br. appl. soc. res., Columbia, 62-63; asst. prof., Kans. State Teachers Col, 63-66; ASSOC. PROF., SLIPPERY ROCK STATE COL, 66. Psychol. Assn; Nat. Coun. Measurement in Ed. Measurements of human learning and personality with emphasis on perception, attitude and cognitive style. Address: 438 Vista Dr, Butler, Pa. 16001.
- CHENAULT, PROF. LAWRENCE R(OYCE). Economics. See A-K Vol, 11th ed, Soc. & Behav. Vols. New information: Part time lectr. & independent researcher. Address: Westgate Apartments, 801 Gate Lane, Apt. 809, Knoxville, Tenn. 37919.
- CHENEY, DR. JOHN HOWARD, b. Oak Park, Ill, June 9, 40; div. SOCIAL PSYCHOLOGY. B.A., Occidental Col, 62; M.A., Calif. State Col. Los Angeles, 64; Nat. Inst. Ment. Health fel, 65-67, Ph.D.(orgn. training psychol.), 69. Vet. Admin. trainee, Vet. Admin. Hosp, 67-69; ASST. PROF. SOC. & PERSONALITY PSYCHOLOGY, UPSALA COL, 69. Eval. res. fel. Nat. Inst. Appl. Behav. Sci., Nat. Training Labs, summer 69; consult. East Orange Model Cities, 70. Psychol. Assn. Personality psychology; social interaction; personality; game theory; creativity. Publ. Co-auth. Visual versus locomotor response effects on satiation to novel stimuli: a sex difference in rats, 16: 893-896 & The effects of proliferating punitive power upon cooperation and competition in the triad, 4/69, Psychol. Reports; co-auth. The effects upon the bargaining process of positive and negative communication options, J. Personality & Soc. Psychol. (in press). Address: Dept. of Psychology, Upsala College, 345 Prospect St, East Orange, N.J. 07018.
- CHENEY, DR. TRUMAN MCGIFFIN. Guidance, Counseling, Psychology. See A-K Vol, 11th ed, Soc. & Behav. Vols. New position: Counseling clin. psychologist, 69-. Veterans Administration Hospital, Ft. McKenzie, Sheridan, Wyo. 82801.
- CHENG, DR. CHU-YUAN. Economics. See A-K Vol, 11th ed, Soc. & Behav. Vols. New position & address: Assoc. prof., 70-. Dept. of Economics, Lawrence University, Appleton, Wis. 54911.
- CHENG, DR. MEI FANG, b. Taiwan, Nov. 24, 38; m. 63; c. 3. ANIMAL BEHAVIOR. B.S., Fanning, 58; Fulbright scholar, Oregon & Bryn Mawr Col, 59-63; M.A., Oregon, 61; Ph.D.(psychol.), Bryn Mawr Col, 63. Res. assoc. neuro. psychol., Dept. Psychol., Pennsylvania, 65-68; ASST. RES. PROF. NEURO-ENDOCRINOL. & PHYSIOL. PSYCHOL. INST. ANIMAL BEHAV. RUTGERS, 69. Mem. Int. Conf. Regulation of Food & Water Intake, 67. Psychol. Assn; Animal Behav. Soc. Hormonal and neural mechanisms of reproductive behaviors; behavioral analysis of the recovery of functional loss after brain damage; ontogeny of instinctive behaviors. Publ. Tactile-kinesthetic perception of length, Am. J. Psychol., 68; Development of feeding parallels its recovery after hypothalamic damage, J. Comp. & Physiol. Psychol., 69 & Stages of recovery and development of lateral hypothalamic control of food and water intake, Ann. N.Y. Acad. Sci., 70. Address: Institute of Animal Behavior, Rutgers, The State University, 101 Warren St, Newark, N.J. 07102.
- CHENG, DR. RONALD YE-LIN, b. Shanghai, China, May 27, 33; m. 63; c. 1. SOCIOLOGY. B.Sc., London, 60; M.A., Hong Kong, 63; Ph.D.(sociol.), California, Berkeley, 69. ASST. PROF. SOCIOLOGY, HAWAII, 69. Sociol. Assn; Asn. Asian Studies. Social transformation of society in comparative-historical perspective; formulation of systematic theory of value-oriented political revolution. Address: Dept. of Sociology, University of Hawaii, Honolulu, Hawaii 96822.
- CHERNICK, DR. SIDNEY EARL. Economics. See A-K Vol, 11th ed, Soc. & Behav. Vols. New position & address: Economist, 69-. International Institute for Reconstruction & Development, 1815 H St. N.W., Washington, D.C. 20433.

- CHERNOW, DR. HYMAN MANASSEH. Clinical Psychology. See A-K Vol, 11th ed, Soc. & Behav. Vols. New position: Assoc. supvr. Postgrad. Center Ment. Health, 68- Address: 12 W. 96th St. New York, N.Y. 10025.
- CHERRINGTON, DR. BEN MARK. International Relations. See A-K Vol, 11th ed, Soc. & Behav. Vols. New information: Independent consult, 69- Address: 631 Vine St, Denver, Colo. 80206.
- CHERRY, DR. FRANK T (ALLEY). Sociology. See A-K Vol, 11th ed, Soc. & Behav. Vols. New position: Prof. sociol. State Univ. N.Y. Col. Buffalo, 68- Address: 8 Gall Ave, Buffalo, N.Y. 14215.
- CHESKY, EDWARD J (JOSEPH). Economics, International Affairs. See A-K Vol, 11th ed, Soc. & Behav. Vols. New position: Adv. Off. U.S. Rep. to UN Indust. Develop. Organ, 69- Address: American Embassy, Vienna, Austria.
- CHEW (HARRY) RICHARD. Political Science. See A-K Vol, 11th ed, Soc. & Behav. Vols. Change of address: 1610 N. Greenbrier St, Arlington, Va. 22205.
- CHIAO, DR. CHIEN, b. Taiyuan, Shansi, China, Mar. 19, 34; m. 66; c. 1. ANTHROPOLOGY. B.A., Taiwan, 58, M.A., 61; Ph.D. (anthrop.) Cornell, 69. Lectr. ANTHROP. INDIANA, BLOOMINGTON, 66-69, ASST. PROF., 69- Vis. lectr., Summer Asian Inst., Hofstra, 67. Fel. Anthropol. Assn.; Asn. Asian Studies. Cultural anthropology; culture transmission and change; complex societies; East Asia, especially China; North America, particularly the Navajo. Publ.: Co-auth. A first course in Literary Chinese (3 vols.), Cornell, 68; auth. Report on flexed burials of Formosan Aborigines, Bull. Dept. Archael., Anthropol. Taiwan Univ., 60 & Shuo Tzu Shih, Continent J., 60. Address: Dept. of Anthropology, Indiana University, Bloomington, Ind. 47401.
- CHIAZZE, DR. LEONARD, JR. Biostatistics, Epidemiology. See A-K Vol, 11th ed, Soc. & Behav. Vols. New information: Dept. of Community, Behav. & Int. Health, 68- & dir. cerebrovasc. disease follow-up & surveillance syst., 68-71, Georgetown University School of Medicine, 3900 Reservoir Rd, Washington, D.C. 20007.
- CHIH, DR. YU-JU. Chinese Language, Political Science. See 5th ed, Dir. Am. Scholars, Vol. III, For. Lang. Ling. & Philol.
- CHILCOTE, DR. RONALD HODELL. Political Science. See A-K Vol, 11th ed, Soc. & Behav. Vols. New position: Assoc. prof., 69- Dept. of Political Science, University of California, Riverside, Calif. 92502.
- CHILD, PROF. ARTHUR (HENRY). Philosophy. See 5th ed, Dir. Am. Scholars, Vol. IV, Philos. Relig. & Law.
- CHILDERS, DR. PERRY R, b. Monticello, Ky. July 17, 32; m. 57; c. 3. PSYCHOLOGY, EDUCATION. B.A., Kentucky, 58; M.A., Georgia, 61, Ed.D. (ed. psychol.), 63. Coach & teacher, pub. schs. in Ky., 58-59; dir. guid. serv. Mo., 59-61; asst. prof. counseling psychol., Kentucky, 63-65; counseling psychologist, Rohrer, Hilber & Replige, 65-66; ASSOC. PROF. psychol., Jacksonville, 66; counseling psychol., Florida, 66-67; psychol., Eastern Kentucky, 67-68, ED. PSYCHOL., WISCONSIN-MILWAUKEE, 68- Consult, Stockholm Valve & Fittings, Ala., 65-66; Lang. Eng. Co., Ga., 65-67; Assoc. Psychol. Serv. D.C., 67-; Nicolet High Sch., Glendale, Wis., 69-; Fox Point-Bayside Pub. Schs., Milwaukee, 70- U.S.A., 50-52. Psychol. Asn., Ed. Res. Asn. Learning; test development; behavior change; social and group dynamics; psychotherapy; personal evaluation. Publ.: Concurrent validity of Peabody picture vocabulary test, J. Ed. Res., 5/67; Effect of detailed guidance on freshman English composition, summer 70 & Listening ability in a modifiable skill, fall 70, J. Exp. Ed. Address: 4136 Morris Blvd, Milwaukee, Wis. 53211.
- CHILDS, DR. GERALD LEE, b. Brooklyn, N.Y., Feb. 21, 38; m. 61; c. 3. ECONOMIC. B.B.A., City Univ. New York, 59; Ford Found. fel. Mass. Inst. Tech., 61, Ph.D. (econ.), 63. Staff economist, Center Naval Anal., 62-64; asst. prof. ECON., Dartmouth Col., 64-68, ASSOC. PROF. 68-69, RUTGERS, 69- Brookings fel., Brookings Inst., 66-67. Econ. Asn.; Economet. Soc. Microeconomic theory; applied econometrics. Publ.: Unfilled orders and inventories, North-Holland, 67; co-auth. Fast second and rivalry in research and development, South. Econ. J., 7/69; auth. Efficient reallocation of land in urban renewal, West. Econ. J., 9/69. Address: Dept. of Economics, Rutgers, The State University, New Brunswick, N.J. 08903.
- CHINETTI, DR. PETER J, b. Torrington, Conn., Jan. 19, 30; m. 55; c. 3. PSYCHOLOGY. A.B., Brown, 51, Sc.M., 53; Ph.D. (psychol.), Wisconsin, 57. Res. psychologist, aero med. lab, Wright Patterson Air Force Base, Ohio, 58-59; personnel psychologist, Oscar Mayer & Co., Wis., 58-63; registrar & dir. admissions, Univ.-Milwaukee, 63-68; CONSULT. BEHAV. SCI. FRY CONSULT, INC., 68- Lectr., exten. div., dept. commerce, Wisconsin-Milwaukee, 66-68; inst. indus. rels., Loyola (Ill.), 69-70. Psychol. Asn. Perception; organizational behavior. Address: Fry Consultants, Inc., 10 S. Riverside Plaza, Suite 1200, Chicago, Ill. 60606.
- CHINN, DR. RALPH McCALLEY. Experimental Psychology. See A-K Vol, 11th ed, Soc. & Behav. Vols. Change of address: Route 1, Hearn Rd, Ellenwood, Ga. 30049.
- CHINSKY, DR. JACK M, b. Newark, N.J., Mar. 2, 43; m. 66. CLINICAL PSYCHOLOGY. B.A., Rutgers, 64; Ph.D. (psychol.), Rochester, 69. ASST. PROF. CLIN. PSYCHOL., CONNECTICUT, 68- Cattell Fund award, 69; summer res. fel., Connecticut, 69. Psychol. Asn. Community psychology; use of nonprofessionals in mental health; behavioral assessment. Publ.: Co-auth. Attitude change in college students and chronic patients: a dual perspective, 70 & Behavior ratings of chronic hospitalized patients: cross-situational and cross-rater agreement, 70, J. Consult. & Clin. Psychol. & Brief critique of the meaning of a reliability of accurate empathy ratings, Psychol. Bull., 70. Address: Dept. of Psychology, University of Connecticut, Storrs, Conn. 06268.
- CHIPMAN, ROBERT DAVES. Engineering, Management. See 12th ed, Phys. & Biol. Vols.
- CHO, DR. CHANG H, b. I-Yang, Korea, Oct. 9, 35; m. 69. POLITICAL SCIENCE, PUBLIC ADMINISTRATION. B.A., Yonsei, 58; M.A., American Univ., 63; D.P.A., George Washington, 68. Teaching fel. pub. admin. George Washington, 66-68; ASSOC. PROF. POLIT. SCI., PEMBEROKE STATE, 68- Consult, Res. Anal. Corp., 68-69. Polit. Sci. Asn.; Soc. Pub. Admin. Administrative theory; organization behavior; comparative administration; bureaucracy; politics of modernization. Publ.: Foreign policy of the Republic of Korea, Pembroke State Univ., 70. Address: Route 2, Box 17, Pembroke, N.C. 28372.
- CHO, DR. JAE H, b. Chunnam, Korea, Mar. 15, 30; m. 58; c. 3. ECONOMICS. A.B., Lafayette Col., 58; M.A., Indiana, 60, Ph.D. (econ), 64, ASSOC. PROF. econ., Wis. State, Platteville, 62-65; FINANCE & BUS. ECON., NOTRE DAME, 65- Econ. Asn.; Agr. Econ. Asn. International trade and investment. Publ.: Modernization effect upon export of agricultural produce, Am. J. Agr. Econ., 2/70. Address: Dept. of Finance & Business Economics, University of Notre Dame, Notre Dame, Ind. 46556.
- CHO, DR. SUNG TAI, b. Seoul, Korea, July 13, 36; m. 66; c. 2. SOCIOLOGY. B.A., California, Berkeley, 60; M.S., Mich. State, 64; Ohio Res. Found. grant, Ohio State, 65-66, Ph.D. (sociol.), 67. Res. sociol., Ohio State, 62-65; instr., TOLEDO, 66-67, ASST. PROF., 67- Res. asst. psychol., Columbus Psychiat. Inst. & Hosp., Ohio, 63. Sociol. Asn.; Law & Society Asn. Criminology and victimology; deviance; sociology of law; symbolic interactionism; experimental design. Address: Dept. of Sociology & Anthropology College of Arts & Sciences, University of Toledo, Toledo, Ohio 43606.
- CHO, DR. YONG HYO. Political Science. See A-K Vol, 11th ed, Soc. & Behav. Vols. New position: Assoc. prof. urban studies & polit. sci., Akron, 69- Address: Center for Urban Studies, University of Akron, Akron, Ohio 44304.
- CHO, DR. YONG SAM. Economics. See 11th ed, Soc. & Behav. Vols., deceased 69.
- CHOATE, DR. W. CLAY. Electrical & Chemical Engineering. See Suppl. VI to 11th ed, Phys. & Biol. Vols.
- CHOI, DR. KYOU EUN, b. Wonju, Korea, Oct. 31, 31; m. 67; c. 2. ECONOMIC OPERATIONS RESEARCH. B.A., Korea Univ., 49; M. Sc., Florida, 61, Ph.D. (econ, statist), 64; Columbia, 68-70. Asst. prof. ECON. La. State, New Orleans, 64-67; ASSOC. PROF., BRIDGEPORT, 67-; DIR. QUANT. ANAL., 68- Consult. Am. Res. Coun. Inc., Rye, N.Y., 67-69. Korean Army, 56, Capt. Econ. Asn.; Opera. Res. Soc. Asn.; Statist. Asn.; Economet. Soc.; Finance Asn. Application of operations research techniques and econometrics to economic forecasting and planning. Publ.: Seasonal variations in Louisiana employment & Trends in Louisiana employment, Div. Econ. Res., La. State Univ., 67. Address: 5 Camelot Dr., Trumbull, Conn. 06611.
- CHOI, DR. NUNG WON. Epidemiology, Oncology. See Suppl. V to 11th ed, Phys. & Biol. Vols.
- CHOPRA, DR. DHARAM-VIR. Statistics, Mathematics. See Suppl. VI to 11th ed, Phys. & Biol. Vols.
- CHORNESS, DR. MAURY H, b. Lynn, Mass., Apr. 6, 19; m. 53; c. 4. EDUCATIONAL PSYCHOLOGY, PSYCHOLOGY. B.S., Boston, 47; M.A., California, Berkeley, 50; Ph.D. (ed. psychol.), Texas, Austin, 59. Res. psychologist, U.S. Air Force, 51-55, ed. specialist, training develop. & res., 56-59; SR. RES. ENG., N.A.M. ROCKWELL CORP., 60- Eng. psychol. specialist, Lockheed Space Syst. Div., 61-63; as. res. psychologist, Stanford Res. Inst., 64- U.S.A.F., 41-46, Maj. Psychol. Asn. Human performance measurement and effectiveness in large-scale systems; creativity and problem-solving operations analysis; educational research. Publ.: Co-auth. Decision processes and information needs in education, 69 & Feasibility of establishing highway safety manpower development centers at university level institutions, 69, Stanford Res. Inst.; auth. Increasing creativity in problem-solving groups, J. Commun., 8: 16-23. Address: 461 Traverso Ave, Los Altos, Calif. 94022.
- CHOU, PROF. SHUN-HSIN. Economics. See A-K Vol, 11th ed, Soc. & Behav. Vols. New information: Also acting chmn., 70-, Dept. of Economics, University of Pittsburgh, Pittsburgh, Pa. 15213.
- CHOU, DR. VICTOR. Economics. See A-K Vol, 11th ed, Soc. & Behav. Vols. New position & address: Lectr., 69-, School of Business Administration, University of Wisconsin, Milwaukee, Wis. 53201.
- CHOVAN, DR. WILLIAM L, b. Massillon, Ohio, July 25, 28; m. 54; c. 1. EDUCATIONAL PSYCHOLOGY. B.S., Ohio, 53; M.S., Akron, 57; univ. grant, Western Reserve, 60, Cuyahoga Asn. Retarded Children & Adults grant, 65-66, Ph.D. (ed. psychol.), Case Western Reserve, 69. Teacher & supvr. testing, remedial & testing prog., North Industry, Ohio, 53-55; sch. psychologist, Cleveland Bd. Ed., 57-61; Cuyahoga County Bd. Ed., 61-64, chief sch. psychologist, 64-67; lectr., sch. psychol. prog., Case Western Reserve, 66-68; ASSOC. PROF. PSYCHOL., WESTERN CAROLINA, 69- U.S. Off. Ed. consult, Stanford Res. Inst., 69-70. U.S.N., 46-48. AAAS; Psychol. Asn.; Int. Soc. Study Symbols. Language and learning disabilities; psychodiagnostic evaluations and individual counseling; school and educational psychology; psycholinguistic research and cognitive functioning. Publ.: Toward an identity for school psychologists, Am. Psychologist, 67; Some questions and imperatives concerning the territories of the school psychologist, 68 & co-auth. The performance of two culturally divergent groups of children on a culture free test, 70, J. Sch. Psychol. Address: Dept. of Psychology, Western Carolina University, Cullowhee, N.C. 28723.
- CHRISTAKIS, DR. ALEXANDER, b. Athens, Greece, Sept. 19, 37; m. 81; c. 3. SYSTEMS ANALYSIS. A.B., Princeton, 59; M.S., Yale, 61, Ph.D. (physics), 64. Res. assoc. physics, Yale, 64-65; consult, Doxidias Associates, Ltd., 65-67, DIR. RES. DOXIDIAS-SYST. DEVELOP. CORP., 67- Greek Army, 65-67. Phys. Soc. Asn.; Am. Comput. Mach. Economet. Soc. Application of systems methodology to urban problems; analysis of economic and demographic data at the national scale. Publ.: Co-auth. Social indicators in

- perspective, Syst. Develop. Corp. 7/69 & Systems approach to public policy estimation, Socio-econ. Planning Sci. J. 10/69. Address: 3900 Huntington St. N.W. Washington, D.C. 20015.
- CHRISTENSEN, PROF. EDWARD L. b. Centerfield, Utah, Oct. 19, 13; m. 38; c. 3. COMMUNICATIONS, BUSINESS MANAGEMENT. B.S. Utah, 38, M.S., 39, Ph.D. (ed. admin.), 53; Stanford, 47, 49. Instr. bus, Dixie Col., 41-42; treas. ext. div. Utah, 42-43; Center, 47-53; instr. bus. & econ, Weber State Col., 47-53; PROF. BUS. BRIGHAM YOUNG, 53-. Res. assoc. Pa. State, 59-60, 65-66, lectr. 68-69; summer, vis. prof., Ford Found. Case Conf., Harvard Grad. Sch. Bus. 62. Finance C. U.S.A., 43-46, S/Stg. Quantified analysis of differentiated vocabularies. Publ: Co-auth. Correspondence Education in the United States, In: Carnegie education series, McGraw, 68, Reading in the world independent study, Pa. State Univ., 70 & Challenge and change in education for business, Ed. Record, 1/63. Address: 490 East 1070 South, Orem, Utah 84057.
- CHRISTENSEN, DR. HOWARD ANTHONY. Medical Entomology & Parasitology. See Suppl. V to 11th ed, Phys. & Biol. Vols.
- CHRISTENSEN, DR. LAURITS RAY, b. Manitowish, Wis., Jan. 31, 41; m. 67. ECONOMICS. B.A. Cornell, 64; M.A., California, Berkeley, 66, Ph.D. (econ), 68. ASST. PROF. ECON. WISCONSIN, MADISON, 67. Economist Soc. Econ. Asn. Econometrics; economic theory; international economics. Publ: Co-auth. The measurement of U.S. real capital input, 1929-1967, 12/69 & U.S. real product and real factor input, 1929-1967, 3/70, Rev. Income & Wealth; auth. Tax policy and investment expenditures in a model of general equilibrium, Am. Econ. Rev. 5/70. Address: Dept. of Economics, University of Wisconsin, Madison, Wis. 53706.
- CHRISTENSEN, ROBERT LAWRENCE. Economics. See A-K Vol, 11th ed, Soc. & Behav. Vols. New position: Assoc. prof. agr. & food econ, Massachusetts, Amherst, 68-. Address: North Main St., Sunderland, Mass. 01375.
- CHRISTENSON, PROF. DONALD (D.E.E.). Marketing, Business Management. See A-K Vol, 11th ed, Soc. & Behav. Vols. New position: Assoc. dean & dir. grad. progs. 69-. College of Business Administration, Wichita State University, Wichita, Kans. 67208.
- CHRISTENSON, DR. RONALD (SIDNEY). Political Science. See A-K Vol, 11th ed, Soc. & Behav. Vols. New position & address: Assoc. prof. & chmn. 69-. Dept. of Political Science, Gustavus Adolphus College, St. Peter, Minn. 56082.
- CHRISTIAN, DR. CHESTER C. JR. Spanish, Sociology. See 5th ed, Dir. Am. Scholars, Vol. III, For. Lang. & Philol.
- CHRISTIANSEN, DR. RUDOLPH A. b. Wittenberg, Wis., Oct. 2, 10, m. 37; c. 1. AGRICULTURAL ECONOMICS. B.S. Wisconsin State, River Falls, 33; M.S., Wisconsin, Madison, 54, Ph.D. (farm mgt. agr. econ), 56. Farm mgt. specialist, Wis. Emergency Relief Admin., Resettlement Admin., Farm Security, Admin. Fed. Housing Admin., 34-51; AGR. ECONOMIST, farm prod. econ. div. ECON. RES. SERV., U.S. DEPT. AGR., 57-66, NATURAL RESOURCE ECON. DIV. 66-68. U.S.N.R. 42-46, Lt. (jg). Agr. Econ. Soil Conserv. Soc. Am. Economics of conservation; agricultural credit; recreation resources. Publ: Co-auth. Potential crop and livestock production and net farm income on dominant soils in northwest Wisconsin, 5/60, Bank credit for agriculture in Wisconsin, 6/62 & Economic aspects of privately owned fishing enterprises in Wisconsin, 6/69, Univ. Wis. Address: University of Wisconsin, 4601 Hammersley Rd., Madison, Wis. 53711.
- CHRISTIANSEN, PROF. TED, b. Chicago, Ill., Sept. 6, 22; m. 51; c. 1. PSYCHOLOGY, SPECIAL EDUCATION. B.S., Mexico, 51, M.A., 59; State of N.Mex. fel. Utah State, 64-66, Ph.D. (psychol.), 66. Teacher & couns. pub. schs., N.Mex., 52-64; asst. prof. SPEC. ED., New Mexico Highlands, 66-67; New Mexico, 67-69; PROF. & HEAD DEPT., MADISON COL., 69-. Spec. ed. consult. pub. schs., Las Vegas, N.Mex., 66-67. Mem. Gov. Task Force Teacher Ed., N.Mex., 66-68, Gov. Task Force Voc. Rehab. Ment. Retarded, 68-69. Psychol. Asn.; Asn. Ment. Deficiency; Coun. Except. Children. Exceptional children, especially medication studies, learning styles, visual imagery and stimulus deprivation. Publ: Co-auth. Visual imagery and level of mediator abstractness in induced mediation paradigms, Perceptual & Motor Skills, 26: 775-779; auth. Visual imagery as a factor in teaching elaborate language to retarded children, Except. Children, 35: 539-541 & Sex and level of mediator abstractness as variables in mediate association, Psychonomic Sci., 14: 160. Address: Dept. of Special Education, Madison College, Harrisonburg, Va. 22801.
- CHRISTIE, DR. ROBERTA. Psychology. See A-K Vol, 11th ed, Soc. & Behav. Vols. New position: Prof. guid. & counseling, 69-. School of Education, Loyola University of Chicago, 820 N. Michigan Ave., Chicago, Ill. 60611.
- CHRISTINA (SCHWARTZ), SISTER M. L.H.M., b. Grand Rapids, Mich., July 23, 07. SOCIOLOGY. A.B. Marygrove Coll., 30; Nat. Cath. Sch. Soc. Serv. 32; Ph.D. Catholic Univ., 38; summer, Uppsala, 64. Soc. worker, dept. pub. welfare, Detroit, Mich., 30-31; Montgomery County Soc. Serv. League, Md., 31-32; teacher, high sch., 34-35; instr. SOCIOL., MARYGROVE COL., 38-42, asst. prof., 42-44, PROF. & HEAD DEPT., 44-. Del. Coun. Soc. Work Ed., 57-. Participant, Inst. Soc. Work. Coun. Soc. Work Ed. & Childrens Bur., Seattle, Wash., 57-. Nat. Asn. Soc. Workers. Religious vocations; the American Catholic family. Publ: Social contribution of the Catholic Church in France, 1815-1870. Address: Dept. of Sociology, Marygrove College, Detroit, Mich. 48221.
- CHRISTOPH, PROF. JAMES BERNARD. Political Science. See A-K Vol, 11th ed, Soc. & Behav. Vols. Change of address: Dept. of Political Science, Indiana University, 253 Woodburn Hall, Bloomington, Ind. 47401.
- CHRISTOPHER, DR. STEVEN B., b. Zanesville, Ohio, July 23, 41; m. 64; c. 1. ANIMAL BEHAVIOR, ZOOLOGY. B.S., Ohio, 63; M.S., Cincinnati, 66; Ph.D.
- (zool. psychol.), Pa. State, 69. ASST. PROF. PSYCHOL., EAST. WASH. STATE COL., 69-. AAAS; Soc. Zool.; Animal Behav. Soc.; Int. Soc. Develop. Psychol. Ontogeny of avian and primate social behavior; animal communication; filial and mating bonds; social deprivation; behavioral ecology. Publ: Co-auth. Specificity of visual imprinting in domestic turkeys, 68 & auth. Effects of age and experience on imprinting in turkeys and chickens, 69, Am. Zoologist. Address: Dept. of Psychology, Eastern Washington State College, Cheney, Wash. 99004.
- CHU, DR. HSIEH-JEN, b. Nanking, China, June 6, 30; m. 63; c. 2. SOCIOLOGY, DEMOGRAPHY. B.A., Chung Hsing Univ., Taiwan, 58; M.A., Fisk, 62; Vanderbilt, 62-63; Ph.D. (sociol.), Florida, 66. Asst. prof. SOCIOL., Bradley, 66-69; ASSOC. PROF., STATE UNIV. N.Y. COL. OSWEGO, 69-. Sociol. Asn. Pop. Asn. Am.; fel. China Acad. Migration and cross-cultural studies of the family. Publ: Co-auth. A cross-cultural study of the relationships between family types and social stratification, 5/69 & auth. A note to utilizing Murdock's ethnographic survey materials for cross-cultural family research, 5/69, J. Marriage & Family; The redistribution of the population in Taiwan. Ann. Meeting Pop. Asn. Am., 4/70. Address: Dept. of Sociology & Anthropology, State University of New York College at Oswego, Oswego, N.Y. 13126.
- CHU, DR. SOLOMON S. P., b. Hong Kong, Nov. 11, 37; m. 68. SOCIOLOGY. B.A., Hong Kong, 59; M.A., Michigan, 63, Ph.D. (sociol.), 69. Res. asst. pop. res., Michigan, 62-66; lectr. SOCIOL., STATE UNIV. N.Y. BUFFALO, 66-69; ASST. PROF., 69-. Sociol. Asn.; Psychol. Asn.; Pop. Asn. Am. Population and human econ.; socio-economic correlates of fertility; family functions and structure. Address: Dept. of Sociology, State University of New York at Buffalo, Buffalo, N.Y. 14214.
- CHUANG, DR. YAO HUANG. Econometrics, Agricultural Economics. See A-K Vol, 11th ed, Soc. & Behav. Vols. New information: Teacher quantitative decision making, Central Michigan, 69-. Address: Systems Analysis Dept., Dow Chemical Co., 256 Bldg., Midland, Mich. 48640.
- CHUMBLEY, DR. JAMES IVYLL, b. Des Moines, Iowa, Oct. 31, 38; m. 60; c. 4. PSYCHOLOGY. A.B., Drake, 60; M.S. Ed., Indiana, 63, U.S. Pub. Health Serv. fel. & Ph.D. (psychol.), 67. ASST. PROF. PSYCHOL., MASSACHUSETTS, AMHERST, 67-. Psychol. Asn. Mathematical psychology; human learning; problem solving. Address: Dept. of Psychology, University of Massachusetts, Amherst, Mass. 01002.
- CHUNG, DR. KAE HOON, b. Seoul, Korea, Jan. 26, 37; m. 59; c. 2. BUSINESS ADMINISTRATION. B.A. Seoul, 59; M.B.A., La. State, 65, fel. 67, Ph.D. (mgt), 68. Asst. prof. MGT., NORTHERN ILLINOIS, 67-68, ASSOC. PROF., 68-, faculty res. grants, 68-70, acad. res. 69. Acad. Mgt. Inst. Decision Sci. Human behavior in organizations, motivation and performance; organizational behavior; operations research and management. Publ: A Markov chain model of human needs: an extension of Maslow's need theory, Acad. Mgt. J. 6/69; Toward a general theory of motivation and performance, Calif. Mgt. Rev., spring 69; Computer simulation of a queueing system, J. Prod. & Inventory Mgt., 69 & Indust. Mgt., 9/69. Address: 1314 Suburban Apt., DeKalb, Ill. 60115.
- CHURBA, PROF. JOSEPH. International Relations, Middle East Studies. See 5th ed, Dir. Am. Scholars, Vol. I, Hist.
- CHURCHILL, DR. DON W., b. Seattle, Wash., Feb. 5, 30; m. 55; c. 3. PSYCHIATRY. B.S., Lawrence Col., 51; M.S., Wisconsin, 56, M.D., 57. Instr. path., Wisconsin, 53-56; intern, King County Hosp., Seattle, Wash., 57-58; res. psychiatrist, Cincinnati, Gen. Hosp., 58-60, fel. child psychiatry, 62-63; asst. prof. PSYCHIAT., MED. CENTER, INDIANA, INDIANAPOLIS, 64-66. ASSOC. PROF., 68-. Consult. Ind. Boys' Sch., 64-69; Ind. Sch. for Deaf, 69-70. Dipl. psychiatrist, Am. Bd. Psychiat. & Neurol., 63, child psychiatrist, 66. U.S.N.R., 62-64, Lt. Comdr. AAAS; Psychiat. Asn. Pathology of connective tissue and histochemistry of mucopolysaccharides; childhood psychosis; language development and its relation to performance and cognitive levels; relationship of success-failure level to affect, mood and specific behavioral measures. Publ: Co-auth. Infantile autism: proceedings of the Indiana University colloquium, C.C. Thomas, 70; Identification of perceptual limitations in mute autistic children, Arch. Gen. Psychiat., 21: 68-71; auth. Psychotic children and behavior modification, Am. J. Psychiat., 125: 1585-1590. Address: 315 W. Tenth St., Indianapolis, Ind. 46202.
- CHYATTE, JOSEPHINE SEGATTO, b. New York, N.Y., Apr. 26, 29; m. 52; c. 2. PSYCHOLOGY. B.A., Queens Col. (N.Y.), 50; Catholic Univ., 50-52; M.A. DePaul, 65; Northwestern, 65-66. PSYCHOLOGIST, OAK PARK BD. ED. ILL., 68-. Learning disabilities; tests and measurements; social interaction in psychotherapy; behavior modification. Publ: Co-auth. Social interaction in psychotherapy: abreaction as interpreted through brain blood-shift theory, Psychother. & Psychosom., 67. Address: 1009 N. Lombard Ave., Oak Park, Ill. 60302.
- CIANCI, DR. SALVATORE NUNZIO, b. New Britain, Conn., Apr. 7, 30; m. 67; c. 2. PSYCHOLOGICAL PSYCHOLOGY. B.A., Connecticut, 51, M.A., 52, U.S. Pub. Health Serv. fel. Michigan, 60-61; Ph.D. (psychol.), 62. U.S. Pub. Health Serv. fel. dept. physiol. sch., med. Hopkins, 61-63; RES. PSYCHOLOGIST, U.S. GOVT., 63-. Lectr., George Washington, 64-66. Res. consult., Friends Psychiat. Res. Inst., 63-. U.S.A., 55-57. AAAS; Psychol. Asn.; Soc. Psychophysiol. Res. Neuropsychology; brain-behavior relationships concerned with learning, memory and motivation. Publ: Effects of cortical and subcortical stimulation on delayed response in monkeys, 1/65 & co-auth. Differential recovery of delayed response function following prefrontal ablation, 3/67, Exp. Neurol.; Behavioral effects of LSD in subhuman primates, In: Drugs and the brain, John Hopkins, 69. Address: 1704 Glenkarney Place, Silver Spring, Md. 20902.
- CIARLO, DR. JAMES ANTHONY. Psychology. See A-K Vol, 11th ed, Soc. & Behav. Vols. New position & address: Dir. ops. data sect., 69-, Division of Psychiatry, Dept. of Health & Hospitals, Sixth Ave. & Cherokee St., Denver, Colo. 80204.

- VARELLA, PROF. MICHAEL ANTHONY. B.A. Altona, Pa., May 26, 29; M. 59; c. 2. COUNSELING, GUIDANCE. B.S. Pa. State, 56, M.Ed. 58, D.Ed. 63. Teacher, high sch, Pa. 56-59; dir. guid., Upper Dauphin High Sch., Pa. 59-62; Col. couns., Lehigh, 63-64; PROF. ED. & PSYCHOL. SHIPPENSBURG STATE COL., 64-65; U.S.A. 50-52, 53/54; Personnel & Guid. Assn.; Nat. Voc. Guid. Assn. Career Development; National appraisals. Publ.: The counselor as a participant in minimizing curricular frustrations, Couns. Ed. & Supv., 1/68; Misconceptions about psychology and psychologists among senior high school students, Col. Rev. J. 9/69; Manifestations of teacher maladjustment in the classroom, Pa. Sch. J. (in press). Address: Dept. of Education & Psychology, Shippensburg State College, Shippensburg, Pa. 17257.
- CICAK, DR. FEDOR (IVAN), b. Pozega, Yugoslavia, June 17, 16; U.S.A. citizen; m. 41; c. 5. POLITICAL SCIENCE, LAW. Dr. Jur., Zagreb, 40; M.A., Indiana, Bloomington, 56; Ph.D. (polit. sci.), 65. Docent polit. anal., Saarlandes, 59-60; res. inst. Eur. Soc., Bonn, 60-61; Eur. Soc., Bonn, 61-62; for collection, law sch., 54-59; resident lectr., POLIT. SCI., INDIANA NORTHWEST, 59-65, ASST. PROF., 65-, ASST. CHMN. DEPT. GOVT., 58- Polit. Sci. Assn. Modern political ideologies; systems of social control; political parties and pressure groups; social engineering. Publ.: Catalog of source materials, Part II, 52 & co-auth. Collectivization as a basic vulnerability of Yugoslavia, 52, Ind. Univ. Address: 208 E. Seventh St., Hobart, Ind. 46342.
- CICCHETTI, DR. CHARLES JOSEPH, b. Jersey City, N.J. July 31, 43; m. 63; c. 2. ECONOMICS, ECONOMETRICS. A.B. Colo. Col., 65; Ph.D. (econ), Rutgers, 68. Head night auditor, Broadmoor Hotel, 64-65; res. asst. econ. Rutgers, 66-68, instr. Rutgers Col., 68-69; RES. ASSOC. ECON. RES. RE. SOURCES FOR FUTURE WASH. DC, 69- Consult. West. Univ., Ind. 66-69; consult. for Appalachian Regional Cmn. & State of N.Y., R.N. Nathan Assn., 68-69; consult. for State of Hawaii, Mathematica, Inc., 69. U.S.A.F. 61-67, Econ. Assn; Economet. Soc. Econometric research in the area of natural resources and environmental quality. Publ: Co-auth. User response in out-landish production: a regression analysis, J. L. Isure, 1969, 69 & The demand for public communication, J. Regional Sci., winter 69; auth. The demand and supply of outdoor recreation, U.S. Dept. Interior, 6/69. Address: 8206 Custer Rd., Bethesda, Md. 20034.
- CICCHETTI, DR. DOMENIC V., b. Waterbury, Conn., Apr. 5, 37; m. 65. PSYCHOLOGY. B.A. Connecticut, 59; M.A., 60, Ph.D. (psychol), 65. Res. soc. psychologist, Vet. Admin. Hosp., Brockton, Mass. 60-63; assoc. res. psychol., Yale, 63-65; res. assoc. VET. ADMIN. HOSP., WEST HAVEN, 65-67, RES. PSYCHOLOGIST & BIOSTATISTICIAN, EAST. RES. SUPPORT CENTER, 67- Lectr., Yale, 67- AAAS; Statist. Assn; Psychol. Assn. Psychotherapy; psychotherapy: statistics. Publ: A test of the sentence-deficit method in minimizing the Rodrick-Garmeyr version of the discrimination task, 8/67, Reported family dynamics and psychopathology: the reactions of schizophrenics and normals to parental dialogues, 6/67 & Reported family dynamics and psychopathology: the reactions of mental patients to a disturbed family in psychopathology, 4/68, J. Abnorm. Psychology. Address: Box 272, Stony Creek, Conn. 06405.
- CIEPLAK, DR. TADEUSZ (NOWAK), b. Tarnopol, Poland, Oct. 7, 18; U.S. citizen; m. 48. POLITICAL SCIENCE, COMPARATIVE GOVERNMENTS. B.S. J. Slowacki Lyceum, Tarnopol, Poland, 36; Lwów & Warsaw Univs., 36-39; B.C.L. Oordord, 46; LL.M., McGill, 55, Ph.D. (polit. theory), 62. Asst. prof. of Political Science, Col. 63-64; Wayne, Pa., 64-65; 64-65, 64-65, sci. & hist. Alliance Col., 64-65; ST. JOHN'S N.Y., 65-69, ASSOC. PROF. POLIT. SCI., 69- Mem. Pres. Adv. Coun. on Humanities & Prnl. Res., summer 69. Polit. Sci. Assn; Assn. Adv. Slavic Stud. General politics in Poland; the role and function of the non-Communist parties in Poland since 1956; the contribution of Petrzak's sociological school of law to the general sciences. Publ.: Public opinion since 1945, in: Social changes in Polish agriculture, World Agr., 7/58. Address: Dept. of Political Science, St. John's University, Jamaica, N.Y. 11432.
- CIKLIC, PETER. Psychology. See A-K Vol, 11th ed, Soc. & Behav. Vols. New information: Also chmn. dept., Loyola (Calif.), 69- Address: 7101 W. 80th St., Los Angeles, Calif. 90045.
- CIMBALA, DR. STEPHEN J. b. Pittsburgh, Pa., Nov. 4, 43; m. 67. POLITICAL SCIENCE. B.A. Pa. State, 65; Nat. Defense Ed. Act, Wisconsin, 65-68, M.A., 67, Ph.D. (polit. sci.), 69, ASST. PROF. POLIT. SCI., STATE UNIV. ST. JOHN'S, 69- State Univ. N.Y. Res. Found. faculty res. rel., summer 70. Polit. Sci. Assn. International politics and foreign policy; military policy and administration; comparative politics; organization theory; political psychology. Publ: Foreign policy as an issue area, Am. Polit. Sci. Rev. 3/69. Address: Dept. of Political Science, State University of New York at Stony Brook, Stony Brook, N.Y. 11790.
- CIMBALO, DR. RICHARD S., b. Buffalo, N.Y. July 14, 42; m. 62; c. 2. PSYCHOLOGY. B.A. State Univ. N.Y. Buffalo, 60, Ph.D. (psychol), 69; Louisville 64-65. ASST. PROF. PSYCHOL., ROSARY HILL COL., 67- Psychol. Assn. Human memory; information processing. Publ: Co-auth. Effects of dance on constant illumination and synchronized photostimulated auditory sensitivity to pulsed tones, 65, auth. Short-term memory: effects of auditory and visual similarity, 68 & Short-term memory: effects of type of trigram isolated and position of isolation, 70, Psychonomic Sci. Address: Dept. of Psychology, Rosary Hill College, 4380 Main St., Buffalo, N.Y. 14226.
- CINQUEMANI, DOROTHY KYTE. Anthropology. See A-K Vol, 11th ed, Soc. & Behav. Vols. New information: Instr. New Sch. Soc. Res., 69- Address: 136 W. 16th St., New York, N.Y. 10011.
- CISAR, DR. MARY ANN, b. Caldwell, Ohio, Aug. 24, 32. POLITICAL SCIENCE. B.A. Ohio State, 59; M.A., 62, Ph.D. (polit. sci.), 65. ASSOC. PROF. POLIT. SCI., CALIF. STATE COL. SAN BERNARDINO, 65- German aid to developing nations; contemporary social problems. Address: 3772 Ferndale Ave., San Bernardino, Calif. 92404.
- CIZON, PROF. FRANCIS (ANTHONY). Sociology. See A-K Vol, 11th ed, Soc. & Behav. Vols. New position: Prof. social, Indiana Northwest, 69- Address: 8403 Delaware Place, Highland, Ind. 46322.
- CLAAGET, DR. ARTHUR FRANK, JR., b. Little Rock, Ark. Dec. 16; m. 54. SOCIOLOGY. B.A. Baylor, 43; M.A., Arkansas, 57; Ph.D. (sociol.), La. State, 68. Shift chemist, Celanese Econ. Am., 42-44; prod. shift supvr, Commercial Solvents Corp., 44-45; res. supvr. streptomycin pilot plant, antibiotic div., Schenley Indust. Inc., 45-48; asst. mgr., Claggett Feed & Seed Store, 48-50; asst. mgr., Claggett Feed & Seed Store, 48-50; asst. mgr., Blue Line, Chem. Co., Mo., 52-56; prison classification officer I & II & psychol. asst. II, La. State Penitentiary, 56-60; counseling psychologist, La., 60-64; asst. prof. SOCIOL., Lamar State Col., 64-66; ASSOC. PROF., STEPHEN F. AUSTIN STATE, 68- Personnel & Guid. Assn. Empirical investigations of relationships affecting, social interaction, social change, social control and criminal psychodynamics. Publ: Criminal psychodynamics: a conceptual hypothesis of etiology, Corrective Psychiat. & J. Soc. Therapy, spring 63; Neo-behaviorist principles of social and cultural change: revision and synthesis of Martindale's propositions, 3/64 & Theoretical continuities in conceptual formulations of social cohesion and control in social relations, 9/67, Int. J. Soc. Sci., December, 1970, Box 5173, Stephen F. Austin Station, Stephen F. Austin State University, Nacogdoches, Tex. 75961.
- CLAGUE, DR. CHRISTOPHER (KARRAN), b. Washington, D.C., May 28, 38; m. 60; c. 2. ECONOMICS. B.A., Swarthmore Col., 60; Ph.D. (econ), Harvard, 62; teaching asst., Harvard, 65-67; staff economist, Coun. Econ. Adv., 67-68; ASST. PROF. ECON., MARYLAND, 69- Consult. Org. Econ. Cooperation & Develop., Peruvian Productivity Center, Lima, Peru, 69; summer, Agency Int. Develop., 68. Econ. Assn. Capital-labor substitution in underdeveloped countries; economies of Peru and Haiti; tariff preferences in international trade. Publ: An international comparison of industrial efficiency: Peru and Haiti, 1968, Econ. & Statist., 11/67; Capital-labor substitution in manufacturing in underdeveloped countries, Econometrica, 7/69; The determinants of efficiency in manufacturing industries in an underdeveloped country, Econ. Develop. & Cult. Change, 1/70. Address: Dept. of Economics, University of Maryland College of Business & Public Administration, College Park, Md. 20742.
- CLAGUE, DR. EWAN. Labor Economics. See A-K Vol, 11th ed, Soc. & Behav. Vols. Change of address: Leo Kramer, Inc., 1835 K St. N.W., Washington, D.C. 20006.
- CLAIBORN, MAJ. EDWARD LEE, U.S.A.F. b. Kimberly, Idaho, Apr. 3, 33; m. 52; c. 2. ECONOMICS. B.S., Idaho, 55; M.A., Princeton, 61, Ph.D. (econ), 64. U.S. AIR FORCE, 55-, asst. in instr. ECON., Princeton, 60-61, instr., U.S. AIR FORCE ACADEMY, 61-62, asst. prof., 62-64, assoc. prof., 64-65, TENURE ASSOC. PROF., 65- Econ. Assn. International trade theory; international monetary theory; monetary theory and policy; defense economics. Address: Dept. of Economics, U.S. Air Force Academy, Colo. 80840.
- CLAIR, DR. DEAN (JAMES). Psychology. See A-K Vol, 11th ed, Soc. & Behav. Vols. New position: Expert ed. psychol., UNESCO, 69- Address: c/o Resident Representative, UN Development Programme, Casilla 197-D, Santiago, Chile.
- CLAPP, PROF. CHESTER (DILLINGHAM), JR. Psychology. See A-K Vol, 11th ed, Soc. & Behav. Vols. New position & address: Prof. psychol. & chmn., 69-, Dept. of Psychology & Sociology, Purdue University, Calumet Campus, 2233 171st St., Hammond, Ind. 46323.
- CLARK, DR. ALEXANDER LOGIE. Sociology. See A-K Vol, 11th ed, Soc. & Behav. Vols. New position & address: Prof. social. & assoc. dean, 70-, Lyndon B. Johnson School of Public Affairs, University of Texas, Austin, Tex. 78712.
- CLARK, PROF. ANDREW HILL. Geography. See A-K Vol, 11th ed, Soc. & Behav. Vols. New Publ: Acadia: the geography of early Nova Scotia to 1760, Univ. Wisconsin, 68. Address: Dept. of Geography, University of Wisconsin, Madison, Wis. 53705.
- CLARK, PROF. CARL (ARTHUR). Psychology. See A-K Vol, 11th ed, Soc. & Behav. Vols. Change of address: 1400 N. Lake Shore Dr., Apt. 21-F, Chicago, Ill. 60610.
- CLARK, DR. CAROLYN, b. San Antonio, Tex., May 11, 41. ECONOMICS. A.B., Wellesley Col., 63; M.A., California, Berkeley, 67, Ph.D. (econ), 70. ASST. PROF. ECON., UNIVERSITY OF CALIFORNIA, 67- Econ. Assn; Can. Econ. Assn. Monetary theory and policy: the demand for money and related areas. Publ: Co-ed, Canadian readings in money and banking, Prentice-Hall, Can. (in press). Address: Dept. of Economics, University of British Columbia, Vancouver 8, B.C., Can.
- CLARK, DENNIS. Modern History. See 5th ed, Dir. Am. Scholars, Vol. I, Hist.
- CLARK, DR. HERBERT (HORACE). Psychology. See A-K Vol, 11th ed, Soc. & Behav. Vols. New position & address: Asst. prof., 69-, Dept. of Psychology, Stanford University, Stanford, Calif. 94305.
- CLARK, DR. HERBERT JAMES. Psychology. See A-K Vol, 11

63. Asst. prof. PSYCHOL. OHIO STATE, 63-66, ASSOC. PROF. 66- Burke Aaron Hinsdale scholar, Michigan, 63-64. Consult. ed, series in psychol. & human develop. McGraw-Hill Book Co, 66-; consult, U.S. Off. Econ. Opportunity, 67- U.S.A.F. 51-53, Res. 1st Lt. Psychol. Asst; Soc. Res. Child Develop; Ed. Res. Asst; Nat. Coun. Measurement in Ed. Developmental and educational psychology; cognitive styles; individual differences; creativity. Address: Dept. of Psychology, Ohio State University, 1945 N. High St., Columbus, Ohio 43210.
- CLARK, DR. PRISCILLA P (ARKHURST). French Literature, Sociology of Literature. See 5th ed, Dir. Am. Scholars, Vol. III, For. Lang. Ling. & Philol.
- CLARK, PROF. RUTH (MILLBURN). Psychology, Speech Pathology. See A-K Vol, 11th ed, Soc. & Behav. Vols. New position: Prof. speech, Metrop. State Col, 69- Address: Cheesman Towers West, 1200 Humboldt St; Apt. 902, Denver, Colo. 80218.
- CLARK, DR. SHIRLEY MERRITT. Sociology. See A-K Vol, 11th ed, Soc. & Behav. Vols. New position & address: Asst. prof. ed. & social, 68-, University of Minnesota, 139-A Burton Hall, Minneapolis, Minn. 55455.
- CLARK, DR. WILLIAM ARTHUR VALENTINE, b. Christchurch, N.Z., Mar. 21, 38; m. 61. GEOGRAPHY, B.A., Canterbury, 60, M.A., 61; Fulbright travel grant, 61; Ph.D., GEOGRAPHY, Illinois, Urbana, 64. Lectr. geog., Canterbury, 64-66; asst. prof., Wisconsin, Madison, 66-68, assoc. prof. geog. & urban planning, 68-70; VIS. ASSOC. PROF. GEOG., CALIFORNIA, LOS ANGELES, 70- Asm. Am. Geog. Regional Sci. Assn., N. Geog. Soc. Models of urban spatial structure, particularly models of intra-urban consumer behavior and population mobility. Publ: Consumer travel patterns and the concept of range, Ann. Asn. Am. Geographers, 68; Information flows and intra-urban migration: an empirical analysis, Proc. Asn. Am. Geographers, 69; co-auth., The spatial structure of the Iowa urban network, Geog. Anal., 70. Address: Dept. of Geography, University of California, Los Angeles, Calif. 90024.
- CLARK, DR. WILLIAM DOUGLAS. Transportation, Management. See A-K Vol, 11th ed, Soc. & Behav. Vols. New position: Chmn., 69-, Division of Business, Auburn University at Montgomery, 435 Bell St, Montgomery, Ala. 36104.
- CLARK, DR. WILLIAM T (THOMAS), b. Covington, Ky, June 20, 31; m. 63; c. 2. GEOGRAPHY, B.S., Kentucky, 53, M.A., 55, Ph.D. (ed), 67. Instr. GEOG., Ala. Polytech, 57-59; asst. prof., Indiana State Col (Pa), 60-62; ASSOC. PROF., MOREHEAD STATE, 64- Asn. Am. Geog. Nat. Coun. Geog. Ed. Physical geography; Europe; meteorology. Address: 512 Second St, Vanceburg, Ky. 41178.
- CLARKE, DR. CARL T (ELLES). Psychology. See A-K Vol, 11th ed, Soc. & Behav. Vols. New position: Dir., 68-, Marriage & College Life Project, University of Florida, Infirmary, Gainesville, Fla. 32601.
- CLARKE, PROF. JAMES HARRIS. Agricultural & Marketing Economics. See A-K Vol, 11th ed, Soc. & Behav. Vols. New information: Ph.D. (agr. econ), Minnesota, 69. Acting chmn., 69-, Committee of Agricultural Economics, Division of Resource Management, College of Agriculture & Forestry, West Virginia University, Morgantown, W. Va. 26506.
- CLAUDE, PROF. INIS L (O'HAIR), JR. Political Science. See A-K Vol, 11th ed, Soc. & Behav. Vols. New position & address: Edward R. Stettinius, Jr. prof. govt. & for. affairs, 68-, Dept. of Government & Foreign Affairs, University of Virginia, Charlottesville, Va. 22901.
- CLAUDE, DR. RICHARD P. Political Science. See A-K Vol, 11th ed, Soc. & Behav. Vols. New position: Assoc. prof., Maryland, 69-. New publ: The Supreme Court and the electoral process, John Hopkins, 70. Address: Dept. of Government & Politics, University of Maryland, College Park, Md. 20742.
- CLAUSEN, DR. AAGE RICHARD, b. Danneberg, Nebr., Sept. 12, 32; m. 62; c. 1. POLITICAL SCIENCE, B.A., Macalester Col, 57; Ford Found. fel., Michigan, 57, M.A., 58, Ph.D. (polit. sci.), 64. Asst. study dir., social, Detroit Area Study, Michigan, 58-59, polit. behav. surv. res. center, 59-64, study dir., 64-66; ASST. PROF. POLIT. SCI., WISCONSIN, MADISON, 66- Soc. Sci. Res. Coun. res. grant, 67-68; vis. prof., Gothenburg, 68-69; Nat. Sci. Found. res. grant, 71-. U.S.A., 59-55. Polit. Sci. Asst; Asn. Pub. Opinion Res. Public opinion; voting behavior; legislative roll call voting; representation; methodology. Publ: Measurement identity in the longitudinal analysis of legislative voting, 12/67 & co-auth., A comparative analysis of Senate-House voting on economic and welfare policy, 1953-64, 3/70, Am. Polit. Sci. Rev; auth., Response validity: vote report, Pub. Opinion Quart, winter 68-69. Address: Dept. of Political Science, University of Wisconsin Madison, Wis. 53706.
- CLAUSEN, DR. GERALDINE TATE, b. Rodney, Miss, July 26, 34; m. c. 1. SOCIAL PSYCHOLOGY, B.A., Maryland, 55, M.A., 57; Ford Found. fel., Michigan, 61-63, Nat. Inst. Ment. Health fel., 63-65, Ph.D. (soc. psychol.), 65. Res. asst., psychol. human resources res. org., George Washington, summer 56; counsr. & asst. to dean, Ohio State, 57-59; asst. study dir., inst. soc. res., Michigan, 60-65, lectr. psychol., 66; U.S. Dept. Health, Ed. & Welfare fel., res. & develop. center, WISCONSIN, MADISON, 66-67; RES. ASSOC. SOCIAL & DIR. RES. COPING PROJ., 67- Rackham res. grant, Michigan, 65; lectr., Gothenburg, 69; Appl. Behav. Sci. intern. fel., summer 67. Asn. Pub. Opinion Res. Ed. Res. Asst. Psychol. Asst; Sociol. Asst; Soc. Psychol. Study Social Issues. Investigation of post hospital functioning of mental patients and study factors precipitating return to hospital; small groups research and therapeutic innovations and alternative support structures for behavioral change. Publ: Co-auth., Responsibility, norms and helping in an emergency, J. Personality & Soc. Psychol., 70. Address: Dept. of Sociology, Social Science Bldg., 1180 Observatory Dr., Madison, Wis. 53706.
- CLAYTON, DR. ELIZABETH MYERS, b. Pueblo, Colo., May 8, 31; div. c. 1. ECONOMICS, B.A., Washington (Seattle), 53, M.A., 66, Ph.D. (econ), 68. ASST. PROF. ECON., MISSOURI-ST. LOUIS, 68- Econ. Asst; Asn. Study Soviet-Type Econ; Asn. Adv. Slavic Studies. Soviet and other planned economies. Publ: Co-auth., A peasant's view of a Soviet collective farm, Am. Econ. Rev., 3/68. Address: Dept. of Economics, University of Missouri-St. Louis, St. Louis, Mo. 63211.
- CLAYTON, DR. JAMES L. Economic & Legal History. See 5th ed, Dir. Am. Scholars, Vol. I, Hist.
- CLEARY, DR. NORMAN, b. Cleveland, Ohio, Sept. 18, 24; m. 47, 66; c. 7. SOCIAL PSYCHOLOGY, B.S., Iowa State, 50, M.S., 57; Ph.D. (human comm.), Mich. State, 66. ASST. PROF. soc. sci., Montiel Col., Wayne State, 60-62; commun., MICH. STATE, 63-66, SOC. SCI., 66- U.S.A., 42-46. Mass media, minority group and cross-cultural communication research. Publ: Communication channels between Canada and the U.S.A.—formal and informal. Fifth Seminar on Can. Am. Rels., Univ. Windsor Proc., 63; A.S.T.M.E. numerical control of manufacturing, 64 & Interest attitudes and motivation of service station salesmen, 65, Prog. Press. Address: 414 Oxford Rd., East Lansing, Mich. 48823.
- CLEARY, DR. THERESA ANNE, b. Shanghai, China, Dec. 12, 35; U.S. citizen. EDUCATIONAL PSYCHOLOGY, B.S., Marquette, 58; U.S. Pub. Health Serv. trainee, Minnesota, Minneapolis, 58-60, M.A., 60; U.S. Pub. Health Serv. trainee, Illinois, Urbana, 62-64; Ph.D. (psychol.), 64. Res. asst., Minnesota, Minneapolis, 58-59; res. asst., statistician, Ed. Testing Serv., 60-62, from assoc. res. psychologist to res. psychologist, 64-66; teaching asst., Illinois, Urbana, 63-64; ASSOC. PROF. ED. PSYCHOL., WISCONSIN, MADISON, 66- Ed. Res. Asst; Psychol. Asst; Statist. Asn; Nat. Coun. Measurement in Ed; Psychomet. Soc. Psychological measurement; minority groups. Publ: Test bias: prediction of college grades for Negro and White students in integrated colleges, J. Ed. Measurement, 5: 115-124; co-auth., Development and evaluation of several programmed testing methods, Ed. & Psychol. Measurement, 29: 129-146 & The effect of reliability and validity on the power of a statistical test, Sociol. Methodology, 70. Address: 938 W. Johnson St., Madison, Wis. 53706.
- CLELAND, DR. CHARLES L (ESLIE). Rural Sociology. See A-K Vol, 11th ed, Soc. & Behav. Vols. New position: Prof. rural social, 69-, Dept. of Agricultural Economics & Rural Sociology, University of Tennessee, Knoxville, Tenn. 37916.
- CLELAND, DR. COURTNEY B (LAIR). Sociology. See A-K Vol, 11th ed, Soc. & Behav. Vols. Change of address: 6820 E. Edgemont St, Tucson, Ariz. 85710.
- CLEMENS, DR. FREDERICK WAYNE, b. Blacksburg, Va., Feb. 15, 39; m. 68. EDUCATIONAL & COUNSELING PSYCHOLOGY, B.S. Va. Polytech, 59; M.S., Radford Col., 66; D.Ed., Virginia, 68. Teacher & counsr., Christiansburg High Sch., 62-64, dir. guid., 64-65; asst. personnel dir., Corning Glass Works, 65-66; counseling psychologist, U.S. Dept. Labor, 68-69; ASSOC. PROF. PSYCHOL., RADFORD COL., 69- U.S.A.F., 59-62, Capt. Personnel & Guid. Asst; Psychol. Asst. Psychological impact of compensatory educational programs; prediction of college grades for Negro and White students; application of learning theory to educational environment. Address: 607 Vienna Ave., Radford, Va. 24141.
- CLEMENS, PROF. WALTER C, JR. International Relations. See A-K Vol, 11th ed, Soc. & Behav. Vols. New position: Prof., 69-, Dept. of Government, Boston University, Boston, Mass. 02215.
- CLEMENTS, PROF. JOSEPH HARDIN, b. Owensboro, Ky., Mar. 3, 20; m. 60; c. 1. BUSINESS ADMINISTRATION, FINANCE, B.A., Ed., Kentucky, 47; M.B.A., Mississippi, 48; D.Ed. (bus. ed.), Oklahoma, 54. Asst. prof. bus. ed., Arkansas State, 48-51; bus. admin., Maryland, 53-56; syst. analyst, space tech. lab., Gen. Elec. Co., Pa., 56-59; sales coordinator, electronic controls sect., Budd Co., 59-60; assoc. prof. bus. admin., Bloomsburg State Col., 60-63; PROF. FINANCE, SCH. BUS. ADMIN., SOUTHERN MISSISSIPPI, 63- Bus. Commun. Asn. Managerial communications; technical writing and editing; systems and procedures of business administration. Publ: Co-auth., A guide book for teachers of basic business subjects, Joint Coun. Econ. Ed., 50. Address: 2913 Williamsburg Rd., Hattiesburg, Miss. 39401.
- CLENENEN, DR. DOROTHY M (ARQUERITE). Psychology. See A-K Vol, 11th ed, Soc. & Behav. Vols. New information: No longer with Psychol. Corp. Address: 609 Palmer Rd., Yonkers, N.Y. 10701.
- CLEVELAND, PROF. AUSTIN C (ARI). Psychology. See 11th ed, Soc. & Behav. Vols., deceased 70.
- CLEVELAND, PRES. HARLAN. Public Administration. See A-K Vol, 11th ed, Soc. & Behav. Vols. New position & address: Pres., 69-, University of Hawaii, 2444 Dole St., Honolulu, Hawaii 96822.
- CLEVENGER, HORACE M (ARSHALL). Economics, Statistics. See A-K Vol, 11th ed, Soc. & Behav. Vols. New position: Ops. res. analyst, U.S. Army Mobility Equip. Command, St. Louis, 69- Address: 21 Alameda Place, Ferguson, Mo. 63135.
- CLEVENGER, DR. SUSAN JEANNETTE. Social & Behavioral Science. See A-K Vol, 11th ed, Soc. & Behav. Vols. New position: Prof., 69-, Dept. of Psychology, Counseling & Guidance, Colorado State College, Greeley, Colo. 80631.
- CLEVENGER, DR. THOMAS S, b. Eugene, Ore., Oct. 9, 40; m. 61; c. 2. AGRICULTURAL ECONOMICS, B.S., Oregon State, 62, M.S., 64; Ph.D. (agr. econ), Mich. State, 68. ASST. PROF. AGR. ECON., NEW MEXICO STATE, 64. Econ. Asst; Agr. Econ. Asn. Agricultural and food marketing agricultural policy. Publ: Price prediction equations for Michigan cooperative celery, 69 & co-auth., Group action in the Michigan celery industry: a case history of the Michigan Celery Promotion Cooperative, 69, Mich. State Univ. & Mill utilization of western cotton, 64-65, N.Mex. State Univ., 69. Address: Dept. of Agricultural Economics & Agricultural Business, P.O. Box 3169, New Mexico State University, Las Cruces, N.Mex. 88001.

- CLIFFORD, DR. EDWARD. Psychology. See A-K Vol. 11th ed. Soc. & Behav. Vols. Change of address: 2535 Sevier St, Durham, N.C. 27705.
- CLIFFORD, PROF. PAUL (INGRAHAM). Educational Psychology. See A-K Vol. 11th ed. Soc. & Behav. Vols. New position: Staff psychologist, v-pres. & mem. bd. dirs. Am. Mgt. Psychologists, Inc. 69- Address: 859 Woodmere Dr. N.W., Atlanta, Ga. 30318.
- CLIFFORD, DR. WILLIAM BRAMWELL, II, b. Pittsburgh, Pa. Feb. 20, 41; m. 60; c. 2. SOCIOLOGY, DEMOGRAPHY. B.S. Grove City Col. 63; M.A. West Virginia, 65; Nat. Inst. Ment. Health trainee, Kentucky, 66-67, Nat. Defense Ed. Act summer fel, 67, Ph.D.(sociol), 69. Lectr. sociol, Kentucky, 67-68; instr. N.C. STATE, 68-69, ASST. PROF. SOCIOL. & DEMOG. 69- Sociol. Assn; Pop. Assn. Am. Social demography, particularly differential fertility behavior in family size preferences, contraceptive effectiveness and actual fertility. Publ: Co-auth, Rural industrialization: a case study in educational values and attitudes, West Virginia Univ. Agr. Exp. Sta. 66 & Mountain families in poverty, Univ. Kentucky Agr. Exp. Sta. 67. Address: Dept. of Sociology & Anthropology, North Carolina State University, Raleigh, N.C. 27697.
- CLIFTON, DR. (HESTER) STANLEY. Social Work. See A-K Vol. 11th ed. Soc. & Behav. Vols. New position & address: Prof. 69-, Dept. of Sociology, Angelo State University, San Angelo, Tex. 76901.
- CLINE, DR. DENZEL CECIL. Economics. See A-K Vol. 11th ed. Soc. & Behav. Vols. New information: Emer. prof. econ. Mich. State, 69-; Address: 134 Kennington Rd, East Lansing, Mich. 48823.
- CLINE, DEAN ROBERT S. b. Endicott, N.Y. Sept. 22, 19; m. 40; c. 1. BUSINESS ADMINISTRATION, INSURANCE. B.S. Syracuse, 48. Found. Econ. Ed. fel, & M.B.A., 49; S.S. Huebner Found. fel, Pennsylvania, 51-54, Ph.D.(ins), 55; C.I.U. Am. Col. Life Underwriters, 57; C.P.C.U. Am. Inst. Property & Liability Underwriters, 67. Prod. control, Int. Bus. Mach. Corp., 49; agent, Metrop. Life Ins. Co., 41-42; instr. Syracuse, 48-49; Missouri, 49-51; assoc. prof. ins. Ga. State Col. 55; Florida, 56-63, dir. bus. assoc. 55-66, prof. ins. & asst. dean col. bus. 58-66; DEAN COL. BUS. SOUTH FLORIDA, 66- U.S.N. LI. Risk & Ins. Econ. Assn; Brit. Chartered Ins. Inst. Publ: Co-auth, Property and liability insurance, Appleton, 68; auth. Maintaining property insurance markets, Annals Chartered Property & Casualty Underwriters, 7/66. Address: College of Business Administration, University of South Florida, Tampa, Fla. 33620.
- CLONTS, DR. HOWARD AUGUSTUS, JR. b. Selma, Ala. July 1, 40; m. 62; c. 2. AGRICULTURAL ECONOMICS. B.S. Auburn, 62, M.S. 63; Arizona, 63-64; Ph.D.(agr. econ), Va. Polytech, 69. Instr. AGR. ECON. Va. Polytech, 64-66; ASST. PROF. AUBURN, 66. Mem. South. Land Econ. Res. Cmt. 68- Agr. Econ. Assn. Land use and development; urbanization; land ownership and control; real estate taxation; land use and valuation; land tenure and agricultural leasing; agricultural policy; economics of natural resource use. Publ: Co-auth, Farming in the national capital region: maximum land values that complement open space, Va. Agr. Exp. Sta. Bull. Va. Polytech. Inst., 6/66; & Real property tax assessment in the rural-urban fringe, Va. Agr. Econ. Exten. Div. Va. Polytech. Inst. 1-3/70; auth. Farm Tenancy and Alabama Law, Ala. Agr. Exp. Sta. Circular, Auburn Univ. 6/70. Address: Dept. of Agricultural Economics, Auburn University, Auburn, Ala. 36830.
- CLOS, DR. MARJORIE CATHERINE, b. Louisville, Ky. June 21, 26; m. 52; c. 2. PSYCHOLOGY. B.S. Louisville, 48, M.A., 50; M.P.H. Minnesota, 58; Ph.D.(psychol), Southern Illinois, 63. Health educator, State Dept. Pub. Health, Ky. 50-52; dir. health ed. Louisville & Jefferson County Health Dept., 54-57; teaching asst. psychol, Southern Illinois, 59; chief ment. health ed. State Dept. Ment. Health, Ky. 60-63; dir. res. Cent. State Hosp. 63-65; psychologist, day hosp. New Orleans Ment. Health Center, La. 65-66; res. coordinator, Head Start, Merrill-Palmer Inst. 66-67; ment. health consult, State Dept. Ment. Health, Mich. 67-68; DIR. PROG. MENT. RETARDATION, CARO STATE HOME & TRAINING SCH., 68- Instr. Univ. Louisville, 54-56; prof. Delta Col. Psychol. Assn. Experimental analysis of behavior; utilization of operant conditioning techniques in treatment of the mentally ill and mentally retarded. Publ: Co-auth, Patients and staff undertake a joint improvement program, Ment. Hosp., 4/64 & The effects of trifluoroperidol on operant behavior of long-term schizophrenic patients, Current Therapeut. Res., 12/64. Address: Caro State Home & Training School, Luck Box A, Caro, Mich. 48723.
- CLOSE, DR. DARWIN B. b. Millersburg, Ohio, Dec. 24, 25; m. 47; c. 3. MANAGEMENT SCIENCE. B.S. Ohio, 48; Western Reserve, 56-62; M.A. Pennsylvania, 64, Ph.D.(econ. sci. & ins), 65. Managing partner, R.M. Close Ins. Agency, 52-62; asst. dir. MGT. SCI. INS. OF OHIO, 62-63. STATE, 65-69, ASSOC. PROF. 69- Address: Faculty of Management Sciences, Ohio State University College of Administrative Science, 1775 S. College Rd, Columbus, Ohio 43210.
- CLOSE, DR. FRANCIS ALAN, b. Newark, N.J. Jan. 5, 36; m. 62; c. 2. ECONOMICS. B.S. Fla. State, 61, Nat. Defense Ed. Act fel, 66-68, Ph.D.(econ), 68; M.Sc. Ga. Inst. Tech. 65. Bus. economist, Bur. Labor Statist., U.S. Dept. Labor, 61-63; ASST. PROF. ECON. CLEMSON, 68- Participant, seminar recent develop. appl. econ. grad. sch. bus. Univ. Chicago, summer 69. U.S.A.F. 56-60. Econ. Assn. Evolutionary Econ. Monetary economics; term structure of interest rates; stability of multiplier and velocity concepts; relative shares going to labor; economies of scale in higher education Publ: Co-auth, Comparative stability of velocity and the investment multiplier for Austria and Yugoslavia, Slavic Papers, Vol. 3, Fla. State Univ. 69 & Monetary velocity and investment multiplier stability relativity for Norway and Sweden, Statistisk Tidsskrift, 69. Address: Dept. of Economics, Clemson University, Clemson, S.C. 29631.
- CLUBB, DR. JEROME M. American History. See 5th ed. Dir. Am. Scholars, Vol. I, Hist.
- CLUCAS, GEORGE GORDON. Public Administration, Political Science. See A-K Vol. 11th ed. Soc. & Behav. Vols. New information: Dir. res. & develop,
- Calif. State Polytech. Col. San Luis Obispo, 66- New publ: California cities: comparative finance 1966-67, Sage Publ. 68. Address: 1727 Corralitos, San Luis Obispo, Calif. 93401.
- CLUFF, DR. GORDON L. b. Pima, Ariz., Dec. 13, 34; m. 60; c. 4. SOCIAL & BEHAVIORAL SCIENCE. Fel. Southern Illinois, 59, Ph.D.(speech path. & audiol), 66. Asst. prof. SPEECH PATH. & AUDIOL, ARIZONA STATE, 63-68, ASSOC. PROF. 68- Consult, 63. Speech & Hearing Assn. Psychosomatics; experimental audiology. Publ: Co-auth, The effect of speech hearing level on speech discrimination in sensorineural hypacusis, 9: 32-34 & auth, A comparison of selected methods of determining speech interference calculated by the articulation index, 9: 81-88, J. Auditory Res. Address: Dept. of Speech, Arizona State University, Tempe, Ariz. 85281.
- CLULOW, DR. FRANK VICTOR. Zoology, Animal Behavior. See Suppl. VI to 11th ed. Phys. & Biol. Vols.
- CLUTE, PROF. LAUREN VAN EPS. Industrial Economics. See A-K Vol. 11th ed. Soc. & Behav. Vols. New information: Also acting head, 68-, Dept. of Economics, St. Lawrence University, Canton, N.Y. 13617.
- CLYMAN, DR. BERNARD. Economics. See A-K Vol. 11th ed. Soc. & Behav. Vols. New position: Asst. v-pres, Equitable Life Assurance Soc. of U.S. 69- Address: 18 Oaks Hunt Rd, Great Neck, N.Y. 11020.
- CLYMER, PROF. THEODORE WILLIAM. Educational Psychology. See A-K Vol. 11th ed. Soc. & Behav. Vols. Change of address: Dept. of Elementary Education, University of Minnesota, Minneapolis, Minn. 55455.
- CNUDE, DR. CHARLES F. b. Macomb Co. Mich. Feb. 12, 38; m. 61; c. 2. POLITICAL SCIENCE. B.A. Michigan, 60; Ph.D.(polit. sci), North Carolina, 67. Res. asst. POLIT. SCI. inst. res. soc. sci. North Carolina, 63-64, teaching asst. Univ., 64-66; ASST. PROF. California, Irvine, 66-68; WASHINGTON MADISON, 68-, vis. lectr., summer 67. Calif. election analyst, inst. res. soc. sci. Univ. North Carolina, 68, exec. cmt. Inter-Univ. Consortium for Polit. Res., Ann Arbor, Mich. 69-69. Polit. Sci. Assn. Pub. Opinion Res. Theories and methods of testing elite-non-elite relationships. Publ: Co-auth, Empirical democratic theory, 69 & auth, Dealing with the American South, 70. Markham; Elite-mass relationships and democratic roles of the game, Am. Behav. Scientist, 69. Address: 2237 Eton Ridge, Madison, Wis. 53705.
- COATE, DR. WILLIAM B(LEECKER). Experimental Psychology. See 12th ed. Phys. & Biol. Vols.
- COATES, DR. NORMAN. Industrial Relations. See A-K Vol. 11th ed. Soc. & Behav. Vols. New information: Ford Found. vis. prof. bus. admin. Instituto de Estudios Superiores de Administracion, Caracas, Venezuela, 68- also prof. specialist, Latin Am. Prog. Ford Found. Address: c/o Ford Foundation, 320 E. 43rd St, New York, N.Y. 10017.
- COBB, PROF. HENRY (VAN ZANDT). Psychology. See A-K Vol. 11th ed. Soc. & Behav. Vols. New position: V-pres. acad. affairs, 69-, University of South Dakota, Vermillion, S.Dak. 57069.
- COBB, DR. LARRY (RUSSELL). b. Clendenin, W.Va. Nov. 7, 38; m. 60; c. 2. POLITICAL SCIENCE. B.A. West Virginia, 61; fel. John Dewey Res. Center, 63-64; M.A. Southern Illinois, 64, Ph.D.(govt), 67. Instr. philos. & soc. sci. Glensville State Col. 64-65; govt, Southern Illinois, 66-67; asst. prof. POLIT. SCI. SLIPPERY ROCK STATE COL., summer 67, ASSOC. PROF. 67-, chmn. dept. 68-70, assoc. dean sch. arts & sci. 69-70. Faculty Affairs Cmt. travel grant, Taiwan, Summer 68. Mem. exec. cmt. Pa. Intercollegiate Conf. on Govt., 67-69, Found. Creative Philos., 68-, mem. bd. adv. Center Study Creative Interchange, 68-, mem. Regional Conf. Int. Ed. 68- Polit. Sci. Assn. Structure of political change and innovation in Chinese political systems in the twentieth century. Address: Box 82, Harrisville, Pa. 16038.
- COBB, DR. ROGER W. POLITICAL SCIENCE. B.A. Washington, 62; M.A. California, Los Angeles, 64; Ph.D.(polit. sci), Northwestern, 67. ASST. PROF. POLIT. SCI. PENNSYLVANIA, 67- Political psychology; empirical theory. Publ: Co-auth, Two levels of community, 70 & Agenda building, 70, Holt. Address: Dept. of Political Science, University of Pennsylvania, Philadelphia, Pa. 19104.
- COBIA, DR. DAVID WOODRUFF, b. Cardston, Alta. Feb. 25, 34; U.S. citizen; m. 61; c. 3. AGRICULTURAL ECONOMICS. B.S. Brigham Young, 60; M.S. Purdue, 63, Ph.D.(agr. econ), 67. ASSOC. PROF. AGR. ECON. N.D.A.K. STATE, 67, U.S.A. 56-58. Agr. Econ. Assn. Mkt. Assn. Marketing, agricultural management; cooperatives. Publ: Co-auth, An application of equilibrium size of plant analysis to fluid milk processing and distribution, J. Farm Econ, 2/64 & Mergers and diversified growth of large grain firms, Amer. J. Agr. Econ, 8/69; auth, Economics of agricultural aviation operations, Proc. Fourth Int. Agr. Aviation Cong. (in press). Address: Dept. of Agricultural Economics, North Dakota State University, State University Station, Fargo, N.Dak. 58102.
- COBURN, DR. HERBERT (HENRY). Psychology. See A-K Vol. 11th ed. Soc. & Behav. Vols. New position: Assoc. prof. behav. sci. N.Y. Inst. Tech. 69- Address: 185 West End Ave, New York, N.Y. 10023.
- COCHRAN, PROF. KENDALL (PINNEY). Economics. See A-K Vol. 11th ed. Soc. & Behav. Vols. New information: Also chmn. 69-, Dept. of Economics, North Texas State University, Box 5172 N.T. Station, Denton, Tex. 76203.
- COCHRAN, DR. SAMUEL WARREN, b. Waynesboro, Miss. Aug. 1, 21; m. 45; c. 2. PSYCHOLOGY. B.A. Miss. Col. 47; M.A. George Peabody Col. 48; Ph.D.(exp. psychol), Ohio State, 63. Instr. psychol, Miss. Col. 49-50, asst. prof. 50-51, asst. prof. 51-52; res. assoc. human factors, Edwards Air Force Base, 59-60; assoc. prof. PSYCHOL., U.S. Air Force Acad., 60-68; res. assoc. Rand Corp. 66-69, ASSOC. PROF. EAST TEXAS STATE, 69- Consult, Rand Corp. 69- U.S.A.F. 40-45, 53-59, Lt. Col. Psychol. Assn. Human factors; experimental design; learning environment; group dynamics.

- Publ: Co-auth. Conditioned stimulus flash rate and efficiency of conditioning, *J. Comp. & Physiol. Psychol.*, 60; auth. Rated association values of 251 colors, *J. Verbal Learning & Verbal Behav.*, 68; co-auth. The Delphi method, II: structure of experiments, Rand Corp., 69; Address: Dept. of Psychology, East Texas State University, Commerce, Tex. 75428.
- COCKCROFT, DR. JAMES DONALD. Latin American History. See 5th ed, Dir. Am. Scholars, Vol. I, Hist.
- CODY, PROF. JOHN JAMES, b. La Crosse, Wis. June 10, 30; m. 55; c. 4. EDUCATIONAL PSYCHOLOGY. B.S. Wis. State, La Crosse, 56; M.A. Iowa, 59; Ph.D. (counseling), Wisconsin, 61. Asst. prof. couns. ed. Indiana, Bloomington, 61-65; assoc. prof. Ed. PSYCHOL. SOUTHERN ILLINOIS, 65-67. PROF. & CHM. DEPT., 67- Dir. A Planning Grant Eldorado, Ill., 66-67. Psychol. Asn. Personnel & Guid. Asn. Counseling outcomes and training procedures; measurement of intelligence. Publ. Co-auth. Educational psychology: a behavioral approach, Merrill, 69; auth. Appraisal of disadvantaged youth. In: Counseling the disadvantaged youth, Prentice-Hall, 68. Address: Dept. of Guidance & Educational Psychology, Southern Illinois University, Carbondale, Ill. 62901.
- COE, PAUL FRANCES. Economics, Statistics. See A-K Vol. 11th ed, Soc. & Behav. Vols. New position: Spec. asst. housing div, Bur. Census, Wash, D.C. 69- Address: 601 N. Buchanan St, Arlington, Va. 22203.
- COE, DR. ROBERT STANFORD. Psychology. See A-K Vol. 11th ed, Soc. & Behav. Vols. New position: Asst. Prof. & Asst. Dir., Dept. of Business Administration, Angelo State University, San Angelo, Tex. 76901.
- COELHO, DR. GEORGE V(ICTOR). Social & Clinical Psychology. See A-K Vol. 11th ed, Soc. & Behav. Vols. New position: Specialist behav. sci. 69-, Office of Assistant Director for Extramural Programs & Behavioral Sciences, National Institute of Mental Health, Barlow Bldg, Room 14 A-01, 5454 Wisconsin Ave, Chevy Chase, Md. 20203.
- COFER, PROF. CHARLES N(ORVAL). Psychology. See A-K Vol. 11th ed, Soc. & Behav. Vols. Change of address: Pennsylvania State University, 450 Psychology Bldg, University Park, Pa. 16802.
- COFFMAN, DR. WILLIAM E(UGENE). Educational Psychology. See A-K Vol. 11th ed, Soc. & Behav. Vols. New position & address: E.F. Lindquist prof. ed. measurement & dir. Iowa testing prog, 69-, University of Iowa, N102 East Hall, Iowa City, Iowa 52240.
- COGAN, DR. DENNIS CLARK. Experimental Psychology. See A-K Vol. 11th ed, Soc. & Behav. Vols. New position: Assoc. prof., 69-, Dept. of Psychology, Texas Tech University, Lubbock, Tex. 79407.
- COGAN, DR. JOHN JOSEPH, b. Youngstown, Ohio, May 30, 42; m. 63; c. 1. EDUCATION. B.S. Ed. Kent State, 63; M.A. Ohio State, 65; U.S. Civ. Ed. fel. 66-67, Ph.D., 69. Teacher pub. schs. Ohio, 63-65; asst. elem. ed. Ohio State, 65-66; acting dir. soc. sci. consortium, Asn. Am. Geographers, 67, dir. proj. II, 67; teaching assoc. ELEM. Ed. Ohio State, 68; ASST. PROF., Wittenberg, 68-69; MINNESOTA, MINNEAPOLIS, 69- Critical thinking; citizenship education; political socialization; values. Address: 101 Burton Hall, University of Minnesota, Minneapolis, Minn. 55455.
- COGGESHALL, ROBERT WALDEN. Political Science, Public Administration. See A-K Vol. 11th ed, Soc. & Behav. Vols. New information: Independent consultant, 69- Address: Ballentine, S.C. 29002.
- COHEN, DR. BERNARD, b. Suffern, N.Y., Nov. 16, 37; m. 60; c. 4. SOCIOLOGY, CRIMINOLOGY. B.A. Yeshiva, 59; M.A., 61; A.M. Pennsylvania, 64, fel. 66-68, Ph.D. (sociol.), 68. Lectr. criminol., Pennsylvania, 66-68; ASST. PROF. SOC. SCI., QUEENS COL. (N.Y.) & SOC. SCIENTIST, RAND INST., NEW YORK, N.Y., 68- Consult. Dept. Health, Ed. & Welfare, 67-68. Sociol. Asn. Juvenile delinquency: police personnel flow and incentive reward systems. Publ. Co-auth. Crime and race, Inst. Human Rel., 70; auth. The sociology of delinquent gangs and spontaneous groups & interethnic conflict: the offender. In: Delinquency: selected studies, Wiley, 69. Address: 55-25 98th Place, Rego Park, N.Y. 11368.
- COHEN, DR. CHARLES P., b. New York, N.Y., Oct. 3, 33; m. 57; c. 3. PSYCHOLOGY. B.A. City Col. New York, 54, M.S., 58; D.Phil. Kansas, 63. Staff psychologist, ed. Admin. Center, 63-67; ASST. PROF. CLIN. PSYCHOL., HOUSTON, 67- Lectr. exten. div., Kansas, 63-66. Psychol. consult. Head Start Prog., Houston, 67-68; Tex. Res. Inst. Ment. Sci., 67-; res. consult. Vet. Admin. Hosp., 69- Psychol. Asn. Personality patterns of drug abusers; interpersonal factors in emergent leaders of human relations training laboratories; personality patterns of clients at university counseling service. Publ. Correspondence course—introductory psychology, Exten. Div., Univ. Kansas, 63; co-auth. Psychological barriers to communication in drug-abusers, Symp. Drug Abuse, Rutgers, 69 & Psychological set and communication in drug abusers, Symp. Drug & Alcohol Addiction, Sidney, Australia, 70. Address: Dept. of Psychology, University of Houston, Houston, Tex. 77004.
- COHEN, DR. DANIEL, b. New York, N.Y., Dec. 13, 32; m. 56; c. 2. EDUCATIONAL PSYCHOLOGY. B.A., N.Y. Univ., 55, M.A., 59, Ph.D. (guid. admin), 67. Teacher, sec. schs., N.Y., 56-67; ASST. PROF. Ed. PSYCHOL., PACE COL., 67-; DIR. N.Y. TESTING & GUID. CENTER, 64- Dir. visual psychol. Inst. Visual Psychology & Optics, 68- Psychol. Asn. Personnel & Guid. Asn. Nat. Voc. Guid. Asn. Asn. Royal Soc. Health. Motivations underlying educational-vocational choices; theories on how people learn and why they don't learn; Olivier classification system of styles of learning. Publ. Auth. Motivations underlying vocational choice, *J. Ed. Res.*, 70. Address: 209-83 18th Ave, Bayside, N.Y. 11360.
- COHEN, DANIEL. Economics. See A-K Vol. 11th ed, Soc. & Behav. Vols. Change of address: 1400 Winding Way Lane, Silver Spring, Md. 20902.
- COHEN, DR. DOROTHY, b. Bronx, N.Y., Jan. 28, 18; m. 42; c. 2. MARKETING, BUSINESS. B.A., Brooklyn Col., 39; M.B.A., Hofstra, 58; Ph.D. (bus), Columbia, 67. Lectr. MKT. Sch. Gen. Studies, Columbia, 61-62; asst. prof. HOFSTRA, 62-67; ASSOC. PROF., 67- Mkt. Asn. Legal developments in advertising regulation of unfair practices; consumer protection; regulatory commissions. Publ. The Federal Trade Commission and the regulation of advertising in the consumer interest, *J. Mkt.*, 1/69; column, Regulation of unfair practices, *quart. J. Mkt.*; ed. Communication systems between management and the consumer in selected industries, Yearbook of Bus. Hofstra Univ., 69. Address: Dept. of Management, Marketing & Business Studies, Hofstra University, Hempstead, N.Y. 11550.
- COHEN, DR. EDWIN. Clinical Psychology, Speech Pathology. See A-K Vol. 11th ed, Soc. & Behav. Vols. New position: Chief psychol. serv. Vet. Admin. Hosp., Gainesville, 68-; assoc. prof. clin. psychol., Florida, 68- Address: Veterans Administration Hospital, Gainesville, Fla. 32601.
- COHEN, DR. EDWIN. Psychology. See A-K Vol. 11th ed, Soc. & Behav. Vols. New information: Lectr. bus. enterprise, State Univ. N.Y., Binghamton, 68- Address: Link Group, Singer Co., Binghamton, N.Y. 13902.
- COHEN, PROF. FRED. Law, Behavioral Science. See 5th ed, Dir. Am. Scholars, Vol. IV, Philos. Relig. & Law.
- COHEN, PROF. IRA S(TANLEY). Psychology. See A-K Vol. 11th ed, Soc. & Behav. Vols. New information: Provost, 69-, Faculty of Social Sciences, State University of New York at Buffalo, Buffalo, N.Y. 14214.
- COHEN, PROF. JEROME ALAN. Law, Chinese Studies. See 5th ed, Dir. Am. Scholars, Vol. IV, Philos. Relig. & Law.
- COHEN, PROF. JOSEF. Psychology. See A-K Vol. 11th ed, Soc. & Behav. Vols. New position: Prof. psychol., Illinois, Champaign. Address: 303 Burkwood Court West, Urbana, Ill. 61801.
- COHEN, DR. MARVIN. Pharmacology, Psychopharmacology. See Suppl. VI to 11th ed, Phys. & Biol. Vols.
- COHEN, PROF. MORRIS HAROLD. Political Science. See A-K Vol. 11th ed, Soc. & Behav. Vols. New information: Asst. chmn., 69-, Dept. of History, Government & International Relations, Clark University, Worcester, Mass. 01610.
- COHEN, DR. ROSALIE A. Sociology. See A-K Vol. 11th ed, Soc. & Behav. Vols. New position: Assoc. prof. & administ. Ph.D. & res. consultant, grad. sch. soc. work, Pittsburgh, 69- Address: 6301 Bartlett St, Pittsburgh, Pa. 15217.
- COHEN, DR. SHELDON MORRIS. Psychology. See A-K Vol. 11th ed, Soc. & Behav. Vols. New position & address: Assoc. prof., 69-, Dept. of Psychology, Jacksonville University, Box 27, Jacksonville, Fla. 32211.
- COHEN, DR. STEPHEN P., b. Chicago, Ill., Mar. 9, 36; m. 58; c. 3. POLITICAL SCIENCE. B.A. Chicago, 58, M.A., 59; Ph.D. (polit. sci.), Wisconsin, 67. ASST. PROF. POLIT. SCI. & ASIAN STUDIES, ILLINOIS, URBANA, 65- Sr. fel. Am. Inst. Indian Studies, 68-69. Asn. Asian Studies; Polit. Sci. Asn. Role of military in developing societies, especially South Asia, including relationship to social system and policy making. Publ. The train meet: the British Indian Army, Univ. Calif., 70; Issue, role and personality. Comp. Studies Soc. & Hist. 68; The untouchable soldier: caste and politics in the Indian Army, *J. Asn. Studies*, 69. Address: Dept. of Political Science, University of Illinois, Urbana, Ill. 61801.
- COHN, DR. BARBARA NORFLEET. Psychology. See A-K Vol. 11th ed, Soc. & Behav. Vols. New pub. Six speak, Cambridge Civic Assn, 67. Address: 79 Raymond St, Cambridge, Mass. 02140.
- COHN, DR. ELCHANAN, b. Tel-Aviv, Israel, Jan. 16, 41; m. 63; c. 1. ECONOMICS. B.A. Minnesota, 63, M.A., 65; Ph.D. (econ.), Iowa State, 68. Instr. & res. assoc. ECON. Iowa State, 67-68; ASST. PROF., PA. STATE, 68- Econ. Asn. Economics of education & health; economics of poverty and manpower research. Publ. Economics of scale in low high school operations, *J. Human Resources*, fall 68. Address: 411 Boucke Bldg, Pennsylvania State University, University Park, Pa. 16802.
- COHN, DR. JULES. Political Science. See A-K Vol. 11th ed, Soc. & Behav. Vols. New position: Sr. urban res. scientist, McKinsey & Co., 69- Address: 4 Washington Square Village, Apt. 3-P, New York, N.Y. 10012.
- COKER, DR. DAVID L(EE), b. White Hall, Ill., Apr. 13, 37; m. 61; c. 1. PSYCHOLOGY. B.S., Western Illinois, 59; M.A. Iowa, 61; Ed.D. (counseling), Indiana, 66. Head couns. res. counseling prog., Iowa, 59-61; assoc. head couns. res. counseling prog., Indiana, Bloomington, 61-63; couns. univ. counseling serv., 64-66; counseling psychologist, Indiana, Indianapolis, 63-64; ASSOC. PROF. PSYCHOL. & DIR. COUNSELING CENTER, WIS. STATE, STEVENS POINT, 66- Teacher & couns. Wis. State Univ. Semester Abroad Prog., Eng. & vis. lectr., Maria Grey Col. & Borough Road Col., 69. Res. consult. Consortium Res. Develop. for State Univs., Wisconsin, 66-67; consult. & coordinator, Agency Int. Develop. & Wis. State Univ. Found. Inc. Seminars Higher Ed. for South Vietnamese univs, 67, 68 & 69. Personnel & Guid. Asn. Psychol. Asn. College and university environments and attrition; counselor education. Address: Counseling Center, Wisconsin State University, Stevens Point, Wis. 54481.
- COLAIZZI, DR. PAUL FRANCIS, b. Pittsburgh, Pa., May 7, 38; m. 67; c. 1. PSYCHOLOGY, PHILOSOPHY. B.A., Duquesne, 63, M.A., 65, Ph.D. (psychol.), 69. Res. asst. PSYCHOL., Duquesne, 63-65, teaching asst., 65-68; ASST. PROF., Va. Commonwealth Univ., 68-70; DUQUESNE, 70- U.S.M.C., 66-69. Psychol. Asn. Cognitive psychology, foundations of research in scientific psychology and historical origins of current psychological beliefs

from the theoretical perspective of existential phenomenology. Publ: The descriptive methods and the types of subject matter of a phenomenologically based psychology: exemplified by the phenomenon of learning. Univ. Microfilms, 70; Analysis of the learner's perception of learning material at various phases of a learning process. Rev. Existential Psychol. & Psychiat., spring 67; Re-examination of meaningfulness in luminous phenomena, Perceptual & Motor Skills, 69. Address: Dept. of Psychology, Duquesne University, Pittsburgh, Pa. 15219.

COLBERG, PROF. MARSHALL R(UDOLPH). Economics. See A-K Vol, 11th ed, Soc. & Behav. Vols. New Publ: Co-auth. Business economics: principles and cases, Irwin, 4th ed, 70. Address: Dept. of Economics, Florida State University, Tallahassee, Fla. 32306.

COLBY, PROF. MARY McRAE. Geography. See A-K Vol, 11th ed, Soc. & Behav. Vols. New position & address: Prof., 69-, Dept. of Geography, Clarion State College, Clarion, Pa. 16214.

COLCORD, DR. FRANK CARLTON, JR. Political Science. See A-K Vol, 11th ed, Soc. & Behav. Vols. New position & address: Assoc. prof. & chmn. dept, 69-, Tufts University, Eaton Hall, Medford, Mass. 02155.

COLE, DR. CLETUS A(ELRED). Clinical Psychology. See A-K Vol, 11th ed, Soc. & Behav. Vols. Change of address: 1115 Graydon Ave, Norfolk, Va. 23507.

COLE, DR. DAVID C(HAMBERLIN). Economics. See A-K Vol, 11th ed, Soc. & Behav. Vols. New information: Econ. adv. to govt. Indonesia, Harvard Develop. Adv. Serv., 68- Address: c/o Ford Foundation, P.O. Box 2030, Djakarta, Indonesia.

COLE, DR. DAVID LEE, b. Lansing, Mich. June 11, 40; m. 65. AGRICULTURAL ECONOMICS. B.B.A. & B.Agr. Minnesota, 62; Continental Grain & Nat. Defense Ed. Act fcls, M.A. & Ph.D.(econ. agr. econ), Wisconsin, 66. Res. asst. AGR. ECON, Wisconsin, 62-66; ASST. PROF. MICH. STATE, 66-Found. Econ. Ed. summer fel. 68. Agr. Econ. Asn. Marketing management for firms working in agriculturally related fields; Improving efficiency of marketing systems. Publ: Co-auth. Proposed standards and guidelines for cooperative feeder cattle sales, Mich. State Univ., 68 & Factors affecting prices paid for feeder cattle at Michigan cooperative feeder cattle sales, J. Animal Sci., 69; auth. The effect of merchandising methods on the sale of feeder cattle at cooperative sales, Am. J. Agr. Econ., 69. Address: 2219 Iroquois St, Okemos, Mich. 48864.

COLE, DR. DONALD PRESTON, b. Kearny, N.J. Dec. 1, 37. ECONOMICS. A.B. Drew, 59; M.A. Montana, 61; Ph.D.(econ), Ohio State, 68. Asst. econ. Montana, 59-61; econ. analyst, Bankers Trust Co., summer 62; instr. econ, Upsala Coll., 62-63; asst. instr., Ohio State, 63-66; RES. DIR. SEMESTER ON EUROPEAN COMMUNITY, DREW UNIV-INSTR. EUROPEAN STUDIES, BRUSSELS, BELGIUM, 66-; ASST. PROF. ECON, DREW, 68- Econ. consult. Select Com. Govt. Res. U.S. House Rep., summer 64; Megistos Trade Study Group, Univ. Brussels, 66; teaching consult. Bell Tel. Labs, N.Y., 69-70. U.S.A.F.R., 62-68. Econ. Asn. Monetary theory; European economic integration. Publ: Ed. Megistos: a world forecasting model for income and trade in 1975, North-Holland, 70; sr. staff writer, The impact of federal research and development programs, Select Com. Govt. Res., 64; auth. The demand for denominations of U.S. currency, 1914-65, J. Finance, 3/70. Address: Dept. of Economics, Drew University, Madison, N.J. 07940.

COLE, DR. HUGH M(ARSHALL). Military History. See 5th ed, Dir. Am. Scholars, Vol. 1, Hist.

COLE, DR. JAMES EDWARD. Ethology, Vertebrate Zoology. See Suppl. VI to 11th ed, Phys. & Biol. Vols.

COLE, DR. JAMES K(MURROUGH). Clinical Psychology. See A-K Vol, 11th ed, Soc. & Behav. Vols. New information: Also dir., 69-, Clinical Psychology Training Program, University of Nebraska, Lincoln, Neb. 68508.

COLE, DR. JONATHAN R, b. New York, N.Y. Aug. 27, 42; m. 68. SOCIOLOGY. B.A. Columbia, 64; univ. fel. 64-65; Nat. Inst. Ment. Health fel. 65-69, Ph.D.(sociol.), 69. ASST. PROF. SOCIOLOGY, COLUMBIA, 69- Sociol. Asn. Problems in the sociology of science, social stratification and methodology. Publ: Co-auth. Scientific output and recognition, 67 & Visibility and structural bases of awareness of scientific research, 68, Am. Sociol. Rev.; Measuring the quality of sociological research, Am. Sociologist, 11/70. Address: 440 Riverside Dr, New York, N.Y. 10027.

COLE, PROF. L(AWRENCE) E(DWIN). Psychology. See A-K Vol, 11th ed, Soc. & Behav. Vols. Correction in address: 400 Clayton Rd, Chapel Hill, N.C. 27514.

COLE, PROF. LOIS HELEN, b. Bonham, Tex. Dec. 12, 13; m. 41. BUSINESS ADMINISTRATION. B.A. North Texas State, 34; M.A. Southwest Texas State, 50; Ph.D.(bus. adm.), Texas, Austin, 54; summers, California, Berkeley & Fresno State Coll., 58, San Francisco State Coll., 58-59 & California, Los Angeles, 59; cert. Int. Bus. Mach. Ed. Center, Los Angeles, 61, Las Vegas, 62. Teacher, high schs. & Methodist home, Tex. 34-39; teacher, high sch. Tex. 42-54, prin. 41-42; teacher & asst. prin. U.S. Army Dependents Sch. Rochefort, France, 54-55; prof. bus. admin. & chmn. dept. Midwestern, 55-57; dean women & counsr. Counseling Jr. Col. Calif., 57-58; dean girls & counsr. high sch. Calif., 58-60; asst. prof. bus. admin. Nevada, Las Vegas & Reno, 60-63; comput. programmer & sr. analyst, Edgerton, Germeshausen & Grier, Nev. 63-64; assoc. prof. bus. ed. & secretarial admin. Tex. Tech. Coll., 64-65; prof. BUS. ADMIN. & dir. dept. Angelo State, 65-70; PROF. SUL ROSS STATE, 70- Scholar. Tex. Econ. Workshop; Pioneer Title Ins. Co. grant-in-aid. Electronic Data Processing Courses; Bur. Bus. & Econ. Res. grant-in-aid. Nevada. Off. mgr. U.S. Govt. Prog., Dallas, Tex. 35; owner & operator, Cole Theatres, Tex. 41-54; private real estates projts, Nev. & Tex. 60- Suppr. prog., Nat. Acad. Sci., 64. Nat. Bus. Ed. Asn. Offerings in com-

puter science in American colleges and universities; certification and secretaries. Publ: A survey of college data processing, courses and degrees, 63 & co-auth. Edgerton, Germeshausen & Grier capital equipment inventory for 1604B control data computer, 64, Atomic Energy Cmn.; auth. Self-realization for legal secretaries, Tex. Assn. Legal Secys. Docket, 9/68; plus others. Address: 411 June St, Alpine, Tex. 79831.

COLE, DR. NYLA J. Psychiatry. See Suppl. VI to 11th ed, Phys. & Biol. Vols.

COLE, DR. ROBERT E, b. Oct. 14, 37; U.S. citizen, m. 61; c. 2. SOCIOLOGY. B.A. Hobart Coll., 59; Brunsviks Folk High Sch., Sweden, 60-61; M.A. Illinois, 62, Ph.D.(sociol.), 67; Kelo-Ilinois Proj. fel. Stanford, 64, Japan, 65-66. ASST. PROF. SOCIOLOGY, CENTER JAPANESE STUDIES, MICHIGAN, 67- Participant, Detroit area study annual survey & comp. careers study & Yokohama counterpart financed by Rackham Sch. Univ. Michigan, 69-70. Asn. Asian Studies. Theory of industrialization and social change, especially in Japan. Publ: Japanese blue-collar: the changing tradition, Univ. Calif., 70. Address: Dept. of Sociology, 3057 Literature, Science and Arts Bldg., University of Michigan, Ann Arbor, Mich. 48104.

COLE, DR. SHERWOOD ORISON, b. North Scituate, R.I., May 28, 30; m. 52; c. 2. PSYCHOLOGY. B.A., California, Santa Barbara, 58; U.S. Pub. Health Serv. grant, California, Los Angeles, 58-60, M.A. 61; U.S. Pub. Health Serv. grant, Claremont Grad. Sch., 62-63, Ph.D.(psychol.), 64. Asst. prof. PSYCHOL., Biola Coll., 61-65; assoc. prof. Whitworth Coll., 65-66; asst. prof. RUTGERS, 66-67, ASSOC. PROF. & CHMN. DEPT., 67- Asst. prof., Fullerton State Coll., 64; proj. dir. Nat. Sci. Found. instr. sci. equip. grant, Rutgers, 67-68. Hosp. C, U.S.N., 51-54. AAAS; Psychol. Asn. Psychopharmacology: brain mechanisms and behavior; physiological basis of behavior. Publ: Increased suppression of food intake by amphetamine in rats with anterior hypothalamic lesions, J. Comp. & Physiol. Psychol., 61; 302, Experimental effects of amphetamine: a review, Psychol. Bull., 68; 81 & Brain mechanisms and depressant action of amphetamine on feeding behavior, Psychol. Reports, 23: 775. Address: Dept. of Psychology, Rutgers University, Camden, N.J. 08102.

COLE, DR. STEPHEN, b. New York, N.Y. June 1, 41; m. 69. SOCIOLOGY. B.A., Columbia Coll., 62; Ph.D.(sociol.), Columbia, 67. Instr. SOCIOLOGY, Columbia, 66-67, asst. prof. 67-68; STATE UNIV. N.Y. STONY BROOK, 68-70, ASSOC. PROF. 70- Consult. Soc. Welfare Res. Coun. 66-68; res. assoc. prog. sociol. of sci., Columbia, 66-68; AAAS; Sociol. Asn. Sociology of science, education and professions; methodology. Publ: The unionization of teachers: a case study of the UFT, Praeger, 69; co-auth. Scientific output and recognition, 67 & Visibility and the structural bases of awareness of scientific research, 68, Am. Sociol. Rev. Address: Dept. of Sociology, State University of New York at Stony Brook, Stony Brook, N.Y. 11790.

COLEMAN, MILES L(ANIER). Economics. See A-K Vol, 11th ed, Soc. & Behav. Vols. New information: Chmn. President's Task Force on Urban Renewal, 69-70. Address: 1707 H St. N.W., Washington, D.C. 20006.

COLEMAN, DR. RALPH O, JR, b. Corvallis, Ore. Dec. 9, 31; m. 64; c. 1. SPEECH PATHOLOGY/AUDIOLOGY. B.S. Oregon State, 54; M.S. Oregon, 60; Ph.D.(speech path.), Northwestern, 63. Asst. prof. speech path., Nebraska, 63-65; res. speech pathologist, Lancaster Cleft Palate Clin., 65-66; ASSOC. PROF. SPEECH PATH., MED. SCH. UNIV. OREGON, 66- Speech & Hearing Asn.; Cleft Palate Asn. Speech characteristics of persons with palatal clefts, especially the changes that occur in the acoustic spectrum of the speech of such persons. Address: Dept. of Speech Pathology, University of Oregon Medical School, Portland, Ore. 97201.

COLENTATY, CHARLES ALBERT, b. Berkeley, Calif. Sept. 28, 25; m. 65; c. 4. PSYCHOLOGY. B.A., Southern California, 47, M.A., 49. Statistician, Los Angeles County Probation Dept., 49-53; lines layout inspector, Douglas Aircraft Co., Inc. 53-54; psychologist, Dwight Palmer & Assoc., 54-57; co-owner. Colenaty, Swaffield and Cheresch, Inc. 57-58; Counsr. to Mgt., Inc. 58-63. OWNER, MGT. COUNSR. ASSOC., 63- Instr. Pierce Jr. Col., 68- U.S.N.R., 43-45. Psychol. Asn.; Acad. Psychosom. Med. Development and research in psychological testing; industrial consultation: effects of stress on human behavior; psychophysiological research and ethology; statistics; test construction; personnel testing and evaluation. Publ: The design perception cards: a numerically scored projection technique for use in business and industry, 66; The design perception cards as a predictor of sales ability, 68 & The design perception cards as a predictor of work performance of female sales attendants, 68, Perceptual & Motor Skills. Address: Management Consultants Associates, 12121 Wilshire Blvd, Los Angeles, Calif. 90025.

COLES, DR. EDWARD MICHAEL, b. London, Eng. Feb. 5, 37; m. 62; c. 2. PSYCHOLOGY. B.Sc. London, 60, Ph.D.(psychol.), 64. Cntrl. psychol. inst., McGill Hosp. Eng. 60-61; Woodlands Sch. B.C. 61-62; Instr. psychiatrist, British Columbia, 64-67; ASST. PROF. PSYCHOL., SIMON FRASER UNIV., 67- Psychologist, univ. student health serv., Univ. British Columbia, 64-66; Children's Hosp., Vancouver, B.C. 65-67; consult. psychologist, Riverview Hosp., 68- Brit. Army, 55-57. Am. Psychol. Asn.; assoc. Brit. Psychol. Soc. Psycho-pathology & Bus. Co-auth. Mechanisms and measurement of the autonomic skin response, Psychol. Bull., 66. Address: Dept. of Psychology, Simon Fraser University, Burnaby 2, B.C., Can.

COLES, PROF. FLOURNOY ARTHUR, JR. Economics, Systems Analysis. See A-K Vol, 11th ed, Soc. & Behav. Vols. New information: Prof. & chmn. dept. econ. & bus. admin. Fisk prof. mgt. grad. sch. mgt., Vanderbilt, 69- Address: Dept. of Economics, Fisk University, Nashville, Tenn. 37203.

COLES, PROF. ROSWELL S(STRONG). Sociology. See A-K Vol, 11th ed, Soc. & Behav. Vols. New information: Retired, Wagner Coll., 70; independent hist. res. 70- Address: Box 376, Highland Lakes, N.J. 07422.

COLFAX, DR. JOHN DAVID. Sociology. See A-K Vol, 11th ed, Soc. & Behav. Vols. New position & address: Assoc. prof., 69-, Dept. of Sociology, Washington University, St. Louis, Mo. 63130.

- COLIE, DR. STUART EDGAR. Political Science. See A-K Vol, 11th ed, Soc. & Behav. Vols. New position & address: Assoc. prof., 69-, Dept. of Political Science, Central Connecticut State College, 1615 Stanley St, New Britain, Conn. 06050.
- COLLARD, DR. ROBERTA RANDALL, b. Lamesa, Tex., Oct. 7, 17. DEVELOPMENTAL PSYCHOLOGY. B.S., Texas, 40; Kansas, 40-41; fel. Chicago, 59-60, Ph.D. (human develop), 62. Instr. CHILD DEVELOP., Oregon State, 61; British Columbia, summer 61; ASST. PROF., California, Davis, 62-67; MASSACHUSETTS, 68. Psychol. Assn.; Soc. Res. Child Develop. Play and curiosity in infants; early cognitive development; creativity; sensory and maternal deprivation; stranger fear; aggression; early group formation. Publ.: Intelligence, creativity, and emotional adjustment in young children, N.C.A.N.E. Bull, 63; Fear of strangers and play behavior in kittens with varied social experience, 67 & Social and play responses of first-born and later-born infants in an unfamiliar situation, 68, Child Develop. Address: Dept. of Human Development, University of Massachusetts, Amherst, Mass. 01002.
- COLLAZO-COLLAZO, DR. JENARO, b. Orocuvo, P.R. Sept. 20, 32. U.S. CITIZENSHIP, AGRICULTURAL ECONOMICS. B.A., Puerto Rico, 55; M.S. Cornell, 56, Ph.D. (sociol), 67. Res. asst. rural sociol. agr. exp. sta., PUERTO RICO, 55-60, asst. sociologist, 60-62, assoc. sociologist, 64-67, ASSOC. PROF. SOCIOL. & CHMN. DEPT., 67- Rural Sociol. Soc. Sociol. Assn. Rural sociology, especially living conditions and sociology of work. Publ.: Development of a level-of-living scale for Puerto Rican rural families, 10/60, co-auth. Some problems of cross-cultural, (rural sociology), 60 & 60, Los recursos humanos en la industria del café en Puerto Rico, 63, Univ. Puerto Rico Agr. Exp. Sta. Address: Dept. of Sociology, University of Puerto Rico College of Social Sciences, Río Piedras, P.R. 00923.
- COLLEY, PROF. JOHN L. JR., b. Wilmington, N.C. Feb. 17, 30; m. 50; c. 3. MANAGEMENT ENGINEERING OPERATIONS RESEARCH. B.S., N.C. State, 57; M.S. Yale, 59; D.B.A., Southern California, 64. Planning engr., West. Elec. Co., N.C., 59-62; chief ops. & systs. anal., El Segundo Div., Hughes Aircraft Co., Calif., 62-65; group leader ops. res., Res. Triangle Inst., N.C., 65-67; PROF. BUS. ADMIN., MGT. SCI. & OPER. MGT., VIRGINIA, 67-Pres. Southeast. Consult. Group, Ltd., Va., 69- Consult. Cowles Found. Econ. Res. 59. Mem. adv. cmt. Community Profile Data Center, U.S. Pub. Health Serv., 58. U.S.A.F., 52-56, S/Sgt. Inst. Mgt. Sci. Sr. mem. Inst. Indust. Eng. Oper. Res. Soc. Am. The development and implementation of computer-based systems for operations planning and control, including development of relevant tools and techniques from operations research and the management sciences. Publ.: Co-auth. Load forecasting, priority sequencing and simulation in a job shop control system, Mgt. Sci., 10/66 & A simulation study of saturated medical systems, Proc. Nat. Meeting Am. Inst. Indust. Eng., 67; auth. A daily system for balancing & sequencing a mixed-model assembly line, Int. Fedn. Oper. Res. Soc., 70. Address: Graduate School of Business Administration, University of Virginia, Charlottesville, Va. 22903.
- COLLINS, PROF. GARY R(OSS). Psychology. See A-K Vol, 11th ed, Soc. & Behav. Vols. New position & address: Prof. psychol., 69-, Trinity Evangelical Divinity School, Bannockburn, Deerfield, Ill. 60015.
- COLLINS, DR. JOHN BUNTING, b. Lovell, Wyo., Apr. 7, 40. ENVIRONMENTAL PSYCHOLOGY. B.A., Brigham Young, 64, M.S. 65; U.S. Pub. Health Serv. fel., California, Berkeley, 67; Ph.D. (psychol.) Utah, 70. Instr. psychol., Utah, 65-69; ENVIRON. PSYCHOLOGIST ACAD. PLANNING OFF., UNIV. BRITISH COLUMBIA, 69- Summer, mem. tech. staff, Watkins-Johnson Co., 66. Consult., California, Berkeley, 67-69. AAAS. Investigation of impact of build environments on human perception and behavior: evolution of criteria of measurement for environmental-behavioral interfaces; comparative analysis of architectural perception on human behavioral facilitation; specifying and implementing architectural design to facilitate classroom learning. Publ.: Perceptual dimensions of architectural space validated against behavioral criteria, Univ. Utah, 69; Interim report: residential environment, social behaviors and health, Univ. California Berkeley, 69. Address: 750 Jervis, Apt. 2004, Vancouver 5, B.C., Can.
- COLLINS, DR. JOHN NORMAN. Political Science. See A-K Vol, 11th ed, Soc. & Behav. Vols. Change of address: 1311 Bayshore Dr., Haslett, Mich. 48840.
- COLLINS, DR. JUNE MCCORMICK. Anthropology. See A-K Vol, 11th ed, Soc. & Behav. Vols. New information: Also chmn., Dept. of Anthropology, State University of New York College at Buffalo, 1300 Elmwood Ave., Buffalo, N.Y. 14222.
- COLLINS, DR. RICHARD (LYNDE). Political Science, Public Administration. See A-K Vol, 11th ed, Soc. & Behav. Vols. New information: Also Chmn. interdisciplinary Master's prog. pub. affairs, University of Oregon, Eugene, Ore. 97403.
- COLLINS, DR. THOMAS BERNARD, JR., b. Portland, Ore., Jan. 23, 29; m. 56; c. 1. PHYSIOLOGICAL PSYCHOLOGY. B.A., Portland, 52; U.S. Pub. Health Serv. fel., Washington (Seattle), 61-64, M.S. 63, Ph.D. (psychol.), 67. ASST. PROF. PSYCHOL., CENT. WASH. STATE COL., 64- AAAS: Soc. Exp. Anal. Behav. Animal Behav. Soc. Response to barbiturates and effect of activator drugs on learning; imprinting in fowl intrabrain electrical stimulation; limbic system functions. Address: Dept. of Psychology, Central Washington State College, Ellensburg, Wash. 98926.
- COLM, DR. GERHARD. Economics. See 11th ed, Soc. & Behav. Vols., deceased 68.
- COLMAN, DR. ARTHUR DAVID, b. New York, N.Y., m. 63; c. 2. PSYCHIATRY, BEHAVIORAL SCIENCE. A.B., Harvard, 58, M.D. 62. Intern med., Beth Israel Hosp., Boston, Mass., 62-63; res. psychiatrist, Langley Porter Neuro-psychiat. Inst., med. center, California, San Francisco, 63-66; res. psychiatrist, Walter Reed Army Inst. res. & staff psychiatrist & mem. teaching faculty psychiatrist, Walter Reed Gen. Hosp., 67-70; CAREER TEACHER & RESIDENT ASST. PROF. PSYCHIAT. MED. CENTER, CALIFORNIA, SAN FRANCISCO, 70- State of Calif. Dept. Ment. Hyg. grant, 65-66; Assoc. Faculties Prog. in Community Psychiat., Wash. Sch. Psychiat., D.C., 66-68; U.S. Army Res. & Develop. Command grant, 67-68. Med. C. U.S.A., 66-69. Assn. Adv. Psychother.; Psychiat. Assn. Psychology of pregnancy; design of treatment environments; family therapy; experimental analysis of behavior. Publ.: Co-auth., Utilization of an operant conditioning model for the treatment of character and behavior disorders in a military setting, Am. J. Psychiat., 69; auth., Territoriality in man, 67 & Psychological state during first pregnancy, 69, Am. J. Orthopsychiat. Address: 401 Parnassus Ave., San Francisco, Calif. 94122.
- COLMEN, DR. KENNETH (SEYMOUR). Economics. See A-K Vol, 11th ed, Soc. & Behav. Vols. New position & address: Exec. v.pres., 68-, P&F Industries Inc., 45 N. Station Plaza, Great Neck, N.Y. 11021.
- COLTHEART, DR. M. b. Frankston, Australia, Apr. 16, 39; m. 61; c. 2. PSYCHOLOGY. B.A., Sydney, 61, M.A. 62, Ph.D. (psychol.), 68. Lectr. PSYCHOL., Sydney, 66-67; Monash Univ., Australia, 67-68, sr. lectr., 69; ASST. PROF. WATERLOO, 69- Memory; perception; signal detection theory: reaction time; time perception. Address: Dept. of Psychology, University of Waterloo, Waterloo, Ont., Can.
- COLVIN, DR. RALPH W(HITMORE). Clinical Psychology. See A-K Vol, 11th ed, Soc. & Behav. Vols. Change of address: 6901 Hestand Lane. Ft. Smith, Ark. 72901.
- COMEAX, DR. MALCOLM LOUIS, b. Lafayette, La., Apr. 19, 39; m. 67; c. 1. CULTURAL & HISTORICAL GEOGRAPHY. B.A., Southwestern Louisiana, 63; M.A., Southern Illinois, 66; fel. & Ph.D. (geog.), La. State, 69. Instr. GEOG., Southwestern Louisiana, 65-66; ASST. PROF., ARIZONA STATE, 69- U.S.A., 54-60. Geog. Soc. Assn. Am. Geog. Historical geography: fishing cultures and techniques in the United States, especially inland waters. Address: Dept. of Geography, Arizona State University, Tempe, Ariz. 85281.
- COMERY, DAVID DINSMORE. Philosophy. See 5th ed, Dir. Am. Scholars. Vol. IV, Philos., Relig., & Law.
- COMLY, DR. HUNTER HALL, b. Denver, Colo., July 21, 19; m. 41; c. 5. CHILD PSYCHIATRY. B.S., Yale, 41, M.D. 43. Intern pediatrics, Mass. Gen. Hosp., 44; asst. res. Univ. Iowa Hosps., 44, res. psychiat., 48; asst. prof. pediatrics & psychiat., col. med. Iowa, 48-65; Wayne Med. Sch., 57-67; ASSOC. PROF. CHILD PSYCHIAT., COL. MED. IOWA, 67- Orthopsychiat. Assn.; Psychiat. Assn. Address: 500 Newton Rd., Iowa City, Iowa 52240.
- COMPTON, DR. ARTHUR J., b. Columbus, Ohio, June 21, 36; m. 58; c. 4. PSYCHOLINGUISTICS. B.S., Ohio State, 58, M.A. 61, Ph.D. (psycholing.), 65. Asst. dir. listening center, Ohio State, 61-65; ASST. PROF. SPEECH PATH. & AUDIOL., IOWA, 65- Old Gold summer res. fel., 67. Acoustical Soc. Am.; Speech & Hearing Assn., Ling. Soc. Am. Speech perception; child language development. Address: Dept. of Speech Pathology & Audiology, University of Iowa, Iowa City, Iowa 52240.
- CONANT, DR. MIRIAM B., b. Paris, France, Aug. 4, 31; m. 52; c. 2. POLITICAL SCIENCE. B.A., Bryn Mawr Col., 51; M.A., Columbia, 48; N.Y. Univ. (polit. sci.), 62. ASST. PROF. GOVT. COLUMBIA, 63- Am. Coll. on Ed. acad. admin. internship prog. fel., 66-67. Polit. Sci. Assn. Acad. Polit. & Soc. Sci. History of political theory; normative theory. Publ.: Legal questions, Int. Conciliation, summer 55; The academic dean as a subversive bureaucrat. Ed. Record, summer 67. Address: 502 Lewisohn Hall, Columbia University, New York, N.Y. 10027.
- CONANT, PROF. RALPH W(ENDELL), b. Hope, Maine, Sept. 7, 26; m. 50; c. 3. POLITICAL SCIENCE. B.A., Vermont, 49; M.A., Chicago, 54, Ph.D. (polit. sci.), 59. Lectr. govt. Mich. State, 56-57; staff assoc., Nat. Munic. League, 57-59; exec. dir. Citizens for Mich., 59-60; asst. prof. pub. admin., Denver, 60-62; asst. to dir., Joint Center Urban Stud., Mass. Inst. Tech. & Harvard, 62-66; assoc. prof., Brandeis, 67-69; PROF. POLIT. SCI. & DIR. INST. URBAN STUDIES, HOUSTON, 69- PROF. POLIT. SCI., RICE, 69-; PRES. SOUTHWEST CENTER FOR URBAN RES., 69- Dir. Muskegon Pub. Study Cmt. on Consolidation, Mich., 56-57; assoc. dir., Lemberg Center Study of Violence, Brandeis, 67-69. Consult. Conn. Legis. Cmn., 65-67; Joint Center for Urban Studies, Mass. Inst. Tech. & Harvard, 66-68; Dept. Housing & Urban Develop.; Travelers Res. Corp., Hartford, Conn. Mem. bd. dirs., Unitarian Universalist Serv. Cmt.; mem. submt. on urban poverty, Cmt. for Econ. Develop.; regional health adv. cmt., U.S. Dept. Health, Ed. & Welfare, 68-72. U.S.A.F. 43-45; U.S.N., 49-50; U.S.A., 51-53, Res. 53-59, Maj.(Ret). Polit. Sci. Assn. Publ. Health Assn. Urban politics. Publ.: The public library and the city, Mass. Inst. Tech., 65; The politics of community health, Pub. Affairs, 68; The prospects for revolution, Harper's Mag., Press, 70. Address: 11841 Bayhurst Dr., Houston, Tex. 77024.
- CONAWAY, DR. ORRIN BRYTE, Jr. Political Science. See A-K Vol, 11th ed, Soc. & Behav. Vols. New position & address: Benedum Prof. Am. govt. 68-, Dept. of Political Science, West Virginia University, Morgantown, W.Va. 26506.
- CONCORDIA, GEORGE L., O.P. Philosophy. See 5th ed, Dir. Am. Scholars. Vol. IV, Philos., Relig., & Law.
- CONDELL, PROF. JAMES FRANKLIN, b. Louisville, Ky., Oct. 10, 21; m. 52. PSYCHOLOGY. A.B., Ky. State Col., 42; M.A., Columbia, 48; N.Y. Univ., 49-50; North Dakota, 56-57; Ed.D. (ed. psychol.), Nebraska, 62. Asst. prof. psychol. & dir. guid. Mid. State Col., 48-49; employ. interviewer, State Employment Serv., N.Y., 50; couns. for men, Fla. Agr. & Mech., 50-52; asst. prof. psychol., 52-56, acting head dept., 54-55; dir. test serv. bur., 53-56; res. asst. psychol., North Dakota, 56-57; clin. psychologist, N.Dak. State Hosp., 57-58; State Dept. Health, Minn., 58-61; asst. ed. psychol., Univ. Nebraska, 61-62; consult. psychologist, Lakeland Ment. Health Center, 62-65; PROF. PSYCHOL. & CHMN. DEPT. MOOREHEAD STATE COL., 65- Instr. Fergus Falls Jr. Col., 62-65. U.S.A.A.F., 43-46. AAAS: Psychol. Assn. Mental re-

- tardation; motor skill training. Publ: Note on the use of the Ammons full-range picture vocabulary test with retarded children, *Psychol. Reports*, 59 & Parental attitudes toward mental retardation, *Am. J. Ment. Deficiency*, 66; Co-auth. Providing school psychological service through a community mental health center, *Community Ment. Health J.*, 66. Address: Dept. of Psychology, Moorhead State College, Moorhead, Minn. 56560.
- CONDIT, PROF. DORIS MORGAN. Military History. See 5th ed, Dir. Am. Scholars, Vol. I, Hist.
- CONDLIFFE, DR. (JOHN) B(ELL). International Economics. See A-K Vol, 11th ed, Soc. & Behav. Vols. New information: Retired. Address: 1801 Broadway, San Francisco, Calif. 94109.
- CONDON, DR. GEORGE ANDREWS. Political Science. See A-K Vol, 11th ed, Soc. & Behav. Vols. New position & address: Campus dean, 69-, Rock County Campus, University of Wisconsin, Janesville, Wis. 53545.
- CONFORTI, DR. JOSEPH MICHAEL, b. Newark, N.J., Jan. 31, 38; m. 63. SOCIOLOGY. B.A. Rutgers, 60; M.A., 63; Ph.D.(sociol.), 67. Res. assoc. SOCIOLOGY, urban studies center, Rutgers, 65-67; ASST. PROF., Ohio State, 67-69; RUTGERS, 69-. Consult. N.J. Off. Econ. Develop., 66-67; col. ed, Ohio State Univ., 68-69; N.J. Dept. Ed., 69-. Sociol. Asn.; Soc. Study Soc. Probs. Urbanization; child development; sociology of popular music; sociology of health. Publ: The poor in particular, *Urban N.J.*, 1/69; Racism in music education, *Musart*, 9-10/69; Attitudes toward health and health care facilities among low income youth, *Soc. Sci. Quart.*, 12/69. Address: 32 James St, Newark, N.J. 07102.
- CONGER, DR. ANTHONY J. b. Plainfield, N.J., Apr. 10, 38; m. 62. PSYCHOLOGY. B.A. Trenton State Col., 62; Ph.D.(psychol.), Illinois, 64. ASST. PROF. PSYCHOL., Western Ontario, 67-70; L. THURSTONE PSYCHOMET. LAB., NORTH CAROLINA, CHAPEL HILL, 70-. Psychomet. Soc. Multivariate statistical analysis; personality assessment; experimental personality. Publ: A dimensional analysis of MMPI items, *Multivariate Behav. Res.*, 7/69; Analysis of Ghiselli's moderator variable, *Psychol. Reports*, 10/69. Address: L. L. Thurstone Psychometric Lab., University of North Carolina, Chapel Hill, N.C. 27514.
- CONKEY, DR. HARLAN (DON). Audiology. See A-K Vol, 11th ed, Soc. & Behav. Vols. New position & address: Audiologist, 70-, Dept. of Speech, Oregon State University, Corvallis, Ore. 97331.
- CONKLIN, EDMUND HOLBROOK. Psychology, Anthropology. See A-K Vol, 11th ed, Soc. & Behav. Vols. New position: Sr. group eng. psychologist, adv. design, McDonnell Aircraft Co., 68-. Address: 1849 N. Ballas Rd, Des Peres, Mo. 63131.
- CONKLIN, DR. FRANK SIDNEY, b. Portland, Ore., Feb. 13, 32; m. 55; c. 3. AGRICULTURAL ECONOMICS. B.S., Oregon State, 54, M.S., 58; Ph.D.(prod. econ., farm mgt), Iowa State, 68. Specialist, exten. farm mgt, Oregon State, 59-62; instr. farm mgt, Iowa State, 62-66; res. assoc. & vis. prof., Nuevo Leon, 67-68; ASST. PROF. AGR. ECON., OREGON STATE, 68-. U.S.A.F., 54-57, Capt. Am. Econ. Asn.; Am. Agr. Econ. Asn.; Can. Agr. Econ. Asn. Publ: Apuntes y ejercicios para un curso de administración rural, Univ. Nuevo Leon, 68; Co-auth. Uso optimo de los recursos agropecuarios en el Distrito de Riego de La Bagona, Estado de Guanajuato, Mexico, Center Agr. Econ., Postgrad. Col., Mexico, 68; auth., Cost and efficiency in Oregon's seed processing industry, *Proc. Seed Processors Conf.*, Oregon State Univ., 69. Address: Dept. of Agricultural Economics, Oregon State University, Corvallis, Ore. 97331.
- CONKLIN, PROF. PATRICK (JAMES). Political Science. See A-K Vol, 11th ed, Soc. & Behav. Vols. New position & address: Prof. sr. resident faculty, 69-, Federal Executive Institute, U.S. Civil Service Commission, Highway 29 N, Charlottesville, Va. 22903.
- CONKLING, PROF. EDGAR CLARK. Geography. See A-K Vol, 11th ed, Soc. & Behav. Vols. New position & address: Prof. 68-, Dept. of Geography, State University of New York at Buffalo, 4224 Ridge Lea Rd, Amherst, N.Y. 14226.
- CONN, PROF. WORTH B., b. Lancaster, Ky., Oct. 12, 08; m. 44; c. 4. SOCIOLOGY, RELIGION. B.A., Ky. Wesleyan Col., 36; B.D., Emory, 42; M.S., Fla. State, 61. Pastor, Ky. Conf. Methodist Church, 36-40; chaplain trainee, Fed. Coun. Churches, Greystone Park, N.J. & U.S. Penitentiary, Atlanta, Ga., 42-43; chaplain, U.S. Penitentiary, McNeil Island, Wash. & U.S. Reformatory, Chillicothe, Ohio, Fed. Bur. Prisons, 43-44; Fed. Hosp. Prisoners, Springfield, Ill., 53-54; Fed. Correctional Inst., Tallahassee, Fla., 54-63; asst. prof. SOCIOLOGY, SOUTH. STATE COL.(ARK), 63-67, ASSOC. PROF. 67-. Chmn. cnt. correctional res. Fed. Correctional Inst., 60-61. U.S.N., 44-53, Lt. Sociol. Soc. Am. Acad. Arts & Sci.; Correctional Asn. General sociology; population; criminology. Address: Dept. of Sociology, Southern State College, Magnolia, Ark. 71753.
- CONNELLY, DR. JOHN F., b. Riverside, Ill., Dec. 2, 41. EXPERIMENTAL PSYCHOLOGY. B.A., St. Mary's Col.(Calif.), 63; M.A., Calif. State Col., Los Angeles, 66; instr. evant, Portland, 68, summer, Nat. Sci. Council, 68, 67, Ph.D.(psychol.), 69. ASST. PROF. PSYCHOL., KANSAS STATE COL., PITTSBURG, 68-. AAAS; Psychol. Asn. Experimental methodology, as related to human and animal learning; experimental tests of partial reinforcement theories; comparison of rats and gerbils in relation to learning rates and the partial reinforcement effect. Publ: Co-auth. Selected readings in psychology, Mosby, 70 & Replacement function of intertrial reinforcement, *Psychonom. Sci.*, 69. Address: Dept. of Psychology, Kansas State College, Pittsburg, Kans. 66762.
- CONNER, DR. JAMES RICHARD, b. Coryell Co., Tex., June 22, 42; m. 62; c. 1. AGRICULTURAL ECONOMICS. B.S., Texas A&M, 65, M.S. 67, Ph.D.(agr. econ.), 70. Res. assoc. statist., Texas A&M, 67-69; ASST. PROF. AGR. ECON., FLORIDA, 69-. Water Resources Asn.; Agr. Econ. Asn.; Statist. Asn.
- Water resources and related areas including planning and management and allocation problems; applied research on application of multiple frame survey techniques. Publ: Co-auth. Use of domain estimators with unequal probability in sample surveys, *J. Am. Statist. Asn.*, 68; Evaluating incentive payment programs through aggregate production response; the case of mo-hair, *South. Agr. Econ. Asn.*, 69 & The development of a model to evaluate hydrologic risk in water resource system design, *Am. Water Resources Asn.*, 69. Address: Dept. of Agricultural Economics, McCarty Hall, University of Florida, Gainesville, Fla. 32601.
- CONNERY, PROF. ROBERT (HOWE). Political Science. See A-K Vol, 11th ed, Soc. & Behav. Vols. Change of address: Dept. of Political Science, Columbia University, New York, N.Y. 10027.
- CONNING, DR. ARTHUR M., b. Brooklyn, N.Y., Feb. 25, 39; m. 62; c. 2. DEMOGRAPHY, SOCIOLOGY. B.A., Swarthmore Col., 57, B.S., 58; Fulbright fel., Birmingham, 58-60, M.Sc., 61; Nat. Defense Ed. Act fel., Cornell, 62-64, Pop. Coun. fel., 64-66, Ph.D.(sociol.), 69. ASST. PROF., POP., GRAD. SCH. PUB. HEALTH, PITTSBURGH, 67-. Vis. prof., two regional seminars, Peru, 68. Pop. Coun. consult., Planning Inst. Lima, 68. Sociol. Asn.; Pop. Asn. Am.; Rural Sociol. Soc.; Pub. Health Asn. Fertility and family planning in the United States and Latin America; rural-urban migration in Latin America. Publ: Estimación de la migración interna neta, clasificada por edad y por sexo, en las provincias y regiones de Chile durante los Años 1930-1940, 1940-1952 y 1952-1960; con una breve introducción referente a la metodología, Centro Latinoamericano de Demografía, Chile, Series D, 67; Variables de comunidad y de familia asociadas a la migración rural-urbana: informe preliminar sobre una encuesta en siete comunidades rurales de Chile Central, (in press) & Co-auth., Comunidades rurales de una región de pequeños propietarios de Chile central: resultados provisionales de un estudio por informantes clave, (in press), Antropología, Univ. Chile. Address: Population Division, Graduate School of Public Health, University of Pittsburgh, Pittsburgh, Pa. 15213.
- CONOLLEY, DR. EDWARD S(TANTON), b. San Francisco, Calif., Jan. 16, 37. SOCIAL PSYCHOLOGY. B.A., San Diego State Col., 60, M.S., 64; Nat. Inst. Ment. Health fel., California, Riverside, 66-68, M.A. & Ph.D.(soc. psychol.), 69. Nat. Inst. Ment. Health fel., Yale, summer 69; ASST. PROF. SOC. PSYCHOL., SOUTHERN CALIFORNIA, 69-. Med.Serv.C., Army Nat. Guard, 59-68, Capt. AAAS; Psychol. Asn. Attitude development and change; social influence processes; interpersonal attraction. Publ: Co-auth. Conformity and group size, *J. Personality & Soc. Psychol.*, 1/68. Address: Dept. of Psychology, University of Southern California, Los Angeles, Calif. 90007.
- CONOVER, PROF. THEODORE E. Journalism. See 5th ed, Dir. Am. Scholars, Vol. I, Hist.
- CONOVER, DR. WILLIAM JAY. Statistics. See Suppl. VI to 11th ed, Phys. & Biol. Vols.
- CONRATH, DR. DAVID W. Business Administration, Operations Research. See A-K Vol, 11th ed, Soc. & Behav. Vols. New position & address: Assoc. prof. 69-, Dept. of Management Sciences, University of Waterloo, Waterloo, Ont. Can.
- CONSTAS, DR. HELEN, b. New York, N.Y., Sept. 21, 21. SOCIOLOGY. B.A., Hunter Col., 42; M.A., New Sch. Soc. Res., 48, Halle fel., 53-54, Ph.D.(sociol. & polit. theory), 54. Instr. sociol., Bennett Jr. Col., 54-56; asst. prof., Anderson Col., 56-57; Juilliard Sch. Music, 57-62; ASSOC. PROF. soc. sci., Boston, 62-66; SOCIOLOGY, AMERICAN UNIV., CAIRO, 66-. Summer lect., New Sch. Soc. Res., 60. Fed. Sociol. Asn. Comparative historical study of societies having a bureaucracy as a ruling class; charismatic bureaucracies, their genesis, dynamics, tensions, especially contemporary Communist bureaucracy; historical sociology; sociological theory. Publ: Ed., Ancient society; auth., Max Weber's two conceptions of bureaucracy, *Am. J. Sociol.*, USSR-from charismatic sect to bureaucratic society, *Admin. Sci. Quart.*, Address: Dept. of Sociology, American University at Cairo, 113 Kasr El Aini, Cairo, Egypt.
- CONSUL, DR. PREM CHANDRA. Statistics, Mathematics. See Suppl. V to 11th ed, Phys. & Biol. Vols.
- CONWAY, PROF. JOHN JAMES. Canadian History, General Education. See 5th ed, Dir. Am. Scholars, Vol. I, Hist.
- CONWAY, DR. WILLIAM B., b. Dexter, Iowa, Apr. 4, 35; m. 60; c. 5. ECONOMICS. B.A., b. Ambrose Col., 60; M.A., Minnesota, 60; Ph.D.(econ.), 69. Instr. principles of econ., Minnesota, 61-64; ASST. PROF. ECON. ST. JOSEPH'S COL. (IND), 64-. CHMN. DEPT., 69-. U.S.A., 55-57, Sgt. Econ. Asn. Effects of differential tax burdens upon the value of residential property in urban areas. Address: Dept. of Economics, St. Joseph's College, Rensselaer, Ind. 47978.
- COOK, PROF. EDWARD (JOSEPH). Economics. See A-K Vol, 11th ed, Soc. & Behav. Vols. New information: Also assoc. dean, 68-, C.W. Post College, Long Island University, Greenvale, N.Y. 11548.
- COOK, DR. EUNG-DO. Linguistics. See Suppl. I to 5th ed, Dir. Am. Scholars.
- COOK, DR. HAROLD, b. Brooklyn, N.Y., June 11, 37. PSYCHOLOGY, EDUCATION. B.A., Calif. State Col., Los Angeles, 58; Ph.D.(ed. psychol.), California, Los Angeles, 67. Personnel analyst, Los Angeles County Civil Serv. Cmn., 60-62; group supvr., Los Angeles County Probation Dept., 62-63; ed. intern., Marianne Frostig Sch., 63; ed. therapist, Melrose Sch. Disturbed Children, 63-65; researcher & sr. psychometrist, California, Los Angeles, 65-67; asst. prof. PSYCHOLOGY & EDUC., Syracuse, 67-69; ASSOC. PROF. TEACHERS COL., COLUMBIA, b. Brookline, South. Calif. Counseling Center, 66. AAAS; Psychol. Asn.; Soc. Res. Child Develop. Educational psychology; learning and development; verbal behavior. Publ: Verbal satiation of a positive and negative reinforcer, *J. Verbal Learning & Verbal Behav.*, 7: 1082-1087; co-

- auth. The effect of achievement in a science unit on visual perception units, *visa versa* and/or the effect of achievement in a science unit on achievement in a science unit. *Am. Ed. Res. J.*, 6: 136-141; auth. Effectiveness of verbal reinforcer subsequent to satiation in preschool children, *Psychonomic Sci.*, 19: 327-329. Address: Dept. of Psychology, Teachers College, Columbia University, 525 W. 120th St., New York, N.Y. 10027.
- COOK, DR. HOWARD SCOTT, b. Oil City, Pa., June 16, 37; m. 59; c. 3. SOCIAL ANTHROPOLOGY. B.A. American Univ., 59; Wisconsin, Madison, 59-60; Pan Am. Union fel. & M.A. Puerto Rico, 62; Mellon & U.S. Pub. Health Serv. fel. & Ph.D.(anthrop), Pittsburgh, 68. Res. assoc. soc. sci. res. soc. sci. prog. Dept. Health, Puerto Rico, 63; res. asst. soc. sci. prog. grad. sch. pub. health, Pittsburgh, 64; res. assoc. econ. anthrop. Oaxaca Markets Study, California, Los Angeles, 67-68; ASST. PROF. ANTHROP. MICH. STATE, 68- U.S.M.C.R., 55-59. Anthropol. Assn. Theoretical economic anthropology; economic anthropology of peasant-artisan groups in Mexico; social anthropology of Puerto Rico and Mexico; peasantry. Publ.: The obsolete anti-market mentality. . . 68: 323-345 & Price-output variability in a peasant artisan stoneworking industry in Mexico, in press, *Am. Anthropologist*; The anti-market mentality re-examined: an essay in negation and counter-reflection, *Southwest J. Anthropol.*, winter 69. Address: Dept. of Anthropology, Michigan State University, East Lansing, Mich. 48823.
- COOK, DR. JAMES WYATT. English. See 5th ed, *Dir. Am. Scholars*, Vol. II, Eng, Speech & Drama.
- COOK, DR. NEIL R., b. Denver, Colo., Nov. 25, 32; m. 59; c. 3. AGRICULTURAL ECONOMICS. B.S. Colorado State, 60; M.S. Nebraska, 62; Ph.D. (agr. econ), Okla. State, Agr. economist, resource develop. econ. div., ECON. RES. SERV., U.S. DEPT.-AGR., 61-64, leader, watershed econ. lab., NATURAL RESOURCE ECON. DIV., 63-67, LEADER SOUTH. RESOURCE GROUP, 67- U.S.M.C., 51-54, Sgt. Agr. Econ. Assn. Resource development economics; rural economic development; river basin development; estimation for need and value of resource development in selected river basins of the southeastern United States. Publ.: Earnings of agricultural resources in Nebraska (Bull.), *Nebr. Quart. Agr. Exp. Sta.*, 64; Effects of upstream flood protection on land use (Bull.), *Okla. Agr. Exp. Sta.*, 65; co-auth., Evaluating flood prevention in upstream watersheds with a areal point sample - Interim Report, Washita River Basin, Oklahoma (Bull.), *Econ. Res. Serv. U.S. Dept. Agr.*, 67. Address: Natural Resource Economics Division, Economic Research Service, U.S. Dept. of Agriculture, Little Rock, Ark. 72207.
- COOK, DR. PATRICK EDWARD, b. Williamsport, Pa., Mar. 28, 42; m. 62; c. 2. CLINICAL & COMMUNITY PSYCHOLOGY. B.A. Rochester, 64; Hogg Found. fel., Texas, 65-66, Ph.D.(psychol), 66. Intern. clin. psychol. & community ment. health. S. Shore Ment. Health Center, Quincy, Mass., 66-67, psychologist, 67-68; ASST. PROF. PSYCHOL., FLA. STATE, 68-; ASST. DIR. DOCTORAL PROG. CLIN. PSYCHOL., 69- Asst. field assessment officer, Univ. Texas-Peace Corps Afghanistan VIII Proj., spring 66; Fla. Div. Ment. Health res. grant, 69-70. Psychol. Assn. Personality assessment; evaluation of community mental health. Publ.: Ed. Introductory readings in community psychology and community mental health, *Holden-Day*, 70; co-auth. The community adaptation schedule and the California personality inventory: a validation study with college students, *Community Ment. Health J.*, 10/70. Address: Dept. of Psychology, Florida State University, Tallahassee, Fla. 32306.
- COOK, PROF. ROBERT GRANT. Business Administration. See A-K Vol, 11th ed, Soc. & Behav. Vols. New information: Also chmn. dept. mgt. Missouri, Columbia, 69- Address: 2700 Bayonne Court, Columbia, Mo. 65201.
- COOK, PROF. ROBERT N(EVIN). Law. See 5th ed, *Dir. Am. Scholars*, Vol. IV, Philos, Relig. & Law.
- COOK, DR. THOMAS D., b. Birkenhead, Eng., July 31, 41; m. 69. PSYCHOLOGY, COMMUNICATION RESEARCH. B.A. Oxford, 63; Free Univ. Berlin, 61-62; Saarlandes, 63-64; Ph.D.(commun. res), Stanford, 67. Vis. asst. prof. PSYCHOL., North Carolina, 67-68; ASST. PROF., NORTHWESTERN, 68- Persistence of induced attitude change; demand characteristics in social psychological laboratory research; social conflict. Publ.: Co-auth., The persistence of induced attitude change as a function of conclusion reexposure, 68 & Demand characteristics and three conceptions of the frequently deceived subject, 70. J. Personality & Soc. Psychol.; auth., Temporal processes mediating attitude change after underpayment and overpayment, J. Personality, 69. Address: Dept. of Psychology, Northwestern University, Evanston, Ill. 60201.
- COOKE, DR. GERALD, b. New York, N.Y., Mar. 9, 43; m. 64; c. 2. CLINICAL PSYCHOLOGY. B.A. Chicago, 63; U.S. Pub. Health Serv. fel., Iowa, 64-66, M.A., 65, Ph.D. (psychol), 66. Psychologist, Northwestern State Hosp., Pa., 67; ASST. PROF. PSYCHOL., WAYNE STATE, 67- Off. Econ. Opportunity grant-ment. res. team, Detroit Edison & Mich. Bell Tel. Co., 68- Consult, Mich. State Center Forensic Psychiat., 67-; psychiatrist. res. div., Herman Kiefer Hosp., 67- Psychol. Assn. Psychotherapy research; forensic psychology, use of non-professionals in a psychotherapy role. Publ.: Evaluation of the efficacy of the components of reciprocal inhibition psychotherapy, J. Abnorm. Psychol., 73: 464-467; The court study unit: patient characteristics and a comparison of patients judged competent and incompetent, J. Clin. Psychol., 25: 140-143. Address: 2277 Dorchester N., Troy, Mich. 48064.
- COOMBS, DR. ROBERT HOLMAN. Sociology. See A-K Vol, 11th ed, Soc. & Behav. Vols. New position: Res. specialist, Calif. State Dept. Ment. Hyg., 70- Address: Research Dept., Camarillo State Hospital, Camarillo, Calif. 93010.
- COONS, PROF. ALVIN E(MERY). Economics. See 11th ed, Soc. & Behav. Vols., deceased 68.
- COOPER, PROF. ALLEN LAMAR. Christian Social Ethics. See 5th ed, *Dir. Am. Scholars*, Vol. IV, Philos, Relig. & Law.
- COOPER, PROF. JAMES G(ORDON). Education. See A-K Vol, 11th ed, Soc. & Behav. Vols. New information: Also dir., 63, College of Education Research Center, University of New Mexico, Albuquerque, N.Mex. 87106.
- COOPER, PROF. JOHN C. Philosophy of Religion. See 5th ed, *Dir. Am. Scholars*, Vol. IV, Philos, Relig. & Law.
- COOPER, PROF. JOHN ROBERT, b. Greenville, S.C., June 1, 34; m. 59. ECONOMIC. B.S. Clemson, 55, M.S., 57; Ph.D.(econ), Virginia, 67. Instr. econ. Col. Charleston, 57-58, asst. prof., 58-60; instr., Virginia, 60-63; assoc. economist, Fed. Reserve Bank of Atlanta, 63-64; assoc. prof. ECON. WIN-THROP COL., 64-69, PROF., 69-; DIR. ACAD. PLANNING & INSTNL. RES., 70-; dir. instr. res., 68-70. Consul. S.C. Comm. Higher Ed., 67-68. Pub. Choice Soc. Money and banking; economics of education; public finance. Address: Box 5001, Winthrop College, Rock Hill, S.C. 29730.
- COOPER, DR. RUTH. Psychology. See A-K Vol, 11th ed, Soc. & Behav. Vols. Change of address: Oak Hills, Calverton, N.Y. 11933.
- COOPER, PROF. SAMUEL, b. New York, N.Y., Oct. 27, 14; m. 47; c. 3. LAW, ECONOMICS. B.S. in Ed., City Col. New York, 36; LL.B., St. John's (N.Y.), 38, J.S.D., 39; B.S. Hopkins, 50. Lawyer, Ironside & Mahony, 37-41; dir. U.S. Housing Authority, 41-42; assoc. prof. law & finance & chmn. dept., BALTIMORE, 60-61; PROF. LAW & ACCT. & CHMN. DEPT., 70- Private practice, attorney, 45- Cert. Pub. Act., Md. U.S.A., 42-45, Sgt. Anti-trust acts. Publ.: Co-auth., Unification of Europe, George Washington Univ., 52. Address: 6805 Pimlico Dr., Baltimore, Md. 21209.
- COOPER, DR. SANDI ELAINE. Modern History, History of Peace. See 5th Ed, *Dir. Am. Scholars*, Vol. I, Hist.
- COOPER, PROF. WILLIAM W(AGER). Economics. See A-K Vol, 11th ed, Soc. & Behav. Vols. New information: Also prof. pub. policy & dean, 68- School of Urban & Public Affairs, Carnegie-Mellon University, Pittsburgh, Pa. 15213.
- COOR, DR. LATTIE F. Political Science. See A-K Vol, 11th ed, Soc. & Behav. Vols. New information: Also V. chancellor, Washington (St. Louis), 69- Address: 7029 Kingsbury Blvd., St. Louis, Mo. 63130.
- COPELAND, DR. JOHN W(ILSON). Philosophy. See 5th ed, *Dir. Am. Scholars*, Vol. IV, Philos, Relig. & Law.
- COPEN, DR. MELVYN R(OBERT), b. New York, N.Y., Jan. 23, 38; m. 60; c. 2. INTERNATIONAL BUSINESS, PRODUCTION MANAGEMENT. S.B. Mass. Inst. Tech., 58, S.M., 59; Ford. Found. fel. & P.B.A. Harvard, 67. Prod. mgt. Gen. Elec. Co., 59-61; PROF. assoc. estab. grad. sch. in India, Harvard Bus. Sch. & Ford Found., 63-66; res. fel. prod. mgt., Harvard Bus. Sch., 66-67; assoc. prof. prod. & logistics mgt. & int. bus., COL. BUS., HOUSTON, 67-68, dir. grad. studies, 68-69, ASSOC. DEAN, bus. U.S.A.R., 59-65. Asst. Ed. *Ind. Bus. Acad. Mgt. Probl.* concerning introduction of technological change, especially as they affect culture. Publ.: Co-auth., Production management, text and cases, National, India, 70 & International management and economic growth, McGraw, (in press). Address: College of Business, University of Houston, Houston, Tex. 77004.
- COPLIN, DR. WILLIAM D(AVID). Political Science. See A-K Vol, 11th ed, Soc. & Behav. Vols. New position & address: Assoc. prof., 69- Dept. of Political Science, Syracuse University, Syracuse, N.Y. 13210.
- COPPOCK, PROF. JOSEPH D(AVID). Economics. See A-K Vol, 11th ed, Soc. & Behav. Vols. New information: Rockefeller vis. prof. Thamasat Univ., Thailand, 69-71. Address: Dept. of Economics, Pennsylvania State University, University Park, Pa. 16802.
- COPPOLLO, DR. HENRY, b. Cervicati, Italy, July 27, 26; U.S. citizen; m. 62; c. 1. PSYCHIATRY. M.D. Rome, 55. Intern. Cook County Hosp., Ill., 55-56; res. psychiatrist, Chicago, 56-59; asst. attending physician, Michael Reese Hosp., 59-61, pediat. liaison psychiatrist, 61-65, assoc. physician, 61-66, asst. chief child psychiatrist, 63-65; asst. prof. med. sch., Michigan, 66-68, dir. day care serv., Children's Psychiat. Hosp., 66-68, ASSOC. PROF. PSYCHIAT. & ASSOC. CHMN. DEPT., UNIV. MICHIGAN HOSP., 68- Res. asst. psychiatrist, Northwestern, 59-61; fel., Michael Reese Hosp., Chicago, 61-63. Child psychiat. consult., McLean County Health Clin., Ill., 59-66; med. sch., Wisconsin, 64. U.S.N., 44-46. Psychiat. Asst. Acad. Child Psychiat. Ped. sonality development; child and adult psychiatry and psychoanalysis. Publ.: Maturation aspects of the transitional phenomenon, Int. J. Psychoanal., 7/67; co-auth., Psychopathology of childhood, in: *Current diagnosis, Saunders*, 68; auth., Technical considerations in child psychiatry, J. Am. Acad. Child Psychiat., 7/69. Address: Neuropsychiatric Institute, University of Michigan Hospital, Ann Arbor, Mich. 48104.
- CORAZZINI, DR. ARTHUR JOHN. Economics. See A-K Vol, 11th ed, Soc. & Behav. Vols. Change of address: Dept. of Economics, Tufts University, Medford, Mass. 02155.
- CORBALLIS, DR. MICHAEL, b. Marton, N.Z., Sept. 10, 36; m. 62; c. 1. EXPERIMENTAL PSYCHOLOGY, STATISTICS. B.Sc. Victoria, N.Z., 58, M.Sc., 59, B.A., 61; M.A. Auckland, 62; British Commonwealth scholar, McGill, 63-65, Ph.D.(psychol), 65. Lectr. PSYCHOL., Auckland, 66-68; ASST. PROF., McGill, 68- Psychomet. Soc.; assoc. mem. Can. Psychol. Assn.; Brit. Psychol. Soc.; N.Z. Psychol. Soc. Short-term memory and information processing in humans; discrimination learning; mathematical psychology. Address: Dept. of Psychology, Stewart Biology Bldg., McGill University, Montreal, Que., Can.
- CORBIN, DR. HORACE (HARLAN). Psychology. See A-K Vol, 11th ed, Soc. & Behav. Vols. New information: Also chmn., 69-; Dept. of Psychology & Education, Mt. Holyoke College, South Hadley, Mass. 01075.

- CORBIT, DR. TIINA ERNITS, b. Pärnu, Estonia, Aug. 26, 43; Can. citizen; m. 67. **PHYSIOLOGICAL PSYCHOLOGY**. B.A. Toronto, 65; M.A. Western Ontario, 68; Ph.D.(psychol), Brown, 69. **RES. ASSOC. PSYCHOL. PSYCHOL.** DEPT. PSYCHOL, BROWN, 69- AAAS: Can. Psychol. Assn. Neural basis of behavior; regulation of fluid balance. Address: Dept. of Psychology, Brown University, Providence, R.I. 02912.
- COREY, DR. GERALD F. b. Los Angeles, Calif., July 7, 37; m. 65; c. 2. **PSYCHOLOGY**. B.A. Loyola (Calif), 60, M.A., 61; Ed.D.(counseling & ed. psychol), Southern California, 67. Teacher, high sch., Calif., 60-64; instr. psychol, Rio Hondo Jr. Col., 64-66; counsr., CALIF. STATE POLYTECH. COL., KELLOGG-VOORHIS CAMPUS, 67-68. **ASST. PROF. TEACHER PREP**, 68-Part-time private practice psychol., 68. Psychol. Assn. Personnel & Guid. Assn. Counseling psychology; educational psychology. Address: 9200 Colima Rd, Whittier, Calif. 90605.
- COREY, DR. JEFFREY R. b. Middletown, Conn., June 28, 39; m. 62; c. 2. **EXPERIMENTAL PSYCHOLOGY**. B.S. Trinity Coll.(Conn), 61; fel, Delaware, 61-65, M.S., 64, Ph.D.(psychol), 67. **Res. assoc. PSYCHOL.** Del. State Hosp., 65-66; asst. prof., C.W. POST COL., LONG ISLAND, 66-69, **ASSOC. PROF.** 69- Operant conditioning; experimental analysis of behavior; research design; applied behavior analysis. Address: Dept. of Psychology, C.W. Post College, Long Island University, Greenvale, L.I., N.Y. 11548.
- CORFIELD, DR. VERA, b. Kitchener, Ont. **SOCIAL PSYCHOLOGY**. B.A. Alberta, 61, Stapels scholar, 62, Henry Marshal Tory Mem. scholar, 62, 63, M.A., 63, Can. Coun. fel, 64, Ph.D.(soc. psychol), 67. Psychologist II, Alta. Guid. Clin., 64-66; sessional lectr., Alberta, 66-67; **ASST. PROF. PSYCHOL.** CALGARY, 67- **Res. grants**, Calgary, 67, 68, Can. Coun. 68, 69, Alta. Human Resources, 69, Dept. Nat. Health & Welfare, 69. Mem. Calgary Social Planning Coun., 69. Am. Psychol. Assn.; Can. Psychol. Assn. The effect of stress and/or personality on susceptibility to influence including direct communications, group interaction with videotape playback, conditioning, and programmed learning; modification of self attitudes. Publ: Utilization of guidance clinic facilities in Alberta, Alta. Psychologist, 68. The role of arousal and cognitive complexity in susceptibility to social influence, J. Personality, 69; Cognitive complexity, relevance of communication to source of arousal, and susceptibility to social influence, Can. Psychologist, 3/69. Address: Dept. of Psychology, University of Calgary, Calgary, Alta., Can.
- CORNEHLSEN, PROF. JOHN HENRY, JR. Psychology. See A-K Vol, 11th ed, Soc. & Behav. Vols. New information: Independent Mgt. consult. Address: Depts. of Psychology & Business Administration, C.W. Post College, Long Island University, Greenvale, N.Y. 11548.
- CORROZZI, DR. JOHN F. b. Wilmington, Del., Oct. 15, 41; m. 66; c. 2. **EDUCATIONAL PSYCHOLOGY**. B.A. Delaware, 63, fel, 67-68, Ph.D.(behav. sci), 70; M.S. Boston, 66. Epidemiologist, U.S. Pub. Health Serv. Phila., Pa., 63-64; res. assoc., Assocs. Res. in Behav., Phila., 66; **ASSOC. DIR. CONSULT. CENTER ED. PERSONNEL**, DELAWARE, 68- Air Nat. Guard, 62, 1st Lt. Psychol. Assn; Nat. Soc. Study Ed. Attitude measurement and change; evaluation of instructional programs. Publ: Co-auth. Consonant and dissonant communications as positive and negative reinforcements in opinion change, J. Personality & Soc. Psychol., 8: 27-30. Address: Consulting Center, College of Education, University of Delaware, Newark, Del. 19711.
- CORSON, DR. JOHN J. Economics. See A-K Vol, 11th ed, Soc. & Behav. Vols. New position: Chmn. bd, Fry Consult, Inc, Wash, D.C., 69. Address: 4775 Old Dominion Dr, Arlington, Va. 22207.
- CORT, DR. HENRY (RUSSELL), JR. Psychology. See A-K Vol, 11th ed, Soc. & Behav. Vols. New information: Also chmn. ed. studies dept, Wash. Sch. Psychiatry, 68- Address: 2901 Stanton Ave, Silver Spring, Md. 20910.
- CORTADA, RAFAEL LEON. Latin American & Modern European History. See 5th ed, Dir. Am. Scholars, Vol. 1, Hist.
- CORTEEN, DR. RAYMOND SCOTT. Psychophysiology. See Suppl. VI to 11th ed, Phys. & Biol. Vols.
- CORTY, PROF. FLOYD L(OUIS). Agricultural Economics. See A-K Vol, 11th ed, Soc. & Behav. Vols. New information: Also team leader, Malaysia Proj, 70- Louisiana State University, University Station, Baton Rouge, La. 70803.
- CORWIN, DR. NORMAN R(ROBERT). Sociology, Social Ethics. See A-K Vol, 11th ed, Soc. & Behav. Vols. New position & address: Community services consult, 68- Lutheran Social Services, Central Pennsylvania Region, 221 W. Fourth St, Williamsport, Pa. 17701.
- CORWIN, PROF. RONALD G. Sociology. See A-K Vol, 11th ed, Soc. & Behav. Vols. New position: Prof., 69-, Dept. of Sociology, Ohio State University, 1775 S. College Rd, Columbus, Ohio 43210.
- COSER, PROF. LEWIS A. Sociology. See A-K Vol, 11th ed, Soc. & Behav. Vols. New position & address: Distinguished Prof. of Sociology, State University of New York at Stony Brook, Stony Brook, N.Y. 11790.
- COSGROVE, DR. DON J(AMES). Industrial Psychology. See A-K Vol, 11th ed, Soc. & Behav. Vols. New position: Assoc. prof. psychol, Xavier, 69- Address: 6305 Parkman Place, Cincinnati, Ohio 45213.
- COSLETT, DR. STEPHEN B. Clinical Psychology. See A-K Vol, 11th ed, Soc. & Behav. Vols. New information: No longer dir. counseling, Dickinson. Address: 1004 Drayer Court, Carlisle, Pa. 17013.
- COSTELLO, PROF. DONALD F. Statistics, Computer Science. See Supplement V to 11th ed, Phys. & Biol. Vols.
- COSTELLO, DR. PETER M. b. New York, N.Y., Jan. 3, 32; m. 57; c. 2. **ECONOMICS**. B.S. Vermont, 58; M.A., Connecticut, 60; Ph.D.(econ), Mich. State, 66. Asst. prof. ECON, Smith Col., 64-68; **ASSOC. PROF. BRIDGEPORT**, 68- Econ. Assn. Industrial organization; micro economic theory. Publ: Technological progress in the ethical drug industry, Senate Select Cmt. Small Bus. U.S. Cong. 67; The tetracycline conspiracy, Antitrust Law & Econ. Rev. 68; Economics of the ethical drug industry, Antitrust Bull., 69. Address: Dept. of Economics, University of Bridgeport, Bridgeport, Conn. 06602.
- COTLER, DR. SHERWIN B. b. Chicago, Ill., Mar. 2, 41; m. 65; c. 1. **CLINICAL PSYCHOLOGY, CHILD DEVELOPMENT**. B.A., Calif. State Col., 64, M.A., 66; Robert Galland scholar, Washington State, 68-70, Ph.D.(psychol), 70. Asst. park dir., Long Beach Recreation Dept., 61-65; Vet. Admin. trainee CLIN. PSYCHOL, LONG BEACH VET. ADMIN. HOSP., 68, INTERN. CAMARILLO STATE HOSP., 69- **Assoc. Psychol. Assn.** Application of learning theory to the understanding and treatment of child and adult behaviors; child clinical and community psychology. Publ: Co-auth. Systematic desensitization of test anxiety, 68 & auth. Sex differences and generalization of anxiety reduction with automated desensitization and minimal therapist interaction, (in press), Behav. Res. & Ther. co-auth. Resistance to extinction following sequences of partial and continuous reinforcement in a human choice task, J. Exp. Psychol., 69. Address: Long Beach Mental Health Service, 236 E. Third St, Long Beach, Calif. 90812.
- COTTLE, PROF. W(ILLIAM) M. C. Psychology. See A-K Vol, 11th ed, Soc. & Behav. Vols. Change of address: Boston College, 314 McGuinn Hall, Chestnut Hill, Mass. 02167.
- COTTRELL, DR. ANN BAKER, b. Evanston, Ill., Jan. 12, 39; m. 68; c. 1. **SOCIOLOGY**. B.A. Miami (Ohio), 60; Kappa Kappa Gamma fel, Mich. State, 60-61, M.A., 64, Nat. Sci. Found. summer grant, 66, Ph.D.(sociol), 70; Fulbright fel, India, 64-66. **ASST. PROF. SOCIOL.** SAN DIEGO STATE COL., 67- **Sociol. Assn.** Interpersonal linkages between societies, specifically cross-cultural marriages. Address: Dept. of Sociology, San Diego State College, San Diego, Calif. 92115.
- COTTRELL, JAMES WILLIAM. Clinical & Industrial Psychology. See A-K Vol, 11th ed, Soc. & Behav. Vols. New information: Chief pediat. psychologist, Med. Col. Va., 68- Address: 8813 Watlington Rd, Richmond, Va. 23229.
- COULSON, DR. MICHAEL R(ROBERT) C(UMMINS). Geography. See A-K Vol, 11th ed, Soc. & Behav. Vols. New position: Assoc. prof., 68-, Dept. of Geography, University of Calgary, Calgary, Alta., Can.
- COULSON, PROF. ROGER W(AYNE), b. Burlington, Iowa, May 7, 21; m. 49; c. 2. **CHILD DEVELOPMENT, EDUCATIONAL PSYCHOLOGY**. B.A., Iowa, 42, M.A., 49, Ph.D. ed. psychol., 56. Teacher, high sch., Iowa, 45-47; asst. audio-visual & measurement, col. ed., Iowa, 47-49; from asst. prof. spec. ed. to prof. measurement, col. ed., Butler, 50-68; **PROF. CHILD DEVELOP. & HEAD DEPT.** COL. HOME ECON, IOWA STATE, 68- **Psychol. consult.** Crossroads Rehab. Center, Ind., 56-59; Indianapolis Coun. Preschool Coop., 62-68; pastoral care & counseling center, Christian Theol. Sem., 68-69. U.S.M.C.R., 42-45, 17/sgt. Children with specific learning disabilities; longitudinal studies of the variety of aspects of growth and development; physiology and processes of human learning. Address: Dept. of Child Development, Iowa State University, Ames, Iowa 50010.
- COULSON, DR. WILLIAM R(ODNEY). Psychology, Philosophy. See A-K Vol, 11th ed, Soc. & Behav. Vols. New position: Fel. center studies of the person, 68- Address: 1125 Tarrey Pines Rd, La Jolla, Calif. 92037.
- COULTER, DR. EDWIN M(ARTIN). Political Science. See A-K Vol, 11th ed, Soc. & Behav. Vols. New position & address: Chmn., 68-, Division of Social Sciences, Oklahoma College of Liberal Arts, Box 3227, Chickasha, Okla. 73018.
- COUNT, DR. EARL W(ENDEL). Anthropology. See A-K Vol, 11th ed, Soc. & Behav. Vols. New information: Retired. Address: 2832 Webster St, Berkeley, Calif. 94705.
- COUNTS, DR. DOROTHY E. b. Jan. 8, 37; U.S. citizen; m. 56; c. 3. **ANTHROPOLOGY, POLITICAL SCIENCE**. B.S. Southwest Tex. State Col., 57; M.A., Kentucky, 63; Nat. Sci. Found. grant, Southern Illinois, 66-67, Ph.D.(govt), 68. **ASST. PROF. ANTHROP.** WATERLOO, 69- Political and economic change in Kanak village, Western New Britain, territory of New Guinea. Address: Dept. of Anthropology, University of Waterloo, Waterloo, Ont., Can.
- COURTNEY, JOSEPH F(RANCIS). Public Administration, Political Science. See A-K Vol, 11th ed, Soc. & Behav. Vols. New information: Independent attorney & consult, 69- Address: 380 Main St, Wilmington, Mass. 01887.
- COURY, DR. JOHN NOEL. Psychology. See Suppl. V to 11th ed, Phys. & Biol. Vols.
- COUSINS, PROF. WILLIAM J(AMES). Sociology. See A-K Vol, 11th ed, Soc. & Behav. Vols. New position & address: Prof., 69-, Dept. of Sociology, Federal City College, 425 Second St. N.W., Washington D.C. 20001.
- COUTANT, DR. LOWELL WINFORD, b. Grants Pass, Ore., Mar. 24, 37; m. 59. **PHYSIOLOGICAL & COMPARATIVE PSYCHOLOGY**. B.A., Oregon, 61; M.S. Pa. State, 65, Ph.D.(physiol. & comp. psychol), 68. **ASST. PROF. PSYCHOL.** WHEATON COL.(MASS), 68- U.S.A., 55-57. AAAS; Psychol. Assn. Association cortex and limbic system functions; frontal lobe functions in cats; primate behavior; motivation. Publ: Co-auth. Reversal and non-reversal shifts by cats and rhesus monkeys, J. Comp. & Physiol. Psychol., 66 & Cortical lesions and response inhibition in cats, Neuropsychologia, 69. Address: Dept. of Psychology, Wheaton College, Norton, Mass. 02768.
- COVER, PROF. VIRGIL DALE. Economics, Business Administration. See A-K Vol, 11th ed, Soc. & Behav. Vols. New position & address: Prof. transportation, 68-, Dept. of Marketing, University of Georgia, Meigs Hall, Athens, Ga. 30601.

- COWAN, PROF. JOSEPH L. Philosophy. See 5th ed, Dir. Am. Scholars, Vol. IV, Philos. Relig. & Law.
- COWDEN, DR. T.(HOMAS) (KYLE). Agricultural Economics. See A-K Vol, 11th ed, Soc. & Behav. Vols. New position: Asst. secy, U.S. Dept. Agr., 69- Address: 3833 Roberts Lane N, Arlington, Va. 22207.
- COWELL, DR. DAVID A(RTHUR). Political Science. See A-K Vol, 11th ed, Soc. & Behav. Vols. New position: Asst. prof, Drew 69- & dir, Drew Univ. Semester on UN, 94- Address: Dept. of Political Science, Drew University, Madison, N.J. 07940.
- COWHIG, DR. JAMES D(ANIEL). Sociology. See A-K Vol, 11th ed, Soc. & Behav. Vols. New position: Res. adv. Model Cities Admin. U.S. Dept. of Housing & Urban Develop., 69- Address: 333 S. Glebe Rd, Arlington, Va. 22204.
- COWLEY, PROF. W(ILLIAM) H(AROL). Educational Psychology. See A-K Vol, 11th ed, Soc. & Behav. Vols. New information: Emer. David Jacks prof. higher ed, Stanford, 68- Address: 848 Northampton Dr, Palo Alto, Calif. 94303.
- COWNE, PROF. LESLIE JOAN. Psychology. See A-K Vol, 11th ed, Soc. & Behav. Vols. Change of address: 56 E. 66th St, New York, N.Y. 10021.
- COX, PROF. A(LONZO) B(ETTIS). Economics. See 11th ed, Soc. & Behav. Vols, deceased 68.
- COX, DR. BLANCHE, b. Thebes, Ill. PSYCHOLOGY, EDUCATION. B.Ed. Southern Illinois, 41; M.A., Illinois, 46; D.Ed.(ed. psychol.) Miami (Fla), 63. Counsr., Miami-Dade Jr. Col., 60-62, adv. 62-63, asst. to dean of students, 63-65, counsr. women, 65-66; ASSOC. DEAN OF STUDENTS, SOUTH ALABAMA, 66- Psychol. Asn.; Personnel & Guid. Asn.; Nat. Asn. Women Deans & Counsr. Address: Apt. 128, 1759 Springhill Ave, Mobile, Ala. 36607.
- COX, PROF. HARVEY GALLAGHER, JR. Religion & Society. See Suppl. I to 5th ed, Dir. Am. Scholars.
- COX, DR. JAMES LAMAR. Religion, Political Science. See 5th ed, Dir. Am. Scholars, Vol. IV, Philos. Relig. & Law.
- COX, PROF. ROY LEONARD. Sociology of Education. See A-K Vol, 11th ed, Soc. & Behav. Vols. New position & address: Prof. curriculum & instr. & head dept, 69-, School of Education & Psychology, Western Carolina University, Cullowhee, N.C. 28723.
- COX, DR. WILLIAM A(RTHUR), b. Evanston, Ill., Dec. 10, 37; m. 64; c. 2. ECONOMICS. B.A. Northwestern, 59; Int. Finance fel, Princeton, 60, Ph.D. (econ), 68; Fulbright fel, Vienna, 61. Res. economist, Inst. Defense Anal., 63-66; guest asst. prof. econ, Southern California, 68-69; asst. prof., Maryland, 69-70; ECONOMIST, UN INDUS. DEVELOP. ORGN, 70- Econ. Asn. Price theory, especially theory of the firm; economic development; theory of international trade and finance. Publ: Expenditure tying as a contributor to exports: the German-American oil agreement, 65, co-auth. Demand analysis for air travel by supersonic transport, 66 & An economic model of the U.S. shipbuilding industry, 70, Inst. Defense Anal. Address: United Nations Industrial Development Organization, Vienna, Austria.
- COYLE, PROF. DARCY C(RENSHAW), b. Cadiz, Ky, Oct. 26, 18; m. 42, 69; c. 1. MANAGEMENT. B.S. U.S. Naval Acad, 41; M.B.A., Harvard, 48, D.B.A., 62; Mass. Inst. Tech., 49-50. Lectr. bus. admin, Babson Inst, Mass., 48-51; asst. to dir. gen. mgr. electronics div, Sylvania Elec. Prod. Inc., 51-53; dir. European eng. Consult, Inc., Netherlands, 53-54; chief engr. & div. head, A.G. Spalding & Bros, Inc., Mass., 54-57; asst. prof. prod. mgmt, grad. sch. bus. admin, Harvard, 57-59; lectr. & chmn. dept. col. bus. admin, Boston Univ., 59-61; PROF. MGT, HARTFORD GRAD. CENTER, RENNELAER POLYTECH. INST., 61- Lectr. Brit. Inst. Mgt, Oxford, 66-68. Dir. summer mgmt. sch., Watford Col. Tech., Eng., 66 & 67; vis. prof. IMEDE Mgt. Develop. Inst., Lausanne, Switz, 67 & 68. U.S.N., 36-46, Lt. Comm. Production management; finance; human relations; business policy. Publ: Predictability of human behavior in business, Springs Mass, 5/65; co-auth. Introduction to financial analysis, In: Casebook for management and business policy; a systems approach, Int. Textbook, 68. Address: Dept. of Management, Hartford Graduate Center of Rensselaer Polytechnic Institute, East Windsor Hill, Conn. 06028.
- COYLE, MAJ. HAROLD S., JR. U.S.A.F., b. Rochester, N.Y., Aug. 20, 35; m. 61; c. 3. INDUSTRIAL RELATIONS & PSYCHOLOGY. B.S. U.S. Naval Acad, 57; M.S. Purdue, 61; Krannert fel, 65-67, Ph.D.(indust. rels), 67. U.S. AIR FORCE, 57- planning engr., Civil Eng., Group, Homestead Air Force Base, 57-58, 2nd Air Force Hq., Barksdale Air Force Base, 58-60; proj. engr. Hq., Alaskan Air Command, Elmendorf Air Force Base, Alaska, 61-63, chief mgmt. div, 63-64, dir. resource planning, 65; instr. PSYCHOL, U.S. AIR FORCE ACAD, 67, ASST. PROF. 67- Lectr., Colorado, 68- Indust. Rel. Res. Asn. Placement and treatment of scientific and professional personnel in organizations; motivation and retention of Air Force officers in the military; managerial performance appraisal. Publ: Co-auth. The utility of OER work pictures as performance discriminators, Air Force Human Rel. Lab. Tech. Report, 9/70. Address: Dept. of Psychology & Leadership, U.S. Air Force Academy, Colorado Springs, Colo. 80840.
- COYNE, DR. THOMAS JOSEPH, b. Wheeling, W.Va., Dec. 24, 33; m. 57; c. 5. ECONOMICS, FINANCE. B.B.A., Marshall, 58; M.B.A., Kent State, 61; Nat. City Bank Cleveland fel. & Ph.D.(econ), Case Western Reserve, 67. Staff credit mgr., B.F. Goodrich Co., 59-61; gen. credit mgr., Robinson Clay Prod. Co., 61-63; internal audit officer, Chesapeake & Ohio Rwy, 63-64; instr. econ, Kent State, 64-67; asst. prof. econ. & chmn. dept, Marshall, 67-69; ASSOC. PROF. ECON. & FINANCE, AKRON, 69- Instr. Case Western Reserve & Bur. Bus. Res., 63-64; John Carroll, 64-65. Participant, summer seminar microecon. & monetary econ, Chicago, 68. U.S.A., 52-54. Econ. Asn.; Arbit. Asn.; Finance Asn. Managerial economics; arbitration; monetary and fiscal theory; economic impact of tax on value-added. Publ: Toward a managed economy, In: Notable and quotable, Wall St. J., 7/66; The banking structure in West Virginia, W.Va. Legis. Servs., 4/68. Address: 1020 Winhurst Drive, Akron, Ohio 44313.
- CRABB, PROF. CECIL V., JR. Political Science. See A-K Vol, 11th ed, Soc. & Behav. Vols. New position & address: Prof. & chmn. 68-, Dept. of Government, Louisiana State University, Baton Rouge, La. 70803.
- CRABTREE, DR. JAMES S., b. Pittsburgh, Kans., Jan. 13, 26; m. 53. INDUSTRIAL RELATIONS & MANAGEMENT. B.A., Kansas, 55; B.S., Akron, 57; M.B.A., Missouri-Kansas City, 63; U.S. Dept. Labor, Wisconsin, Madison, 66-67, Ph.D.(ind. rels), 67. Training counsr. & sales supporting suvr., F. & R. Lazarus & Co., Columbus, Ohio, 58-59; training dir., Emery Bird Thayer Co., Kansas City, 58-60; asst. prof. LABOR & INDUS. RELS., MISSOURI-KANSAS CITY, 67-69, ASSOC. PROF., 69-, res. grants, 69-70, Indust. Rel. Res. Asn. Public sector labor; management relations in Missouri; municipalities and schools at the primary and secondary levels. Publ: The structure of related instruction in Wisconsin apprenticeship programs, In: Essays on apprenticeship, Center Studies Voc. & Tech. Ed., Univ. Wisconsin, 67. Address: School of Administration, Oxford Hall, University of Missouri-Kansas City, 5100 Rockhill Road, Kansas City, Mo. 64110.
- CRAFT, DR. JAMES P(RESSLEY), JR. Political Science. See A-K Vol, 11th ed, Soc. & Behav. Vols. New information: Ph.D., Pennsylvania, 69. Asst. prof., 68-, Dept. of Political Science, Ursinus College, Collegeville, Pa. 19426.
- CRAIG, DR. JOHN REUBEN, b. Nov. 28, 34; U.S. citizen; m. 57; c. 5. INDUSTRIAL PSYCHOLOGY. B.S., Utah State, 59, M.S., 61; Ph.D.(indust. psychol.), Purdue, 66. Instr. psychol., U.S. Army Adj. Gen. Sch., 60-62; asst. prof. BUS. ADMIN. & PSYCHOL., UTAH STATE, 66-68; ASSOC. PROF., 68- Consult., West. States Small Schs. Proj., Utah State Bd. Ed., 66. Adj. Gen. C, U.S.A., 60-62, Capt. Psychol. Asn. Employee motivation; leadership; job analysis; psychological testing; management development; programmed instruction; attitudes and morale; group and organizational behavior. Publ: Co-auth. Job inventory information: task and scale reliabilities and scale interrelationships, Lackland Air Force Base, 67 & An evaluation of career self-directed education, West. States Small Schs. Proj., Utah State Bd. Ed., 69. Address: Dept. of Business Administration, Utah State University, Logan, Utah 84321.
- CRAIG, PROF. ALBERT MORTON. Japanese History. See 5th ed, Dir. Am. Scholars, Vol. I, Hist.
- CRAIG, DR. GEORGE DENNIS, b. Geneva, Ill., Sept. 14, 36; m. 59; c. 1. ECONOMICS, STATISTICS. A.B., Wheaton Col.(Ill.), 60; Nat. Defense Ed. Act fel, Illinois, 60-63, M.S., 62, Nat. Sci. Found. summer fel, 64, Ph.D. (econ), 68. Asst. prof. bus. statist., La. State, Baton Rouge, 65-67, econ. & economet, 67-69; ASSOC. PROF. FINANCE, NORTHERN ILLINOIS, 69- Econ. Asn.; Statist. Asn.; Economet. Soc. Investigation of predictive accuracy of aggregate annual and quarterly saving functions. Address: Dept. of Finance, Northern Illinois University, DeKalb, Ill. 60115.
- CRAIG, DR. JAMES HARVEY, b. Detroit, Mich., June 14, 17; m. 65; c. 2. SOCIAL PSYCHOLOGY. B.B.A., Texas, 42, B.A., 54, Ph.D.(psychol.), 61. Mat. control coordinator, Zenith Radio Corp., 43-45; entrepreneur boats & construct., 45-54; teacher, Lake Jackson Jr. High Sch., 54-55; res. scientist, defense res. lab., Texas, 57-62, instr. psychol., 60-61, asst. prof., 61-62; San Fernando Valley State Col., 63-66; CO-DIR., CENTER FOR STUDY OF POWER, 67- AAAS; Psychol. Asn.; Soc. Psychol. Study Social Issues. Audition; nature of man; leadership; resolution of intergroup conflict; the interrelations among individual differences, social values, social stratification, personal and group power and social stability and change. Publ: Co-auth. The effect of phase on the quality of a two-component tone, J. Acoustical Soc. Am., 60 & Sensitivity training in human relations for deaf adults, Deaf Am, 65; The no-lose conflict-resolution approach to the Vietnam crisis, In: In process, Univ. California, Los Angeles, 65. Address: 13 Bay Tree Lane, San Anselmo, Calif. 94960.
- CRAIG, PROF. PAUL (GENE). Economics. See A-K Vol, 11th ed, Soc. & Behav. Vols. New position & address: V.pres. acad. affairs, 70-, Florida State University, Tallahassee, Fla. 32306.
- CRAIG, DR. RICHARD B., b. Blytheville, Ark., Jan. 28, 35; m. 60; c. 1. POLITICAL SCIENCE. B.A., Missouri-Columbia, 58; M.A., 63, Ph.D.(pol. sci.), 70. Teacher, high sch., Mo., 62-65; ASST. PROF., POL. SCI., KENT STATE, 69- U.S.A., 58-60. Polit. Sci. Asn. Cooperative politics; Latin America. Address: Dept. of Political Science, Kent State University, Kent, Ohio 44240.
- CRAIG, DR. WESLEY W., JR., b. Cascade, Idaho, Nov. 21, 27; m. 56; c. 5. SOCIOLOGY. B.A., Brigham Young, 56; Nat. Defense Ed. Act fel, New Mexico, 59-62, Ph.D.(rural sociol.), Cornell, 67. Asst. prof. sociol., N.C. State, 65-67; ASSOC. PROF. SOCIOL. & COORDINATOR LATIN AM. STUDIES, BRIGHAM YOUNG, 67- Vis. prof., Agrarian Univ., Peru, 65-67. Consult., Bolivian Higher Ed., Ford Found., 67. Mem. exec. coun., Rocky Mt. Coun. Latin Am. Studies, 67-69, exec. secy, 69-70. U.S.N.R., 45-46; U.S.C.G., 47-51, Res., 60-62, Lt. Sociol. Asn.; Rural Sociol. Soc.; Latin Am. Studies Asn. Processes of modernization and social change in underdeveloped countries, especially Latin America; migration; innovation; community organization and development; education. Publ: The peasant movement of La Convencion, Peru, In: Latin American peasant movements, Cornell, 69; La migración de la sierra hacia la caja de la Montana, Dept. Sociol., Agrarian Univ., Peru, 66; From hacienda to community, Latin Am. Studies, Proq. Cornell, 67. Address: Dept. of Sociology, Brigham Young University, Provo, Utah 84601.
- CRAIGHEAD, PROF. CARL F(AUBION). Political Science. See A-K Vol, 11th ed, Soc. & Behav. Vols. Change of address: 1109 Spruce, Coffeyville, Kans. 67337.

- CRAIK, DR. MARY BERNICE, b. Louisville, Ky. May 26, 24; m. 42; c. 3. EDUCATIONAL PSYCHOLOGY & MEASUREMENT. B.A. Texas, El Paso, 60, M.Ed. 63; Ph.D.(ed. psychol.), Iowa, 68. Teacher art. 60-62; instr. sec. ed. & asst. dir. of instr. res. Texas, El Paso, 63-65; instr. student teaching, Western New Mexico, 65-66; ASSOC. PROF. ED. PSYCHOL. & MEASUREMENT, ST. CLOUD STATE COL., 68- State of Minn. res. grant, 69-71. Ed. Res. Assn. Psychol. Assn. Programmed instruction. Publ: Co-auth. Practical uses of programs in education, Teaching Aids News, 5/64; auth. Writing objectives for programmed instruction, 2/66 & Programmed instruction and the reading teaching, 4/67, Ed. Tech. Address: St. Cloud State College, St. Cloud, Minn. 56301.
- CRAIN, PROF. CLARK (NIXON). Geography. See A-K Vol. 11th ed, Soc. & Behav. Vols. New information: Consult, Lower First Prj, Turkey. Address: Dept. of Geography, University of Denver, Denver, Colo. 80210.
- CRABINE, PROF. EUGENE (RICHARD). History, Anthropology. See 5th ed, Dir. Am. Scholars, Vol. I, Hist.
- CRAMER, PROF. D(ALE) L(OUIS). Economics. See A-K Vol. 11th ed, Soc. & Behav. Vols. New information: Also head, 68-, Dept. of Economics, University of Alabama, University, Ala. 35486.
- CRAMER, DR. ROBERT LAWRENCE. Neurophysiology. See Suppl. V to 11th ed, Phys. & Biol. Vols.
- CRAMTON, PROF. ROGER C. Law. See 5th ed, Dir. Am. Scholars, Vol. IV, Philos. Relig. & Law.
- CRANDALL, DR. MAUREN S. b. New Haven, Conn. June 30, 41; m. 66. ECONOMICS. A.B. Smith Col., 62; A.M. Northwestern, 65, Am. Assn. Univ. Women fel., 65-66, Ph.D.(econ), 69. Instr. ECON, WELLESLEY COL., 67-69, ASST. PROF. 69- Econ. Assn. Monetary theory and policy: economics of particular industries. Publ: Co-auth. Instructors manual for Samuelson text, McGraw, 70. Address: Dept. of Economics, Wellesley College, Wellesley, Mass. 02161.
- CRANNY, DR. CHARLES J. b. Delmar, Iowa, July 24, 35; m. 60; c. 3. PSYCHOLOGY. B.S. Iowa State, 62, M.S. 65, Ph.D.(indust. psychol), 67. Instr. PSYCHOL, Iowa State, 63-66; ASST. PROF. BOWLING GREEN STATE, 66-Lectr. Drake, 66. Consult, U.S. Air Force Oper. Anal. Standby Unit, Iowa State Univ. 66- U.S.A. 54-56, Res. 56-62. Psychol. Assn. Industrial psychology, particularly measurement and prediction, work attitudes and training. Publ: Co-auth. Non-verbal language for colors, 67 & Effort ratings of a random sample of CVCs, 69, Perceptual & Motor Skills; Psychology of men at work, Ann. Rev. Psychol. 68. Address: Dept. of Psychology, Bowling Green State University, Bowling Green, Ohio 43402.
- CRANZ, PROF. F(ERDINAND) EDWARD, Intellectual History. See Volume I, History.
- CRAW, DR. ALEXANDER R. Mathematics, Operations Research. See Suppl. V to 11th ed, Phys. & Biol. Vols.
- CRAWFORD, BILLY MAX, b. Erick, Okla., July 2, 30; m. 57; c. 2. ENGINEERING & INDUSTRIAL PSYCHOLOGY. A.B. Oklahoma Baptist, 54; M.S. Okla. State, 57; univ. fel. Tex. Tech. Col., 57-59; U.S. Air Force fel. Ohio State, 63-64. Instr. psychol. Tex. Tech. Col., 58-59; ENC. RES. PSYCHOL. COSET, AEROSPACE MED. RES. LAB, DEPT. AIR FORCE, 59- A.U.S. 48-49, 50-51. Human Factors Soc. Learning theory: psychophysics; visual perception; manual control; maintainability and man-machine system design. Publ: Joy stick vs multiple levers for remote manipulator control, 2/64 & Co-auth. Judgments of relative distance based on separate 2-D TV views, 10/67, Human Factors Soc.; Designing for maintainability. In: Human engineering guide to equipment design, McGraw-Hill, rev. ed, 69. Address: 388 Fairway Dr, Fairborn, Ohio 45324.
- CRAWFORD, DR. MEREDITH (PULLEN). Psychology. See A-K Vol. 11th ed, Soc. & Behav. Vols. New position: Pres, 69-, HUMKRO, 300 N. Washington St, Alexandria, Va. 22314.
- CRAWFORD, DR. MICHAEL H. b. Shanghai, China, July 25, 39; U.S. citizen; m. 61; c. 1. ANTHROPOLOGY, GENETICS. B.A. Washington (Seattle), 60, M.A. 65, Ph.D.(anthrop), 67; Nat. Sci. Found. summer fel. California, Berkeley, 64; U.S. Nat. Found. summer fel. to U.S.S.R., 64. Res. asst. surg. Washington (Seattle), 61-63, teaching asst. anthropol. 63-65, mem. res. staff, primate center, 65-67; ASST. PROF. ANTHROPOLOGY, PITTSBURGH, 67- BIOSATIST, 68-, summer res. grants, int. center, 68-69. Wenner-Gren Found. res. grant, 69-70. U.S.N. 60-61. Anthropol. Assn; Soc. Human Genetics; Assn. Phys. Anthropol. Brit. Soc. Study of Human Biol; Int. Assn. Human Biol. Human biology of central Mexico; microevolution in an Alpine genetic isolate in northern Italy; evolution in the city; protein evolution in primates; human behavioral genetics. Publ: Ed. Man's evolution in the city, Chandler-Davis, 70; auth. Hemoglobin polymorphism in macaca nemestrina, Science, 154: 398-399 & Trends in genetics and biological anthropology, In: Biennial review of anthropology, Stanford, 70. Address: Dept. of Anthropology, University of Pittsburgh, Pittsburgh, Pa. 15213.
- CRAWFORD, DR. PAUL LEONIDAS. Psychology. See A-K Vol. 11th ed, Soc. & Behav. Vols. New position & address: Prof. & chmn. 68, Dept. of Psychology, West Virginia State College, Institute, W.Va. 25112.
- CRAWFORD, PROF. ROBERT PLATT. Journalism. See 5th ed, Dir. Am. Scholars, Vol. II, Eng. Speech & Drama.
- CRAWSHAW, DR. MARSHALL RICHARD. Educational Psychology. See A-K Vol. 11th ed, Soc. & Behav. Vols. New position: Counseling psychologist, Vet. Admin. 68 & chmn. voc. rehab. bd. regional off. Los Angeles. Address: 1080 Bush Gardens Court, Pasadena, Calif. 91105.
- CREGIER, PROF. DON MESICK. British & American History. See 5th ed, Dir. Am. Scholars, Vol. I, Hist.
- CREGO, DR. CLYDE A. Psychology. See A-K Vol. 11th ed, Soc. & Behav. Vols. New position & address: Consult. psychologist, U.S. Govt, 69- Address: 6709 Bracken Court, Springfield, Va. 22152.
- CRESPI, DR. LEO P(AUL). Social Psychology. See A-K Vol. 11th ed, Soc. & Behav. Vols. New position: Dep. asst. dir, 69-, Office of Research & Assessment, U.S. Information Agency, 1750 Pennsylvania Ave. N.W., Washington, D.C. 20547.
- CRESPI, DR. MURIEL, b. New York, N.Y. Dec. 6, 29. ANTHROPOLOGY. B.A., Brooklyn Col., 59; M.A. Columbia, 62; Ph.D.(anthrop), Illinois, Urbana, 68. ASST. PROF. ANTHROPOLOGY, HUNTER COL., 68- Nat. Inst. Ment. Health grant, 69-70; City Univ. New York faculty fel. summer, 68. Anthrop. Assn. Relationships between peasant and other sectors in Latin American society, particularly as these affect stability and change in peasant social systems. Address: Dept. of Anthropology, Hunter College, 695 Park Ave, New York, N.Y. 10021.
- CRESSEY, DR. WILLIAM W(WHITNEY). Spanish Linguistics. See 5th ed, Dir. Am. Scholars, Vol. III, For. Lang. Ling. & Philol.
- CRESSY, PROF. EARL H(ERBERT). Chinese Studies. See 5th ed, Dir. Am. Scholars, Vol. IV, Philos. Relig. & Law.
- CRIGLER, DR. T. P. Economics. See A-K Vol. 11th ed, Soc. & Behav. Vols. New position: Mgt. econ. res. & develop. Armour Chem. Indust. Armour & Co. 63-, asst. to group v.p.res. Indust. Prod. Group, 66- Address: Armour & Co, 401 N. Wabash Ave, Chicago, Ill. 60611.
- CRISP, DR. LLOYD, b. Montrose, Colo. Sept. 12, 31; m. 54; c. 4. SPEECH. M.A. San Francisco State Col., 60; Ph.D.(commun. methodology), Denver, 67. Asst. prof. SPEECH, SAN FRANCISCO STATE COL. 60-67, ASSOC. PROF. 67-, CHMN. DEPT., 69- Dept. Health, Ed. & Welfare fel., 68-69. Speech Assn. Am. Interpersonal communications; communications theory. Publ: Campus soap box, Lib. Democrat, 5/63; co-auth. Subordinate ethos and leadership attitudes, Quart. J. Speech, 12/67. Address: Dept. of Speech, San Francisco State College, San Francisco, Calif. 94132.
- CRISPEY, DR. ORLO L(EE). Industrial Psychology. See A-K Vol. 11th ed, Soc. & Behav. Vols. New information: Independent consult. psychologist, 70- Address: 6317 Morrish Rd, Swartz Creek, Mich. 48473.
- CROCKER, DR. THOMAS D. b. Bangor, Maine, July 22, 36; m. 61; c. 1. ECONOMICS. A.B. Bowdoin Col., 59; Ph.D.(agr. econ), Missouri-Columbia, 67. Instr. ECON, Wisconsin-Milwaukee, 63-67, asst. prof. 67-70; ACTING AS-SOC. PROF. CALIFORNIA, RIVERSIDE, 70- Prin. investr. Nat. Insts. Health res. grant, 68-69; U.S. Pub. Health Serv. contract, 69-70. Consult, Nat. Air Pollution Control Admin. U.S. Pub. Health Serv., 66- Int. Res. & Tech. Corp. D.C. 69. Econ. Assn. Agr. Econ. Assn. Air Pollution Control Assn. Natural resource economics; microeconomic theory; applied econometrics. Publ: Some economics of air pollution control with special reference to Polk County, Florida, U.S. Pub. Health Serv. 68; The structuring of atmospheric pollution control systems. In: The economics of air pollution, Norton, 66; Some economic aspects of air pollution control, Natural Resources J. 4/68. Address: Dept. of Economics, University of California, Riverside, Calif. 92502.
- CROCKER, PROF. WILLIAM LUCKEY, b. Birmingham, Ala. Apr. 24, 26; m. 52; c. 3. EDUCATIONAL PSYCHOLOGY, EDUCATION. B.S. Alabama, 47, M.A. 52, Ed.D.(curriculum instr), 58- Teacher, Greenwood Jr. High Sch., 47-49; Oak Grove, 49-52, prin., 55-57; Alliance Jr. High Sch., 52-54; McCadory High Sch., 54-55; asst. prof. psychol. Florence State, 58-60; secondary ed. Rutgers, 60-61; PROF. PSYCHOL. FLORENCE STATE, 61-, CHMN. DEPT., 69- Address: 2030 Conway Dr, Florence, Ala. 35630.
- CROLEY, DR. HUGH (THOMAS). Psychology. See A-K Vol. 11th ed, Soc. & Behav. Vols. Change of address: Ford Foundation, P.O. Box 2344, Cairo, Egypt.
- CROMER, DR. WARD J. b. Emmetsburg, Iowa, Apr. 7, 40. PSYCHOLOGY. B.A. Oberlin Col., 62; M.A. Clark, 64, Ph.D.(psychol), 66. ASST. PROF. PSYCHOL., WELLESLEY COL. 68-, CHMN. DEPT., 70- Res. assoc. Clark, 68-; U.S. Off. Ed. res. grant, 69-70. Psychol. Assn. Reading and reading disability; college mental health. Publ: Co-auth. Reading and reading difficulty: a conceptual analysis, Harvard Ed. Rev. fall 67; auth. A clinical psychologist's approach to the teaching of personality theory, Clin. Psychologist, spring 69; auth. The difference model: a new explanation for some reading difficulties, J. Ed. Psychol. (in press). Address: Dept. of Psychology, Wellesley College, Wellesley, Mass. 02161.
- CROMWELL, PROF. RUE L(eVELLE). Clinical Psychology. See A-K Vol. 11th ed, Soc. & Behav. Vols. New position & address: Chief div. psychol. 69-, Lafayette Clinic, 951 E. Lafayette, Detroit, Mich. 48207.
- CRONIN, DR. WALTER F. b. Oneida, N.Y. Aug. 16, 17; m. 47; c. 2. POLITICAL SCIENCE, HISTORY. A.B. Hamilton Col., 38; A.M. Fletcher Sch. Law, 39; Ph.D.(polit. sci.), Harvard, 50. With indust. courses, 39-42; researcher, U.S. Dept. State, 49-67; HISTORIAN, U.S. DEPT. TRANSPORTATION, 67-U.S.A. 42-48, Capt. Polit. Sci. Assn; Hist. Assn. United States diplomatic history; developing countries, particularly development of political institutions; history of the United States Department of Transportation and its programs. Address: 607 Poplar Dr, Falls Church, Va. 22046.
- CRONKHITE, DR. GARY L(YNN), b. Dallas City, Ill. Sept. 21, 35; m. 57; c. 2. SPEECH, PSYCHOLOGY. A.B. Greenville Col., 57; M.S. Illinois State, 61; Ph.D. speech, Illinois, 65. Instr. speech, Illinois, 64-65; asst. prof., 65-67; ASSOC. PROF. SPEECH & PSYCHOL. ILLINOIS STATE, 67- Speech Assn. Am; Nat. Soc. Study Comm. Psychol. Assn. Attitude theory and measurement; persuasion and argumentation; psycholinguistics. Publ: Persuasion; speech and behavioral change, Bobbs-Merrill, 69; co-auth. Frustration and

- language intensity, 6/65 & auth, Autonomic correlates of dissonance and attitude change, 11/66, Speech Monogr. Address: Dept. of Speech, Illinois State University, Normal, Ill. 61761.
- CROOK, PROF. DOROTHEA JOHANNSEN.** Psychology. See A-K Vol, 11th ed, Soc. & Behav. Vols. New information: Emer. prof., 68-. Dept. of Psychology, Tufts University, Medford, Mass. 02155.
- CROOK, DR. MASON (NELSON).** Psychology. See A-K Vol, 11th ed, Soc. & Behav. Vols. New information: Retired, 69-. Address: 84 Woods Ave, Somerville, Mass. 02144.
- CROOK, PROF. MILTON PRICE, JR.** Political Science. See A-K Vol, 11th ed, Soc. & Behav. Vols. Change of address: Dept. of Political Science, Prairie View Agricultural & Mechanical College, Prairie View, Tex. 77445.
- CROOKS, DR. EDWIN WILLIAM.** Business Administration. See A-K Vol, 11th ed, Soc. & Behav. Vols. New position: Chancellor, 69-, Indiana University Southeast, Jeffersonville, Ind. 47130.
- CROPLEY, DR. ARTHUR (JOHN).** B. Marree, S. Australia, Dec. 31, 35; m. 62; c. 2. PSYCHOLOGY. B.A., Adelaide, 57, Dip. Ed., 60; M.Ed., Alberta, 63, Ph.D. (ed. psychol.), 65. Schoolteacher, Australia, Eng. & Can. 56-61; lectr. PSYCHOL., Univ. New England, Australia, 65-67; asst. prof., SASKATCHEWAN, REGINA, 67-69, ASSOC. PROF., 69-. Australian Army, 54-56, Sgt. Am. Psychol. Ass., Australian Psychol. Soc. Nature and organization of intellectual abilities, especially creativity; experimental psychopathology. Publ: Creativity, Longmans, London, 67 & 69, U.S. ed., Humanities, 70, Italian ed., Nuova Italia Editrice, 69, Swedish ed., Almqvist & Wiksell, 70, German ed., 70 & Danish ed., Gyldendal, 71; co-auth, Objective therapy predictors in depression, J. Clin. Psychol., 67 & A biochemical correlate of divergent thinking, Can. J. Behav. Sci., 70. Address: Dept. of Psychology, University of Saskatchewan, Regina, Sask, Can.
- CROSS, DR. JOHN FRANCIS, b. Sept. 24, 32; U.S. citizen; m. 60; c. 4. PSYCHOLOGY.** A.B., St. Peter's Col., 54; M.A., Fordham, 61; Ph.D. (psychol.), St. Louis, 64. Sr. eng. psychologist, McDonnell Aircraft Corp., 64-66; ASST. PROF. EXP. PSYCHOL., ST. LOUIS 66. Nat. Sci. Found. summer fel. math. psychol., Michigan, 68. U.S.N.R., 54-62, Lt. (jg). Psychol. Assn. Astronaut training devices and programs; vertical and standard take off and landing aircraft; human engineering; visual motion perception; developmental aesthetics. Publ: Misperception of rotary motion, Perception & Psychophysics, 2: 94-96; co-auth, Visual and factual interaction in judgements of the vertical, Psychonomic Sci., 4: 145-146. Address: 6147 Kingsbury, St. Louis, Mo. 63112.
- CROSS, DR. ORRIN (HARTSHORN).** Psychology. See A-K Vol, 11th ed, Soc. & Behav. Vols. New position & address: Assoc. prof., 70-, Dept. of Psychology, University of Tennessee at Chattanooga, Chattanooga, Tenn. 37403.
- CROSSLAND, DR. HUGH J.** Law, Government. See 5th ed, Dir. Am. Scholars, Vol. IV, Philos. Relig. & Law.
- CROUCH, DR. JOYCE G (REER).** b. Riverton, Tenn. Dec. 25, 25; m. 44; c. 2. EDUCATIONAL PSYCHOLOGY, GUIDANCE. B.S., Tennessee Tech., 34, M.A., 59; Ed.D. (ed. psychol. guid), Tennessee, Knoxville, 68. Teacher, Pine Haven & York Elem. Schs., 54-59; Eng., Alvin C. York Agr. Inst., 59-66, counsr., 65-66; ASSOC. PROF. PSYCHOL., APPALACHIAN STATE, 67. Psychol. Assn. Attitudes as a part of a behavioral system. Address: Dept. of Psychology, Appalachian State University, Boone, N.C. 28607.
- CROW, PROF. WAYMAN J (JOSEPH).** Psychology. See A-K Vol, 11th ed, Soc. & Behav. Vols. New position: Dir., 69-, Western Behavioral Sciences Inst., 1150 Silverado, La Jolla, Calif. 92037.
- CROWDER, DR. ROBERT (GEORGE).** Psychology. See A-K Vol, 11th ed, Soc. & Behav. Vols. New position: Assoc. prof., 69-, Dept. of Psychology, Yale University, 333 Cedar St, New Haven, Conn. 06520.
- CROWE, DEAN ROBERT M.** b. Providence, R.I., July 21, 35; m. 59; c. 3. ECONOMICS, FINANCE. B.S.B.A., Boston Col., 57; M.A., Pennsylvania, 60, Ph.D. (econ. ins), 63. Asst. prof. finance & ins., Northeastern, 59-61; dir. exam., Am. Col. Life Underwriters, Pa., 61-64; assoc. prof. ins. & holder Hipp chair of ins., South Carolina, 64-66, asst. v.pres. res. admin., 66-68; PROF. ECON. & DEAN COL. BUS. ADMIN., TULSA, 68. Consult., S.C. Gen. Assembly, 64-65. C.L.U., Am. Soc. Chartered Life Underwriters, 62; C.P.C.U., Am. Inst. Property & Liability Underwriters, 66. Risk & Ins. Assn. Publ: Co-auth, Group Insurance handbook, Irwin, 68; auth, Evaluating risk, Paking systems, Chartered Property & Liability Underwriters Assn., fall 64; co-auth, The meaning of risk, J. Risk & Ins., 9/67. Address: College of Business Administration, University of Tulsa, Tulsa, Okla. 74104.
- CROWELL, DR. ARETA, b. Claresholm, Alta, Dec. 13, 35; m. 56; c. 2. SOCIAL PSYCHOLOGY.** B.Sc., McGill, 56, M.A., 59, Ph.D. (psychol.), 62. Res. asst., Aluminum Co. Can., 56-57; dept. psychol., McGill, 57-60; asst. prof., Fairleigh Dickinson, 62-66, asst. dir. psychol. M.A. in teaching prof., 65-66; res. analyst, eval. & res. div., LOS ANGELES COUNTY DEPT. MENT. HEALTH, 66-68, res. consult, planning sect., 68-69, acting head, EVAL. & RES. DIV., 69, CHIEF, 69-. Consult., Calif. Cont. Local Community Mgmt. Health Dirs., 70-. Am. Psychol. Assn. Psychol. Study Soc. Issues, Fedn. Am. Sci.; Can. Psychol. Assn. Planning, development and evaluation of community mental health services, including establishment and use of necessary demographic, community and patient data bases for these purposes. Publ: Effect of early upon later decisions, In: Decision making in the employment interview, McGill Univ., 64; co-auth, Attitude change as a function of intensive training, dogmatism and authoritarianism, Psychol. Reports, 66. Address: Evaluation & Research Division, Los Angeles County Dept. of Mental Health, 1106 S. Crenshaw Blvd., Los Angeles, Calif. 90019.
- CROWELL, DR. GEORGE (HARVEY).** Christian Ethics, Social Action. See 5th ed, Dir. Am. Scholars, Vol. IV, Philos. Relig. & Law.
- CROWLEY, DR. DAVID (SMOND).** Psychology. See A-K Vol, 11th ed, Soc. & Behav. Vols. New position & address: Asst. prof. physiological acoustics, 69-. Division of Communication Disorders, Washington University School of Medicine, 724 S. Euclid Ave, St. Louis, Mo. 63110.
- CROWLEY, DR. FRANCIS J (JOSEPH).** Psychology. See A-K Vol, 11th ed, Soc. & Behav. Vols. Change of address: School of Education, Fordham University, Lincoln Center, New York, N.Y. 10023.
- CRUICKSHANK, PROF. WILLIAM M.** b. Detroit, Mich., Mar. 25, 15; m. c. 3. PSYCHOLOGY, EDUCATION. A.B., Eastern Michigan, 37, hon. Sc.D., 62; A.M., Chicago, 38; Cite Univ., France, 44; Ph.D., Michigan, 45. Spec. ed. exec., Boy's Voc. Sch., Lansing, Mich., 38-40; instr., Horace Rackham Sch. Spch. Ed., Eastern Michigan, 40-42; American Army Univ. Eng. & clin. psychologist, war dept. & Army U.S., 42-45; Margaret C. Olmstead Distinguished prof. ed. & psychol. & dir. div. spec. ed. & rehab., Syracuse, 46-67, dean div. summer sessions, 53-66; PROF. PSYCHOL. & ED. SCH. PUB. HEALTH, PROF. ED. SCH. ED. PROF. PSYCHOL., COL. LIT. SCI. & ARTS & DIR. INST. STUDY MENT. RETARDATION, MICHIGAN, 67-. Fulbright lectr. & assoc. dir., Inst. San Gabriel Archangel, Lima, 62-63 & 68; mem. bd. consults, center res. except. children, North Carolina, Chapel Hill, 69-; vis. prof., Texas Women's Univ.; Fla. State, State Univ. N.Y. Col. Buffalo; Oregon; Ohio State; vis. lectr., Northwestern; Yeshiva; Uppsala; San Marcos Univ., Lima; Kumamoto; Birmingham. Adv. ed. Policies Cmm; mem. adv. bd., Pathway Sch., Phila., Pa.; ed. consult., Teaching Resources, Inc., Mass; clin. psychol. consult., Vet. Admin. psychol. consult., N.Y. State Assn. for Crippled Children & Adults, Inc.; PROF. OFFICER, MICHIGAN TO PAKISTAN, 69- with handicapped children & youth. Mem. bd. dirs., Cove Sch. Wis.; ed. adv. cmt., Am. Found. for Blind; spec. ed. res. adv. cmt., United Cerebral Palsy Assn.; coun. physically handicapped, N.Y. State Bd. Regents; prfl. adv. coun., Nat. Soc. Crippled Children & Adults; pres., Int. Coun. Except. Children; founder & chmn., N.Y. State Planning Coun. for Except. pres., Div. Teacher Ed. Coun. Except. Children; mem. nat. cmt., U.S. Off. Ed. Study on Qualification & Prep. of Teachers of Except. Children; mem. ed. adv. cmt., Fed. Epilepsy Found.; mem. Can.-U.S. Ment. Retardation Study Group, 68-; mem. state adv. cmt., Dept. Ed., Govt. Am. Samoa, 69-. Hon. prof., San Marcos Univ., Lima, 62. Fel. Assn. Ment. Deficiency; Acad. Ment. Deficiency; Acad. Cerebral Palsy; fel. Psychol. Assn. Coun. Except. Children. Publ: Ataxia, Cerebral Palsy, Its individual and community problems, 66; co-auth, The preparation of teachers of brain-injured children, 68 & Misfits in the public schools, 69, Syracuse Univ. Address: University of Michigan, 611 Church St., Ann Arbor, Mich. 48104.
- CRUIT, MICHAEL S.** b. Washington, D.C., Feb. 12, 29; m. 51; c. 2. POLITICAL SCIENCE, PUBLIC ADMINISTRATION. B.A., The Citadel, 52; U.S. Agency Int. Develop. grant, Syracuse, 68-69, M.P.A., 69. Intel. officer, Strategic Air Command, U.S. Air Force, 52-59; mgt. analyst, Interstate Commerce Cmn., 60-61; pub. admin. prog. asst., Mission to Pakistan, U.S. AGENCY INT. DEVELOP., 61-64, ed. prog. asst., Mission to Afghanistan, 64-66, asst. prof., U.S. A. PROF. OFFICER, MICHIGAN TO PAKISTAN, 69-. U.S.A.F., 52-59, Capt. Soc. Pub. Admin.; Polit. Sci. Assn.; Nat. Planning Assn. Planning and administration of overseas programs for economic and social development. Address: 6402 Winston Dr., Bethesda, Md. 20014.
- CRUM, DR. BLAINE C.** b. Newport News, Va., June 30, 39; m. 63; c. 2. PSYCHOLOGY. B.S., Old Dominion, 63; M.S., Georgia, 64, Ph.D. (clin. psychol.), 68. Clin. intern., Milledgeville State Hosp., 66-67; ASST. PROF. PSYCHOL., Georgia, 67-68; SOUTH ALABAMA, 68-. Consult., Voc. Rehab. Serv., 68-. U.S.A.R., 67-68. Behavior modification; established tone economy on chronic psychotic wards; verbal conditioning; attitudes of psychiatrists toward psychological services. Address: Dept. of Psychology, University of South Alabama, Mobile, Ala. 36608.
- CRUMPLER, JAMES P.** b. Mt. Holly, Ark., Feb. 7, 27; m. 63. INDUSTRIAL PSYCHOLOGY. B.A., Arkansas, 49, M.A., 51; N.Y. Univ., 53-55. Staff psychologist, Richardson, Bellows, Henry & Co. Inc., 51-53; proj. dir., Newland & Co. Inc., 53-57; proj. engr., Videomatic Sys., Div. Hughes Aircraft Co., 57-59; mgr., Appl. Comm. Sys., Div. Litton Indus., Inc., 59-62; proj. chief, California, 53-58. U.S.N. 45. Psychol. Assn. Instruction system design; closed circuit television, educational program evaluation, attitudinal surveys. Publ: Co-auth, Closed circuit television systems for industry and technology, Wiley, 70. Address: 4118 Admirable Dr., Portuguese Bend, Calif. 90274.
- CRUTCHFIELD, PROF. JAMES ARTHUR, JR.** b. New London, Conn., Sept. 9, 18; m. 49; c. 2. ECONOMICS. B.A., California, Los Angeles, 40, M.A., 42, Ph.D. (econ.), California, Berkeley, 54. Teaching asst., econ. California, Los Angeles, 40-42; economist, San Diego & Los Angeles Dist. Off. Off. Price Admin., 42-45; teaching asst., econ., California, Berkeley, 46, lectr. sch. bus. admin., 47-49; from asst. prof. to PROF. ECON., WASHINGTON (SEATTLE), 49-. Economist, Seattle Regional Off. Off. Price Stabilization, 50-51; res. resources for future, Inc., 51-52 & 60-62, Wash. State Dept. Fisheries, 56, 62, 63 & 66-67; ASST. PROF. PSYCHOL., 61-62, UN Food & Agr. Orgn., 62, Nat. Sci. Found., 66-67 & 69-70, Wash. State Dept. Water Resources & Fed. Water Pollution Control Admin., 69. Consult., L. P. Smith & Co., 54-55; Ore. State Col., 55-56; U.S. Fish & Wildlife Serv., 62; U.S. Coast & Geod. Surv., 65; Research Agency of Canada, 65-66; Kaiser Indus. & State of Calif., 67-69 UN Develop. Planning, Lake Victoria Fisheries Res. Proj., Uganda, 67-68. Chmn., Faculty Seminar on Pub. Policy Issues in Natural Resources, Washington (Seattle), 64-, mem., Marine Sci. Res. Cmt., 65-66, chmn., Water Resources Res. Group, 65-, mem. tech. adv. cmt., Div. Marine Sci., 67-, chmn., joint sci. cmt., Wash. State Water Res. Center, Washington (Seattle) & Washington State, 66; mem. adv. cmt. fisheries res., Nat. Acad. Sci., 65-, rev. panel for sea grant proposals, 68-; Int. Cmm. of N. Atlantic Fisheries Working Group on Econ. & Biol. Assessment of Fishery Regulation in N. Atlantic, 66-67; Gov. Fishery Adv. Cmt., Wash., 66-, Gov. State Planning Adv. Coun., 67-; Nat. Cmm. Marine Sci., Eng. & Admin. issues, 68-69. Participated in econ. fishery econ. fishery Econ. Assn., Rome, 56; tech. assistance expert, UN Food & Agr. Orgn., Uganda

- & Kenya, 57-58, group country proj, Argentina, Uruguay & Brazil, 60, tech. consult, Conf. on Costs & Earnings of Fishing Enterprises, London, 58, dir, Training Center in Fishery Survey & Develop. Planning, 59, participant, Conf. Fishery Regulation, Montreal, 61, World Tuna Conf, Calif, 62, participant, Conf. tech. adv. Conf. Bus. Decisions, Rome, 64, chief mission, UN Spec. Fund Mission to Ghana, 64 & Spec. Fund to Nigeria, 65; participant, Fed. Reserve Seminar, Calif, 69; participant & rapporteur, Am. Assembly Regional Conf. Monetary Policy, 59; participant, Alaska Conf, AAAS, 59-60; del, Univ. Coun. Water Resources, 64-68; mem. Int. Oceanogr. Found. Econ. Assn. Natural resource economics, especially fisheries, water, air and environmental quality; industrial organization and policy. Publ: Co-auth, Economic aspects of the Pacific Halibut Fishery, Govt. Printing Off, 62, The Pacific Salmon Fishery: a study of irrational conservation, Johns Hopkins, 69 & Benefit cost analysis and the time profile of benefits and costs, Water Resources Res, 4/68, Address: Dept. of Economics, University of Washington, Seattle, Wash. 98105.
- CRUTTENDEN, DR. CHARLES HERBERT.** Geography. See A-K Vol, 11th ed, Soc. & Behav. Vols. New position & address: Instr., School of Architecture, California State Polytechnic College, San Luis Obispo, Calif. 93401.
- CUERVAS-SOSA, DR. ALEJANDRO.** Human & Medical Genetics. See Suppl. VI to 11th ed, Phys. & Biol. Vols.
- CULBERTSON, PROF. FRANCES M.** b. Boston, Mass, Jan. 31, 21; m. 47; c. 4. **CLINICAL & SOCIAL PSYCHOLOGY.** B.S., Michigan, 47, M.S., 49, Ph.D. (psychol), 55. Res. psychologist, Children's Hosp, 57; Cent. Wis. Colony & Training Sch, 58-59; Univ. Wisconsin & State of Wis. fel. clin. psychol, 59-62; clin. psychologist, Wis. Diag. Center, 62-65; acting chief clin. psychol, 65-66; Univ. Wisconsin, 65-66; res. psychologist with Dr. Singer, Berkeley, Calif, 66-67; sch. psychologist, bd. ed. Madison, Wis, 67-68; PROF. PSYCHOL, WIS. STATE, WHITEWATER, 68- Consult & sch. psychologist, campus sch, Wis. State, Whitewater, 68- Psychol. Assn; Soc. Psychol. Study Social Issues. Psychodrama; visual-motor disorders; group therapy with children; twins, social and psychological characteristics. Publ: Modification of an emotionality-held attitude, through role playing, J. Abnorm. & Soc. Psychiat, 3/57; Chap. 19, In: The adolescent, a book of readings, Holt, 60; Comparison of the Bender-Gestalt test and Frostie test in several clinical groups of children, J. Clin. Psychol, 10/66, Address: Dept. of Psychology, Wisconsin State University, Whitewater, Wis. 53190.
- CULLEN, DR. JOHN FRANCIS.** b. Janesville, Minn, Jan. 24, 34; m. 57; c. 3. **CLINICAL PSYCHOLOGY.** A.B., St. Mary's Col, 56; Winthrop fel, Catholic Univ, 58-59, M.A., 60; Ph.D. (clin. psychol), Ottawa, 65. Psychol. intern, Vet. Admin. Hosp, Perry Point, Md, 59-60; clin. psychologist, Lorton Reformatory, Dept. Corrections, D.C. 60-61; coordinator res, Rehab. Inst. Ottawa, 62-65; of psychol, 65-67. **AVIATION PSYCHOLOGY/PSYCHOLOGIST, UNITED AIR LINES DENVER, 67- Lectr. St. Patrick Col, Carleton Univ, 66-67; partner, Psychol. Consult. Serv, Ottawa, 65-67. Mem. Cmty. Flying Psychol. Psychol. Assn; Asn. Aviation Psychol; Aerospace Med. Assn. Psychological aspects of disability, accident and liability; human factors in aviation. Publ: What is behavioral speech? In: The Behavioral Sciences in correctional practice, Govt. D. C. 62; co-auth, Perceptual style differences between airline pilots and engineers, Aerospace Med, 69 & A study of simulated airline pilot incapacitation, In: Free Communication, Int. Cong. Aerospace Med, 69. Address: 6140 Rosewood Dr, Littleton, Colo. 80120.**
- CULLEN, DR. JOSEPH WARREN.** b. Boston, Mass, Nov. 11, 36; m. 64; c. 1. **PSYCHOLOGY, PHYSIOLOGY.** A.B., Boston Col, 54, M.A., 55; Ph.D., 61-62; univ. fel, Fla. State, 65-67, U.S. Pub. Health Serv. fel, 67-68, Ph.D. (exp. psychol), 68. Instr. psychol, Dean Jr. Col, Mass, 65-67; res. assoc, PAVLOVIAN LAB, VET. ADMIN. HOSP, 68-70, RES. PSYCHOLOGIST, 70- AAAS: Psychol. Assn. Behavioral nutrition and endocrinology; taste and behavior. Publ: Effect of a preoperative sugar preference on bar pressing for salt by the adrenalectomized rat & Modification of salt-seeking behavior in the adrenalectomized via gamma-ray irradiation, 69 & Effect of a polydipsia for saccharin-glucose on NaCl appetite in the adrenalectomized rat, 70, J. Comp. & Physiol. Psychol. Address: Pavlovian Laboratory, Veterans Administration Hospital, Perry Point, Md. 21902.
- CULLEY, PROF. JACK F (REDERICK).** Industrial Relations. See A-K Vol, 11th ed, Soc. & Behav. Vols. New position: Dir. spec. prog. bus. Colo. State, 68- Address: 4960 Hogan Dr, Ft. Collins, Colo. 80521.
- CULTON, DR. GERALD L.** b. Omaha, Neb, Oct. 30, 38; m. 60; c. 2. **SPEECH PATHOLOGY, AUDIOLOGY.** B.A., Omaha, 60; M.A., Kansas State, 62; Ph.D. (speech path), Denver, 68. Instr. SPEECH PATH, Colorado, 64-66; ASST. PROF, WISCONSIN STATE-EAU CLAIRE, 68- Speech & Hearing Assn. Aphasia; language disorders. Publ: Co-auth, Visual-spatial neglect subsequent to brain injury, J. Speech & Hearing Disorders, 68; auth, Spontaneous recovery from aphasia, J. Speech & Hearing Res, 69. Address: Speech & Hearing Center, Wisconsin State University-Eau Claire, Eau Claire, Wis. 54701.
- CUMMINGS, PROF. MILTON CURTIS JR.** b. New Haven, Conn, Apr. 23, 33; m. 59; c. 5. **POLITICAL SCIENCE.** B.A., Stanford, Cal, 54, B.P., 56, Oxford, 56; Soc. Sci. Res. Conf. fel, Harvard, 57-59, Ph.D. (polit. sci.), 60. Res. asst. POLIT. SCI., Brookings Inst, 59-61, res. assoc, 61-64, sr. staff mem, 64-65; assoc. prof, HOPKINS, 65-68, PROF, 68, CHMN. DEPT, 70- Soc. Sci. Res. Conf. fel, 63; Nat. Sci. Found. sr. fel, 68-69, Consult, NBC News elections coverage, 62-70. Mem. Cmty. sci. personnel, Soc. Sci. Res. Conf, 68-70, Polit. Sci. Assn, Int. Polit. Sci. Assn, Political parties, elections; public opinion. Publ: Co-auth, The image of the federal service, 64 & ed, The national election of 1964, 66, Brookings Inst; auth, Congressmen and the electorate, Free Press, 66. Address: Dept. of Political Science, Johns Hopkins University, Baltimore, Md. 21218.
- CUMMINGS, DR. RALPH W. JR.** b. Ithaca, N.Y., July 20, 38; m. 61; c. 2. **ECONOMICS.** A.B., North Carolina, Chapel Hill, 60; Nat. Defense Ed. Act fel, Ford Found. & univ. grants, Michigan, 60-63, Ph.D. (econ), 65, Fulbright fel, Delhi, 63-64. Asst. prof. econ, Illinois, 65-67; asst. dir, Midwest Univ. for Int. Activities, 66-67; div. chief, agr. econ, Agency Int. Develop, India, 67-69; asst. prof. econ, Illinois, Urbana, 69-70; MEM. HARVARD ADV. GROUP, INDONESIA, 70- Consult, Agency Int. Develop, 70- Am. Econ. Assn; Am. Agr. Econ. Assn; Indian Soc. Agr. Econ. Analysis of long range agricultural adjustments in India. Publ: Pricing efficiency in the Indian wheat market, Impex India, 67; New agricultural strategy revisited, Econ. & Polit. Weekly, 68; Buffer stocks, In: Seminar on foodgrains buffer stocks in India, Indian Soc. Agr. Econ, 69. Address: C/O The Ford Foundation, P.O. Box 2030, Djakarta, Indonesia.
- CUMMINGS, PROF. RICHARD MARSHALL.** Law, Politics. See 5th ed, Dir. Am. Scholars, Vol. IV, Philos, Relig. & Law.
- CUMMINGS, DR. (SAMUEL) THOMAS.** Psychology. See A-K Vol, 11th ed, Soc. & Behav. Vols. New position: Dir. psychol, Childrens div, Menninger Found, 69- Address: 307 Yorkshire Rd, Topeka, Kans. 66608.
- CUNNINGHAM, DR. GROVER BENNETT JR.** b. Big Spring, Tex, Nov. 27, 24; m. 69; c. 2. **RESEARCH PSYCHOLOGY, LAW.** B.S., Texas, 50, Ph.D. (ed. psychol), 66. Partner, Cunningham & Cunningham, 50-63; consulting psychologist, Child & Family Serv. Agency, 65-66; res. psychologist & assoc. dir, Child Development Eval. & Res. Center, 66-69; PRES, EVAL. RES. ASSOCS, 69- Pres. Ed. Eval. Res. Assocs, 66- Sig. C, U.S.A.A.F., 43-45. Psychol. Assn; Ed. Res. Assn; Nat. Coun. Family Rel; Bar Assn. All inter-relationships of the individual and society—education, law, family, religion and counseling. Address: 610 Park Blvd, Austin, Tex. 78751.
- CUNNINGHAM, PROF. ROBERT L.** Philosophy. See 5th ed, Dir. Am. Scholars, Vol. IV, Philos, Relig. & Law.
- CUNNINGHAM, PROF. WARREN.** Government. See A-K Vol, 11th ed, Soc. & Behav. Vols. New position: Prof. polit. sci. & coordinator soc. sci, 69-, Dept. of Political Science, Miami University, Oxford, Ohio 45056.
- CUNSOLO, DR. RONALD S.** Modern European History. See 5th ed, Dir. Am. Scholars, Vol. I, Hist.
- CUPP, DR. WILLIAM L (EE).** Sociology. See A-K Vol, 11th ed, Soc. & Behav. Vols. New information: Also chmn, 69-, Dept. of Sociology, St. Olaf College, Northfield, Minn. 55057.
- CURCIO, DR. FRANK.** b. Hackensack, N.J., June 22, 42; m. 65. **DEVELOPMENTAL PSYCHOLOGY.** B.A., Rutgers, 64; M.A., Clark, 65, Off. Econ. Opportunity grant, 68-69, Ph.D. (psychol), 69. ASST. PROF. PSYCHOLOGY, BOSTON, 68- Soc. Res. Child Develop; Psychol. Assn. Perceptual and cognitive development in human infants and children. Address: Dept. of Psychology, Boston University, Boston, Mass. 02215.
- CURETON, DR. LOUISE W (TITMER).** Psychology. See A-K Vol, 11th ed, Soc. & Behav. Vols. New information: Prof. Tennessee, 67- Address: 2008 Velmetta Circle, Knoxville, Tenn. 37920.
- CURLEE, DR. RICHARD F.** b. Charlotte, N.C., July 21, 35; m. 58. **SPEECH PATHOLOGY.** B.A., Wake Forest Col, 61; M.A., Southern California, 65, Ph.D. (speech path), 67. ASST. PROF. COMMUNICATIVE DISORDERS, SOUTHERN CALIFORNIA, 67- Co-investr, Soc. Rehab. Serv, U.S. Dept. Health, Ed. & Welfare grant, 69-73. Speech & Hearing Assn. Communicative disorders; exploration of causes and treatment of stuttering. Publ: Co-auth, The effect of punishment of expectancy to stutter on the frequencies of subsequent expectancies and stuttering, J. Speech & Hearing Res, 68; Conversational rate control therapy for stuttering, 69 & Causality in speech pathology, 34: 231-238, J. Speech & Hearing Disorders. Address: Dept. of Communicative Disorders, University of Southern California, University Park, Los Angeles, Calif. 90007.
- CURRAN, CHARLES D (ANIEL).** Economics. See A-K Vol, 11th ed, Soc. & Behav. Vols. New position: Prog. mgr. planning the comprehensive development of Vistula River, Warsaw, Poland, UN Develop. Prog, 68- Address: American Consulate General (Warsaw), APO New York 09757.
- CURRIE, DR. ROBERT JACQUES.** b. Miami, Fla, July 11, 27; m. 55; c. 3. **EDUCATIONAL PSYCHOLOGY.** A.B., Stanford, 53; Ford Found. fel, Southern California, 54-55, M.S. in Ed, 59, Ed.D. (ed. psychol), 66. Teacher, elem. schs, Calif, 54-61; sch. psychologist, Kern Co. Supt. Schs, Off. Bakersfield, 61-65; res. assoc, Welfare Planning Coun, Los Angeles Region, 63-65; asst. prof. ed, Calif. State Col, Long Beach, 65-67; assoc. prof. spec. ed. & chmn. dept, Idaho, 67-69; ASSOC. PROF. SPEC. ED, GEORGE PEA-BODY COL, 69- Dir. ment. health serv. adult deaf proj, Welfare Planning Coun, Los Angeles Region, 66-67; prin. investr, Value Orientations of Parents of Academically Successful & Unsuccessful Children Proj, 66-67. Consult, Spokane County Ment. Health-Ment. Retardation Admin. Bd, Wash, 68-69; State Youth Training Center, St. Anthony, Idaho, 69, U.S.A., 46-47, 50-52, Sgt. Ed. Res. Assn; Psychol. Assn. Relationship of value orientations to behavior; the cultural basis of delinquent behavior; ecological management of deviant behavior. Publ: Co-auth, The mental retardation study of the Los Angeles County, Welfare Planning Coun, Los Angeles, 65; auth, The Idaho child and adult service agency: a cooperative approach to programming for the handicapped, Idaho Task Force on Ed, 68; co-auth, A conceptualized model for community services for the mentally retarded, Except. Children, 1/64. Address: 4005 Copeland Dr, Nashville, Tenn. 37215.
- CURRY, DR. ROBERT RODNEY.** Geomorphology, Ecology. See Suppl. V to 11th ed, Phys. & Biol. Vols.
- CURRY, PROF. ROY WATSON.** History. See 5th ed, Dir. Am. Scholars, Vol. I, Hist.
- CURTIN, DR. MARY ELLEN.** b. Carthage, Ill, Feb. 6, 22; m. 46; c. 2. **PSYCHOLOGY.** B.S., Kentucky, 56, M.S., 59, summer, Nat. Sci. Found. fel, 59, Ph.D. (psychol), 65. Asst. prof. psychol, Eastern Kentucky, 65-68; CLIN.

- RES. PSYCHOLOGIST, VET. ADMIN. HOSP. LEXINGTON, KY, 68- Nurse C, U.S.A. 45-46, 2nd Lt. Psychol. Asn. Learning: choice making for personal preferences; alcoholism. Publ: Co-auth, Interference effects with schizophrenic subjects in acquisition and retention of verbal material, J. Abnormal & Soc. Psychol, 61, A visual illusion in lengths of words: a firend is more than a friend, Psychol. Reports, 65 & Appraisal of a milieu environment by treatment team and patients, J. Clin. Psychol. (in press). Address: Psychology Service, Veterans Administration Hospital, Lexington, Ky. 40507.
- CURTIS, PROF. JOHN M. b. Franklinville, N.C. Aug. 1, 23; m. 48; c. 3. AGRICULTURAL ECONOMICS, ECONOMICS. B.S. N.C. State, 47, M.S. 50; Ph.D. (agr. econ), Maryland, 60. Assoc. prof. AGR. ECON, Va. Polytech, 50-51; N.C. State, 51-55, prof, 55-61; PROF. & HEAD DEPT, MARYLAND, 61- Lectr. Orgn. Econ. Coop. & Develop. Paris, France, 64; sr. scholar, East West Center, Univ. Hawaii, 67-68. Consult, Lyon Assoc., 69-. U.S.A. 40-46, Res. 46-. Lt. Col. AAAS; Am. Econ. Asn; Int. Asn. Agr. Econ. Agricultural marketing; agribusiness management. Address: 4613 Clemson Rd, College Park, Md. 20740
- CURTIS, DR. RUSSELL L. b. Elkins, W.Va., Mar. 6, 38; m. 62; c. 2. SOCIAL PSYCHOLOGY, SOCIOLOGY. B.A. West Virginia, 60; M.A. Kent State, 62; univ. fel. & Howard W. Odum award, North Carolina, 67-68, Nat. Sci. Found. summer award & Ph.D. (sociol), 68. ASST. DEAN men & dir. men's halls, Kent State, 63-65; ASST. PROF. SOCIOL. TEXAS, AUSTIN, 68-. Sociol. Asn. Student socialization in public schools; adolescent valuations of parents as a function of connection to peers; parental restrictiveness and permissiveness and child behavior disorders; birth order and mental stability; study of the audience effect and induced dominant responses; theoretical conceptualizations of alienation. Address: Dept. of Sociology, University of Texas at Austin, Austin, Tex. 78712.
- CURTIS, DR. THOMAS D. b. Marion, Ind. June 14, 35; m. 59; c. 2. ECONOMICS, HISTORY. B.S. Ball State, 57, M.A. 59; Ph.D. (econ), Indiana, 65. Asst. prof. ECON, Arizona, 64-67; ASSOC. PROF. OKLAHOMA, 67-. Relationship between inflation, economic growth and development in the less developed nations of the world. Publ: Land reform, democracy and economic interests in Puerto Rico, Univ. Arizona, 66; Employment and land reform in a labor-surplus economy, J. Land Econ, 67; co-auth, Inflation and economic development, Quart. Rev. Econ. & Bus, 68. Address: Dept. of Economics, University of Oklahoma, Norman, Okla. 73069.
- CURTIS, PROF. WILLIAM HENRY, b. Philadelphia, Pa. June 25, 39. PSYCHOLOGY, SOCIOLOGY. B.A. Mt. St. Mary's Col. (Md), 61; S.T.B. St. Mary's (Md), 63; M.Ed. Loyola (Md), 64; Catholic Univ. Md.-66; Marriage counsr. & counsr, Catholic Univ. 64-66; instr. PSYCHOL. & SOCIOL, Community Col. Phila., 66-67; ASST. PROF. CAMDEN COUNTY COL, 67- Adj. prof, grad. sch. Pa. State, 69; instr. Georgetown, summer 65. Mem. Int. Sci. Cmn. Family, 69. Sociol. Asn; Psychol. Asn. Behavioral problems in marriage and family relations; problems relating to teaching and counseling the community college student. Publ: The self-fulfilling prophecy: its implications for community college teaching, N.Y. County Col. J, 11/69. Address: 1011 Dyre St, Philadelphia, Pa. 19124.
- CURTIS, DR. WILLIAM R. Economics. See A-K Vol, 11th ed, Soc. & Behav. Vols. New position: Regional manpower adminstr, 69-. U.S. Dept. Labor, P.O. Box 8796, Philadelphia, Pa. 19101.
- CURWOOD, DR. SARAH THOMAS. Sociology. See A-K Vol, 11th ed, Soc. & Behav. Vols. New information: Chmn. dept. psychol, Knoxville Col, Tenn, 69-June 70. Address: R.F.D. 1, Box 38, East Barrington, N.H. 03825.
- CUSHMAN, DR. ROBERT F. (AIRCCHILD). Political Science. See A-K Vol, 11th ed, Soc. & Behav. Vols. New position: Prof, N.Y. Univ, 69-. Address: 27 Bennett Ave, Huntington Station, N.Y. 11746.
- CUSKEY, DR. WALTER RAYMOND, b. Boston, Mass, Sept. 1, 34; m. 61; c. 3. SOCIOLOGY, SOCIAL WELFARE. A.B. Boston Col, 61; M.W., 63; Ph.D., Brandeis, 68. Training supvr. community develop, Peace Corps Training Prog, 63; staff assoc. health res. Nat. Cmn. Community Health Serv, Inc, 63-65; dir. res, Worcester State Hosp. Inst. Human Sci, 65-67; instr. COMMUNITY MED, Temple, 68; ASSOC. PENNSYLVANIA, 69-. Res. assoc., Narcotic Rehab. Prog, West Phila. Ment. Health Consortium, 69-. U.S.A.F, 63-57. Pub. Health Asn; Nat. Asn. Soc. Workers. Planning the delivery of medical care services on an area-wide basis. Publ: Mexican-American opiate addicts, In: The epidemiology of opiate narcotic addiction in the United States, C.C. Thomas, 60; co-auth, A rationale for comprehensive health care, Phila. Med, 2/70 & Predicting attrition during the outpatient detoxification of narcotic addicts, Med. Care, (in press). Address: 4219 Chester Ave, Philadelphia, Pa. 19104.
- CUTBERTSON, DR. GILBERT MORRIS. Political Science. See A-K Vol, 11th ed, Soc. & Behav. Vols. Change of address: Dept. of Political Science, Rice University, Houston, Tex. 77001.
- CUTLER, DR. RHODA, b. New York, N.Y. PSYCHOLOGY. A.B. Hunter Col, 47; A.M., N.Y. Univ, 49, Ph.D. (rehab. psychol), 67. Consult. psychologist, N.Y. Asn. New Americans, 48-60; psychol. intern, N.Y. Univ. Med. Center, 60-61, instr. psychiat, 61-66, assoc. prof, sch. ed, N.Y. Univ, 66-68; CHIEF RES. PSYCHOLOGIST, N.Y. MED. COL, 69-. Psychol. consult, part-time, Bur. Child Welfare, 65-68; psychotherapist, Ment. Health Consult. Center, 68. Psychol. Asn. Child development especially the premature and disadvantaged child; drug addiction. Publ: Co-auth, Development of lower-class premature children born in and out of wedlock, J. Soc. Work, 64; Deviant behavior in 2 1/2 year old premature children, Child Develop, 64 & The effects of prenatal and neonatal complications on the development of premature children at age 2 1/2 years, J. Genetic Psychol, 65. Address: 230 E. 88th St, New York, N.Y. 10028.
- CUTLER, DR. RICHARD OSCAR, b. Delavan, Ill, Mar. 8, 30; m. 56; c. 4. GEOGRAPHY. B.A. Fla. State, 55; M.A. Michigan, 57; Ph.D. (geog), Florida, 65. Instr. phys. sci, Florida, 57-62; asst. prof. GEOG, Indiana State, 62-66; assoc. prof. Adams State Col, 66-70; ASSOC. PROF. & CHMN. DEPT, STATE UNIV. N.Y. COL. OSWEGO, 70-. U.S.A. 50-53. Asn. Am. Geog. Soc. Nat. Coun. Geog. Ed. Recreational potential of northeast Florida, especially outdoor recreation and tourism; geography of the San Luis Valley, Colorado, especially outdoor recreation. Publ: The effects of Hurricane Dora on coastal house types, Rocky Mt. Soc. Sci, 1, 68. Address: Dept. of Geography, State University of New York College at Oswego, Oswego, N.Y. 13126.
- CUTRIGHT, DR. PHILLIPS. Sociology. See A-K Vol, 11th ed, Soc. & Behav. Vols. New position & address: Sr. res. assoc, joint center urban studies, Mass. Inst. Tech-Harvard, 69-. Address: 66 Church St, Cambridge, Mass. 02138.
- CUTSUMBIS, DR. MICHAEL NICHOLAS. Sociology. See A-K Vol, 11th ed, Soc. & Behav. Vols. New position & address: Assoc. prof, 69-, Dept. of Sociology, Marietta College, Marietta, Ohio 45750.
- CUYKENDALL, DR. CHARLES H. b. Auburn, N.Y., Aug. 28, 40; m. 68. FARM MANAGEMENT, AGRONOMY. B.S. Cornell, 62; M.S. Minnesota, St. Paul, 65. Ph.D. (agron), 67. Agr. engr, Cornell, 60-62; res. asst. agron, MINNESOTA, ST. PAUL, 62-65, EXTEN. ECONOMIST, 67-. Agr. Econ. Asn, Soc. Agron. Farm management; forage and field crop production. Publ: Co-auth, Performance of berseem clover (trifolium alexandrinum L) as a companion crop, 65 & Defoliation by sheep-grazing versus mower-clipping for evaluation of pasture, 66, Agron. J. Address: Dept. of Agricultural Economics, University of Minnesota, St. Paul, Minn. 55101.
- CYMBALISTY, DR. BOHDAN YAROSLAV. Psychology. See A-K Vol, 11th ed, Soc. & Behav. Vols. New position: Dir. prfnl. serv, 68-. State Home for Boys, Jamesburg, N.J. 08831.
- CZECH, DR. ROBERT STEPHEN. Experimental Psychology. See A-K Vol, 11th ed, Soc. & Behav. Vols. New position: Health scientist adminstr, Nat. Inst. Ment. Health, Chevy Chase, 68-. Address: 12529 Montclair Dr, Silver Spring, Md. 20904.

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- DABBS, DR. JAMES MCBRIDE, JR. Social Psychology. See A-K Vol, 11th ed, Soc. & Behav. Vols. New position & address: Assoc. prof, 70-, Dept. of Psychology, Georgia State University, Atlanta, Ga. 30303.
- DACHOWSKI, DR. MARJORIE MCCORMICK, b. Chicago, Ill, Sept. 26, 32; m. 60; c. 3. PSYCHOLOGY. B.A. Illinois, 54, M.A. 56, U.S. Pub. Health Serv. fcls, 56-58, Ph.D. (clin. psychol), 62. Counsr, Illinois, 62-63; psychol-ogist, Charity Hosp. Sch. Nursing, New Orleans, 63-64; asst. prof. PSYCHOL, DILLARD, 64-65, ASSOC. PROF, 65-. Psychol. consult, Charity Hosp. Sch. Nursing, New Orleans, 64-. Psychol. Asn. Counseling young adults; sex role identification; use of psychological tests in diagnostic evaluation of psychological problems. Address: 366 Milland St, New Orleans, La. 70116.
- DAEHLER, DR. MARVIN W. b. Freeport, Ill, Aug. 13, 42; m. 65; c. 1. PSYCHOLOGY. A.B. Illinois, 64; Nat. Inst. Ment. Health trainee, Minnesota, 64-68, M.A. 66, Ph.D. (child psychol), 68. ASST. PROF. PSYCHOL, MASSACHUSETTS, 68-. Psychol. Asn; Soc. Res. Child Develop. Developmental psychology; cognitive development; attentional and mediational mechanisms in children. Publ: Co-auth, Verbal and nonverbal rehearsal in children's recall, 69 & auth, Children's manipulation of illusory and ambiguous stimuli, discriminative performance and implications for development, 70, Child Develop. Address: Dept. of Psychology, University of Massachusetts, Amherst, Mass. 01002.
- DAFASHY, DR. WAGH G. b. Samalout, Egypt, June 4, 39; m. 68. BUSINESS ADMINISTRATION. B.C. Ain Shams, Cairo, 59; M.B.A. Texas, 62; Ph.D. (acct. quant. methods), Arkansas, 66. Auditor, Acct. Dept. Egypt, 50; asst. prof. BUS. ADMIN. COL. WILLIAM & MARY, 65-69, ASSOC. PROF, 69-. CHMN. DEPT. MGT, 68-. Lectr. George Washington, 66-68; U.S. Army Qm. Sch, Ft. Lee, Va, 67-68. Accounting aspects of business combinations; entity theory of business enterprise; operations research techniques as applied to accounting. Address: 802 Conway Drive, Williamsburg, Va. 23185.
- DAGENAIS, DR. JAMES JOSEPH. Philosophy, Religion. See 5th ed, Dir. Am. Scholars, Vol. IV, Philos, Relig. & Law.
- DAGENAIS, PROF. PIERRE. Geography. See A-K Vol, 11th ed, Soc. & Behav. Vols. Change of address: Faculty of Science & Education, University of Montreal, 90 Bellingham St, Montreal, Que. Can.
- DAGER, PROF. EDWARD Z. (ICCA). Sociology, Social Psychology. See A-K Vol, 11th ed, Soc. & Behav. Vols. New position & address: Prof, 70-, Dept. of Sociology, University of Maryland, College Park, Md. 20742.
- D'AGOSTINO, DR. RALPH B. Mathematical & Experimental Statistics. See Suppl. VI to 11th ed, Phys. & Biol. Vols.
- DAHLE, PROF. THOMAS L. Adult Education, Communication. See 5th ed, Dir. Am. Scholars, Vol. II, Eng, Speech & Drama.
- DAI, PROF. BINGHAM. Psychiatry, Psychology. See A-K Vol, 11th ed, Soc. & Behav. Vols. New information: Emer. prof, 69-. Dept. of Psychiatry & Psychology, Duke University School of Medicine, Durham, N.C. 27706.
- DALE, PROF. GILBERT R. b. Navaho, Okla, Mar. 8, 93; m. 66; c. 3. POLITICAL SCIENCE, EDUCATION. B.A. Southwest, Inst. Tech, 25; M.A. Arkansas, Fayetteville, 36; M.Ed. Missouri-Columbia, 43, D.Ed. 46; M.A. Columbia, 44. Supt. schs, Putnam, Okla, 22-23; head football coach & athletic dir, pub. schs, Okla. 23-26; high sch. prin. & div. supt. schs, Philip-

- pine Islands, 26-29; adv. to inspector schs, Siamese Govt, Bangkok, 29-33; head soc. studies dept, pub. schs, Mo, 34-39; pres. Col. West Africa, Monrovia, Liberia, 39-42; acting dir. admissions, Missouri-Columbia, 45-46; chmn. div. soc. studies, Adams State Col., 46-58; mem. staff, Young Men's Christian Assn, Pueblo, Colo., 58-60; prof. ed., Benedict Col., 60-63; prof. polit. sci. & asst. to pres, Evangel Col. (Mich), 63-64; VTS. PROF. HIST. & POLIT. SCI. & ED. & PSYCHOL, CUMBERLAND COL. (KY), 64- Lectr. Atomic Energy Installation, Los Alamos, N.Mex., 54; Evangel Col., 63-64; acad. coordinator, legis. intern prog, Ky. State Govt, 70-71. Mem. State Bd. Ed, Colo., 55-57. Meritorious Award, Siamese King, 29-33; citation for distinguished serv. to ed, Colo. State Bd. Ed. & Parent Teacher Assn, 55. U.S.N. 18-22, Res. 22-25, 36-55, Lt. Comdr. Soc. Int. Law: Polit. Sci. Assn; Acad. Polit. Sci. International law and administration; state and local government; American national government; history of education. Publ: The odyssey of an American teacher, Am. Press, (in press); Education among primitive West African tribes, 5/50 & Religion and medicine among primitive West African tribes, 6/52, Colo-Wyo. Acad. Sci. Soc. Sci. J. Address: Dept. of Political Science, Cumberland College, Williamsburg, Ky. 40769.
- DALE, DR. LEON A (NRENDW). Economics. See A-K Vol, 11th ed, Soc. & Behav. Vols. New position: Prof. bus. mgt, Calif. State Polytech. Col., Pomona, 69- Address: 12152 Adrian St, Garden Grove, Calif. 92640.
- DALE, DR. MARTHA ERICSON. Clinical Psychology. See A-K Vol, 11th ed, Soc. & Behav. Vols. New position: Consultant, East. Upper Peninsula Ment. Health Clin., 69- Address: Box 9, Newberry, Mich. 49868.
- DALE, DR. PHILIP S. b. Indianapolis, Ind. Feb. 15, 43; m. 65. PSYCHOLOGY, LINGUISTICS. B.S. Chicago, 63; M.A. Michigan, 64, M.S. 66, Ph.D. (commun. sci.), 68. Lectr. prog. psychol. & dept. psychol, WASHINGTON (SEATTLE), 67-68, ASST. PROF. PSYCHOL. & LING. 68- Psychol. Assn; Soc. Res. Child Develop; Ling. Soc. Am. Language development; psycholinguistics; cognitive development. Publ: Co-auth, Models for prisoner's dilemma, J. Math. Psychol., 7/66; auth, Color naming, matching and recognition by pre-schoolers, Child Develop, 12/69; Early language acquisition, In: Encyclopedia of education, Macmillan, (in press). Address: Developmental Psychology Lab, University of Washington, Seattle, Wash. 98105.
- DALES, DR. GEORGE FRANKLIN. South Asian & Near Eastern Archaeology. See 5th ed, Dir. Am. Scholars, Vol. 1, Hist.
- D'ALESSIO, DR. JUAN CARLOS. Philosophy. See 5th ed, Dir. Am. Scholars, Vol. IV, Philos, Relig. & Law.
- DALGLEISH, DR. DONALD DOUGLAS. b. Kamloops, B.C., May 1, 30; U.S. citizen; m. 58; c. 2. POLITICAL SCIENCE, FOREIGN POLICY. B.A., Carleton Col., 52; M.A. Columbia, 54; Ph.D. (polit. sci.), Colorado, 63. Est.-state-planner, Am. Underwriters, Inc. 58; ins. inspector, Retail Credit Corp., summer 58; part-time instr. Am. govt, Colorado, 59-62; asst. prof. COMP. GOVT, Arizona State, 62-66; vis. asst. prof, Colorado, 66-67; ASST. PROF., ARIZONA STATE, 67- Fullbright fel. polit. sci., Munich, 60-61. Intel. C., U.S.A. 54-57. Polit. Sci. Assn; Asst. Slavic Studies, Comparative government; West German political realism; East German totalitarian government; Soviet psychological warfare. Publ: Co-auth, Slavery, autonomy & biography, In: The handbook of historical concepts, Philos. Library, 67; auth, The German democratic government, In: The changing face of communism in Eastern Europe, Arizona State Univ, 70. Address: Dept. of Political Science, Arizona State University, Tempe, Ariz. 85281.
- DALL, DR. JOHN JOSEPH, JR. b. Perth Amboy, N.J., Oct. 4, 34; m. 58; c. 2. ECONOMICS, ECONOMIC HISTORY. B.S., Seton Hall, 59, M.A., 62, M.A., 63; Ph.D. (econ. hist.), Pennsylvania, 68. Asst. prof. ECON., La Salle Col., 63-69; ASSOC. PROF., SETON HALL, 69- U.S.A. 52-55. Asia Soc; Econ. Hist. Assn. Computerization of the Japanese address system; Japanese agricultural development. Publ: Editor's manual for the Japanese address system, Triangle Pub. 65. Address: 19 Merker Dr, Edison, N.J. 08817.
- DALTON, PROF. ROBERT H (ATCHER). Psychology. See A-K Vol, 11th ed, Soc. & Behav. Vols. Change of address: Division of Mental Health, St. Thomas, V.I. 00801.
- DALY, PROF. DONALD JAMES. Economics. See A-K Vol, 11th ed, Soc. & Behav. Vols. New position & address: Prof. 69-, Faculty of Administrative Studies, York University, 3700 Keele St, Downsview, Ont. Can.
- DALY, DR. HERMAN E. b. Houston, Tex, July 21, 38; m. 63; c. 2. ECONOMICS. B.A., Rice, 60; Ph.D. (econ), Vanderbilt, 67. Instr. ECON, Vanderbilt, 64; asst. prof. La. State, 64-67; Ford Found. vis. prof, Ceara, 67-68; ASSOC. PROF., LA. STATE, BATON ROUGE, 68- Res. assoc., Yale, 69-70. Econ. Assn. Economic development; populism; Latin America. Publ: A brief analysis of Uruguayan trade control, 67 & Population question in northeast Brazil, 7/70. Econ. Develop. & Cultural Change, On Economics as a life science, J. Polit. Econ., 7/68. Address: Dept. of Economics, Louisiana State University, Baton Rouge, La. 70803.
- DAMARIN, DR. FRED L (OUTS), JR. Psychology. See A-K Vol, 11th ed, Soc. & Behav. Vols. New position & address: Assoc. prof., 69-, Dept. of Psychology, University of Delaware, Wolf Hall, Newark, Del. 19711.
- DAMAS, DR. DAVID JOHN. Anthropology. See A-K Vol, 11th ed, Soc. & Behav. Vols. New position & address: Assoc. prof., 69-, Dept. of Sociology & Anthropology, McMaster University, Hamilton, Ont. Can.
- D'AMATO, DR. ANTHONY A. Political Science. See A-K Vol, 11th ed, Soc. & Behav. Vols. New position & address: Assoc. prof., 70-, Law School, Northwestern University, Chicago, Ill. 60611.
- DAMBAUGH, DR. LUELLA N. Geography. See A-K Vol, 11th ed, Soc. & Behav. Vols. Change of address: University of Miami, 309-2 Merrick Bldg, Coral Gables, Fla. 33124.
- DAMM, DR. VERNON JOHN, b. Toledo, Ohio, Aug. 29, 23; m. 52; c. 5. EDUCATIONAL PSYCHOLOGY, HUMAN RELATIONS. B.A., Houghton Col., 52; M.A., Bowling Green State, 54; Ed.D. (ed. psychol), Oregon, 67. Spec. class teacher, Pub. Sch. Syst., Camden, N.J. 52-53; assoc. prof. psychol, Oregon State, 56-58; DIR. CURRICULUM DEVELOP., SCH. NURSING, PORTLAND, 68. Lectr. Alberta, 60, U.S.N., 43-46. Psychol. Assn. Ed. Res. Assn; Nat. Coun. Measurement in Ed. Personality assessment; curriculum development and assessment. Publ: Co-auth, Relationship of the personal orientation inventory to the Edwards Personal Preference Schedule, Psychol. Reports, 69; auth, Overall measures of self-actualization derived from the Personal Orientation Inventory, Ed. & Psychology, Measurement, 69 & Creativity and intelligence: research implications for equal emphasis in high school, Except. Children, 70. Address: Curriculum Project, University of Portland School of Nursing, 5000 N. Willamette Blvd, Portland, Ore. 97203.
- DANA, PROF. RICHARD H (ENRY). Psychology. See A-K Vol, 11th ed, Soc. & Behav. Vols. New position & address: Prof. 69-, Dept. of Psychology, University of Arkansas, Fayetteville, Ark. 72701.
- D'ANDREA, DR. THOMAS JAMES. Psychology. See A-K Vol, 11th ed, Soc. & Behav. Vols. New position & address: Fel. 69-, Center for Research in Human Learning, University of Minnesota, 400 Ford Hall, Minneapolis, Minn. 55455.
- DANELLIS, DR. CONSTANTINE, b. Athens, Greece, Apr. 5, 36; m. 60; c. 2. BUSINESS FINANCE, ECONOMICS. B.Sc., Ohio State, 59, M.B.A., 61, Ph.D. (finance), 65. Instr. BUS, Ohio State, 63-64; asst. prof. Sacramento State Col., 64-66; Santa Clara, 66-67; SAN JOSE STATE COL., 67-68, ASSOC. PROF., 68- Participat. annual forum on financial management, 68-69. Econ. Assn; Finance Assn. Business finance and economics; credit. Publ: The development of financial management literature, J. Finance, 3/67; co-auth, The finance function in small business firms, J. Small Bus. Mgt., 4/67. Address: School of Business, San Jose State College, San Jose, Calif. 95114.
- DANGERFIELD, DR. ROYDEN. Political Science. See 11th ed, Soc. & Behav. Vols, deceased 69.
- DANIEL, DR. KATHRYN BARCHARD. Educational Psychology, Counseling. See A-K Vol, 11th ed, Soc. & Behav. Vols. New position: Prof. ed. psychol, South Carolina, 69- Address: 301 N. Stonehedge Dr, Columbia, S.C. 29210.
- DANIEL, DR. LARK. Psychology. See A-K Vol, 11th ed, Soc. & Behav. Vols. New position & address: Dir. & gen. mgt, 69-, Hawaii ETV Network, 1776 University Ave, University of Hawaii, Honolulu, Hawaii 96822.
- DANIELIAN, DR. JACK. Social Psychology. See A-K Vol, 11th ed, Soc. & Behav. Vols. New position: Asst. prof. Southampton Col., 68- Address: 94 Cross St, Methuen, Mass. 01844.
- DANIELS, DR. MARK R. b. Vancouver, B.C., June 15, 38; m. 64; c. 1. ECONOMICS. B.Com. British Columbia, 61; Ph.D. (econ), Hopkins, 66. ASST. PROF. ECON, McGill, 65-66; BROWN, 66- Econ. Policy fel. Econ. Assn. Microeconomic theory; international and urban economics. Publ: Differences in efficiency among industries in developing countries, Am. Econ. Rev., 3/69. Address: Dept. of Economics, Brown University, Brown Station, Providence, R.I. 02912.
- DANIELSON, DR. JOHN T (ALMADGE), b. Warwick, R.I., Aug. 9, 42; m. 64; c. 2. EXPERIMENTAL PSYCHOLOGY. B.S., Rensselaer Polytech. Inst., 64; Nat. Sci. Found. fel. & Sc.M., Brown, 66, U.S. Pub. Health Serv. fel. & Ph.D. (psychol), 69. ASST. PROF. PSYCHOL., MASSACHUSETTS, 68- AAAS. Sensory psychology; visual electrophysiology; correlation of behavior with electrophysiological data. Publ: Increment sensitivity of the eye of Limulus, Vision res, 70. Address: Dept. of Psychology, University of Massachusetts, Amherst, Mass. 01002.
- DANIELSON, DEAN WAYNE ALLEN. Journalism, Communication. See A-K Vol, 11th ed, Soc. & Behav. Vols. New position & address: Dean, 69-, School of Communication, University of Texas, Austin, Tex. 78712.
- DANKS, DR. JOSEPH H. b. Effingham, Ill., Oct. 8, 43; m. 65. PSYCHOLOGY, PSYCHOLINGUISTICS. B.A., DePauw, 55; U.S. Pub. Health Serv-Nat. Inst. Ment. Health fel., Princeton, 66-68, Ph.D. (psychol), 68. ASST. PROF. PSYCHOL., KENT STATE, 68-, res. fel. summer 69. AAAS; Ling. Soc. Am. Problem solving: memory; cognitive development. Publ: Grammaticalness and meaningfulness in the comprehension of sentences, J. Verbal Learning & Verbal Behav., 69; co-auth, Grammatical structure and recall: a function of the space in immediate memory or of recall delay?, Perception & Psychophysics, 69 & Psychological scaling of linguistic properties, Lang. & Speech, 70. Address: Dept. of Psychology, Kent State University, Kent, Ohio 44240.
- DANOFF, DR. MALCOLM N. b. Ottawa, Ont., June 2, 33; U.S. citizen; m. 65; c. 1. PSYCHOLOGY. B.A., Vanderbilt, 55, M.A., 56; Ph.D. (psychol), Purdue, 62. State psychologist, Tenn. Dept. Spec. Ed., 56; instr. psychol. trainee, Vet. Admin. Hosp., 59-62; staff scientist, Hemetrics div., Thokol Chem. Corp. 62-64; res. assoc. human factors, Planning Res. Corp., 64-67; SR. RES. SCIENTIST, AM. INSTS. FOR RES., 67- U.S.A., 57-59, 1st Lt. Psychol. Asst. Systems analysis; performance appraisal; training research. Publ: Proficiency flying program: pilot performance analysis, Planning Res. Corp. 68; Study of the Staff Commander Submarine Force Pacific Fleet, Vol. II, In: Automatic data processing support recommendations, Planning Res. Corp. 66; co-auth, Design for a cooperative longitudinal study of exemplary school systems, Am. Insts. Res., 69. Address: American Institutes for Research, P.O. Box 1113, Palo Alto, Calif. 94302.
- DANSEREAU, F.R. KIRK, b. Baltimore, Md., Sept. 22, 21; m. 49; c. 2. SOCIOLOGY, S.S. Maryland, 43; M.A., West Virginia, 45, Ph.D. (labor econ), Mich. State, 58. Asst. prof. soc. sci., Presby. Jr. Col., 49-50; instr. sociol, Mich. State Col., 52-53; from asst. prof. to assoc. prof., Mississippi, 53-57; from asst. prof. to assoc. prof., Pa. State, 57-69; PROF.

- SOCIOLOG. & ANTHROPO. WESTERN KENTUCKY, 69- Welfare Admin. res. grant, 64-65; Fulbright lectr, Middle East Tech, Ankara, 65-66. Mem. econ. indirect effects of hwy. improv. Hwy. Res. Bd.-Nat. Acad. Eng. 64-67, socioecon. aspects of hwy. 67-70. A.U.S. 43-46, S/Sgt. Socio. Assn. Impact of highway development on the community; community involvement of organized labor; sociology of work; industry-community relations; curricular and research interest in manpower development and training. Publ: Work and the teenager, Annals, 61; Work and the teen-age blue-collarite, In: Blue collar work, Prentice-Hall, 64; Highway development: attitudes and economic climate, In: Transportation impacts and attitude surveys, Nat. Res. Coun. Hwy. Res. Bd. 67. Address: Dept. of Sociology & Anthropology, Grise Hall, Western Kentucky University, Bowling Green, Ky. 42101.
- DANZGER, DR. M. HERBERT, b. New York, N.Y., Dec. 11, 34; m. 59; c. 3. SOCIOLOGY. B.A. Yeshiva, 56; fels. City Col. New York, 60-62; M.A. Columbia, 62, Ph.D.(sociology), 68. Lectr. SOCIOLOG. Queens Col.(N.Y.), 62-65; instr. State Univ. N.Y. Stony Brook, 65-67; ASST. PROF. LEHMAN COL. 67-70. Nat. Insts. Health grant, 66-67; City Univ. New York summer res. grant, 70. Socio. Assn; Soc. Sci. Study Relig. Community power structure and conflict; social movements; sociology of religion; political sociology. Publ: Community power structure: problems and continuities, Am. Sociol. Rev. 10/64, A quantified description of community conflict, Am. Behav. Scientist, 10-12/68 & The changing university, Jewish Horizon, 5-6/69. Address: Dept. of Sociology, Herbert H. Lehman College, Bedford Park Blvd. W. Bronx, N.Y. 10468.
- DARBY, DR. JOSEPH JAMES. Law, Political Science. See 5th ed, Dir. Am. Scholars, Vol. IV, Philos. Relig. & Law.
- DARDANO, DR. JOSEPH (FRANCIS). Experimental Psychology. See A-K Vol. 11th ed, Soc. & Behav. Vols. New position & address: Asst. prof. med. psychol. 69- Johns Hopkins School of Medicine, Room 719, Traylor Bldg, 720 Rutland Ave, Baltimore, Md. 21205.
- DARDEN, DR. BILL RAY. Marketing. See A-K Vol. 11th ed, Soc. & Behav. Vols. New position & address: Assoc. prof. mkt. 69-, University of Georgia, Meigs Hall, Athens, Ga. 30601.
- DARITY, DR. WILLIAM ALEXANDER. Health Education. See A-K Vol. 11th ed, Soc. & Behav. Vols. New information: Also head, 69-, Dept. of Public Health, University of Massachusetts, Draper Hall, Amherst, Mass. 01002.
- DARLING, DR. JOHN ROTHBURN, JR., b. Holton, Kans. Mar. 30, 37; m. 58; c. 3. BUSINESS/ECONOMICS. B.S. Alabama, 59, M.S. 60; Ph.D.(mkt. econ), Illinois, 67. Dept. mgr. J.C. Penney Co. 60-63; acct. sch. agr. Illinois, 63-65, teaching asst. univ. 65-66; asst. prof. MKT, Alabama, 66-68; ASSOC. PROF. MISSOURI-COLUMBIA, 68- Sr. partner, Mgt. Consult. Assocs. Columbia, Mo. 69- U.S.A.F. 54-62. Mkt. Assn; Econ. Assn. Impact of cycle business fluctuations on industrial business operations; business failure trends and causes; new product and brand market research; retail and wholesale management problems; international trade. Publ: Co-auth. Introduction to retail administration, Wiley, 71; Toward making the systems approach work for marketing operations, In: Marketing involvement in society and the economy, Am. Mkt. Assn, 69; An analysis of the environments of marketing operations utilizing a systems framework, South. J. Bus. 4/70. Address: Dept. of Marketing, 234 Business and Public Administration, University of Missouri-Columbia, Columbia, Mo. 65201.
- DARNTON, DR. DONALD CHARLES. Economics. See A-K Vol. 11th ed, Soc. & Behav. Vols. New information: Dir. spec. acad. prog., Va. Polytech, 69-Address: 1204 Highland Ave, Blacksburg, Va. 24060.
- DARR, PROF. JOHN (WALKER). Business Management. See A-K Vol. 11th ed, Soc. & Behav. Vols. New position & address: Prof. 69-, University of Dayton, 308 Miriam Hall, Dayton, Ohio 45409.
- DARZINS, DR. ANSIS LUIS, b. Mar. 24, 30; U.S. citizen. ECONOMICS, PHILOSOPHY. B.B.A. Minnesota, 57, M.A. 59; Woodrow Wilson fel. Hopkins, 59-60; Ph.D.(philos.), Am. Acad. Asian Studies, 66. Instr. econ. Minnesota, 57-59; Hopkins, 59-60; DIR. DARSZINS MATH. & ECONOMET. CONSULT. SAN FRANCISCO, CALIF. & ATHENS, GREECE, 63-; PROF. MID. EAST ECON. & PHILOS. AM. ACAD. ASIAN STUDIES, 66- Lectr. Golden Gate Col. 63 & 66; economet. model builder for various gov. & private parties, 63-66; asst. prof. San Francisco State Col. 63-66; lectr. Lincoln (Calif.) 63-67; Appl. econ. develop. consult. & contract negotiator, Portugal, Greece, West Germany & Belgium, 67- Assn. Symbolic Logic; Economet. Soc. Scientific methodology: social, natural and formal sciences; foundations of pure mathematical logic; history of science; theory of aesthetics. Publ: Information theory and market structure, Am. Acad. Asian Studies, 66; The unambiguous characterization problem..., Int. Logic Symp. Hanover, Germany, 66 & The unambiguous characterization problem continued, Int. Cong. Logic, Math. & Philos. Sci. Amsterdam, Holland, 67. Address: 1911 46th Ave, San Francisco, Calif. 94116.
- DAS, DR. GOPAL DWARKA. Neuroembryology, Neuroanatomy. See Suppl. VI to 11th ed, Phys. & Biol. Vols.
- DAS, PROF. JAGANNATH P., b. Puri, India, Jan. 20, 31; m. 55; c. 2. PSYCHOLOGY. B.A. Utkal, India, 51; M.A. Patna, 53; Ph.D.(psychol.), London, 57. Lectr. psychol. Utkal, India, 58-61, reader, 61-63 & 65-68; Kennedy Found. prof. George Peabody Col. 63-64; vis. assoc. prof. California, Los Angeles, 64-65; RES. PROF. MENT. RETARDATION, CENTER STUDY MENT. RETARDATION, ALBERTA, 68- Am. Psychol. Assn; Can. Psychol. Assn. Verbal behavior including conditioning, hypnosis and semantic satiation: mental retardation—orienting responses, memory and verbal ability. Publ: Mental retardation in India, In: International review of research in mental retardation, Acad. Press, Vol. III, 68 & Verbal conditioning and behaviour, Pergamon, Oxford, 69; Pavlovian theory of hypnosis, J. Ment. Sci., 58. Address: 751 Education Building, University of Alberta, Edmonton 7, Alta, Can.
- DASCHBACH, DR. JAMES M (CLOSKEY), b. Medford, Mass. July 29, 32; m. 65; c. 3. INDUSTRIAL ENGINEERING, MANAGEMENT. B.S.A.E. Notre Dame, 54; M.B.A. Southern Methodist, 61; Ph.D.(indust. eng.), Okla. State, 66. Flight test engr. Gen. Dynamics/Convair, Tex. 57-59, custom serv. engr. 59-60; aero commander, Div. N.Am. Rockwell, 60-63, qual. control engr. 60-64; instr. INDUST. ENG. & MGT, Okla. State Univ. 64-66; asst. prof. dept. mech. eng. NOTRE DAME, 66-69, ASSOC. PROF. DEPT. AERO-SPACE & MECH. ENG. 69- Nat. Safety Coun. proposal develop. grant, Chicago, Ill. 68- U.S.A.F. 54-57, Res. 58-, Maj. Application of industrial engineering techniques to hospital management and elements of society, such as machine shop and foundry; interface of management and labor; armed services management policies and their implementation. Publ: The community as a laboratory for teaching, Eng. Ed. 11/67; co-auth. How much emergency power should a hospital plan, Hospitals, 6/68 & Developing a job description—in figures, Indust. Eng. 4/70. Address: Dept. of Aerospace & Mechanical Engineering, University of Notre Dame, Notre Dame, Ind. 46556.
- DAS GUPTA, PROF. SOMESH, b. Calcutta, India, Sept. 3, 35; m. 64. STATISTICS, MATHEMATICS. B.Sc.(hons), Calcutta, 53, M.A. 56; scholar, Indian Statist. Inst. 57-60; Ph.D.(statist), North Carolina, Chapel Hill, 62. Res. asst. psychomet. North Carolina, Chapel Hill, 60-62; instr. STATIST. COLOMBIA, 62-63, asst. prof. 63-64; Indian Statist. Inst. 64-65, assoc. prof. 65-67; MINNESOTA, MINNEAPOLIS, 67-70, PROF. 70- Dir. Statist. Consult. Serv., Columbia Univ. Grants Cmm. Govt. of India, 65-67, Consult. psychomet. lab, Indian Statist. Inst. 57-60. Inst. Math. Statist. Multivariate analysis; statistical inference; psychometrics. Publ: Co-auth. Properties of power functions of tests in Manova, 64 & auto, Optimum classification rules, 65, Am. Math. Statist.; Step-down multiple decision rules, In: Professor S. N. Roy Memorial Volume, Univ. North Carolina, 70. Address: Dept. of Statistics, University of Minnesota, Minneapolis, Minn. 55455.
- DASHEVSKY, DR. SIDNEY G., b. New York, N.Y., Aug. 18, 34; m. 65; c. 1. CLINICAL PSYCHOLOGY. A.B. New Mexico Highlands, 58; M.A. Rochester, 60, Ph.D.(psychol.), 68. Staff asst. test construct. Psychol. Corp. 65; mgt. psychologist, PPG Industries, Inc. 65-67; asst. prof. psychol. York Col.(Pa.) 67-68, assoc. prof. 68-69; PSYCHOLOGIST, BEHAV. THER. CENTER OF YORK, 68- Consult. inst. behav. ther. sch. med. Temple, 68; Taylor Manor Hosp. Ellicott City, Md. 69-; ment. health center, Polyclinic Hosp. Harrisburg, Pa. 70- U.S.A.F. 52-56. Psychol. Assn; Assn. Adv. Behav. Ther. Perception as influenced by motivation and learning; applications of behavior therapy in psychoses. Publ: Check-reading I & Check-reading II, J. Appl. Psychol., 63. Address: The Behavior Therapy Center of York, 268 E. Market St, York, Pa. 17402.
- DASLER, DR. ADOLPH R (ICHARD). Physiology. See Suppl. V to 11th ed, Phys. & Biol. Vols.
- DATTEL, DR. WILLIAM (EMIL). Psychology. See A-K Vol. 11th ed, Soc. & Behav. Vols. Change of address: R.R. 2, Box 4723, Carmel, Calif. 93921.
- DATOR, DR. JAMES ALLEN. Political Science. See A-K Vol. 11th ed, Soc. & Behav. Vols. Change of address: Dept. of Political Science, University of Hawaii, Honolulu, Hawaii 96822.
- DAUBNER, PROF. EDWARD V., b. Elizabeth, N.J., Aug. 6, 11; m. 37. GUIDANCE & COUNSELING, PHILOSOPHY. B.S. Fordham, 34, M.A. 39; Rutgers, 39-50. Teacher, dean of boys, counsr. & admin. asst. elem. sch. & sr. high schs. N.J. 34-50; from asst. prof. to ASSOC. PROF. ED. & COORDINATOR COUNSR. ED. PROG. LOYOLA COL. 50- Mem. exec. cmt. Nat. Cath. Guid. Conf. 54-63, prog. chmn. nat. conventions, 55, 57 & 60; mem. bd. ed. parochial schs. Baltimore, Md. 66-69. Personnel & Guid. Assn; Nat. Voc. Guid. Assn; Assn. Coun. Ed. & Supv. Philosophy of counseling; educational psychology. Publ: Teacher as counselor, Taxonomy of student problems & Significant literature for counselors of adolescents, In: Counseling the adolescent readings, Chandler Publ. 67; co-auth. Epistemology & school counseling, Personnel & Guid. J. 2/69. Address: 24 Charles Lane, Baltimore, Md. 21204.
- DAUW, DR. DEAN C., b. Rock Island, Ill. July 31, 33; m. 67. PSYCHOLOGY, MANAGEMENT. B.S. Spring Hill Col. 51, M.A. Col. St. Thomas, 61; Sci. Res. Assocs. fel. Minnesota, Minneapolis, 62-64, Nat. Inst. Ment. Health fel. 65, Ph.D.(psychol.), 65. Consult. psychologist, Humber, Mundie & McClary, 64-65; McMurry Co. 65-66; dir. personnel res. CNA Financial Corp. 66-69; ASSOC. PROF. MGT. DE PAUL, 69- PRES. HUMAN RESOURCE DEVELOPERS, 69- Exec. dir. Int. Assn. Exec. Consult. 69-; chmn. bd. Orgn. Develop. Corp. 70- Consult. various corp. 65-; U.S. Civil Serv. Cmn. 70- Psychol. Assn; Personnel & Guid. Assn; Nat. Voc. Guid. Assn. Creativity in individuals; innovation in organizations; management development; executive consulting. Publ: Co-auth. Minority relations in management, 70 & Creativity, Innovation and creativity in organizations, 70 Simon & Schuster. Bridging the Creativity innovation gap, J. Creative Behav. 69. Address: 1212 Lake Shore Dr, Chicago, Ill. 60610.
- DAVENPORT, DR. DONALD GENE. Psychology. See A-K Vol. 11th ed, Soc. & Behav. Vols. New information: Also dir. behav. lab. St. Louis, 60- coordinator exp. psychol. 68-, Dept. of Psychology, St. Louis University, 221 N. Grand St. Louis, Mo. 63103.
- DAVID, LILY MARY. Economics. See A-K Vol. 11th ed, Soc. & Behav. Vols. New position: Chmn. div. wage & standards, of pol. develop. Off. of Asst. Secy. for Policy, Eval. & Res. U.S. Dept. of Labor, 69- Address: 4647 Third St. S., Arlington, Va. 22204.
- DAVID, MILTON LEO. Agricultural Economics. See A-K Vol. 11th ed, Soc. & Behav. Vols. New position: V-pres, 69-, Agri. Division, Dunlap & Associates, Inc. P.O. Box 727, Manhattan, Kans. 66502.
- DAVID, PROF. PAUL (THEODORE). Economics, Political Science. See A-K Vol. 11th ed, Soc. & Behav. Vols. Change of address: Route 5, Box 335-B, Charlottesville, Va. 22901.

- DAVID, DR. STEPHEN H(ARK), b. Brooklyn, N.Y., June 18, 34; m. 62. POLITICAL SCIENCE. B.A., Columbia, 56; LL.B., Harvard, 59; Ph.D. (pub. law, gov't), Columbia, 67. Res. asst., N.Y. State Cmn. Govt. Oper. City New York, 60; teaching asst. pub. admin., Columbia, 62-64; ASSOC. PROF. POLIT. SCI., FORDHAM, 65-Res. assoc. Addict. Serv. Agency-Nat. Inst. Ment. Health Horizon Proj. Eval. Inst. Soc. res. Fordham, 69-Consult. prof. admin. New York youth serv. Inst. Pub. Admin., 63; WCBTS TV, 68- Polit. Sci. Assn. Urban affairs with specialties in social welfare, health and education. Publ: Co-auth., Pluralism and race & auth., The reorganization of New York City's community action program, In: New York City: politics and race, Praeger, 70. Address: Dept. of Political Science, Fordham University, Bronx, N.Y. 10458.
- DAVIDS, PROF. LEWIS E(DMUND). Business Economics. See A-K Vol, 11th ed, Soc. & Behav. Vols. New information: Chmn. bd. Dir. Publ. Inc., 68-; ed, The Bank Bd, 69- Address: School of Business & Public Administration, University of Missouri, Columbia, Mo. 65201.
- DAVIDSON, PROF. DONALD. Philosophy. See 5th ed, Dir. Am. Scholars, Vol. IV, Philos., Relig., & Law.
- DAVIDSON, DR. ELWIN RICHARD, b. Charlotte, N.C., Jan. 17, 39; m. 67; c. 1. EXPERIMENTAL PSYCHOLOGY. A.B., South Carolina, 62; M.A., 65; Ph.D. (psychol), 68. Staff psychologist, Cent. State Hosp., Milledgeville, Ga. 68; ASSOC. PROF. EXP. PSYCHOL., VALDOSTA STATE COL., 68- Effects of early environmental experience on adult behavior in animals. Address: Dept. of Psychology, Valdosta State College, Valdosta, Ga. 31601.
- DAVIDSON, PROF. JACK RICHARD. Economics, Agricultural Economics. See A-K Vol, 11th ed, Soc. & Behav. Vols. New information: Also chmn., Dept. of Agricultural Economics, University of Hawaii, Honolulu, Hawaii 96822.
- DAVIDSON, DEAN SIDNEY. Accounting, Economics. See A-K Vol, 11th ed, Soc. & Behav. Vols. New information: Also dir., Graduate School of Business, University of Chicago, Chicago, Ill. 60637.
- DAVE, DR. BRUCE FENWICK. Economics. See A-K Vol, 11th ed, Soc. & Behav. Vols. New information: Also dir., 69- Office of Institutional Research, Georgetown University, Washington, D.C. 20007.
- DAVIS, DR. ARVILLE (DEAN). Psychology. See A-K Vol, 11th ed, Soc. & Behav. Vols. Change of address: 10021 Hopkins Rd. S.W., Tacoma, Wash. 98498.
- DAVIS, DEAN BERNARD. Economics. See A-K Vol, 11th ed, Soc. & Behav. Vols. New information: Also dean student affairs, 69-, Berea College, Berea, Ky. 40403.
- DAVIS, DR. CHARLES HARGIS. Information Science. See Suppl. V & VI to 11th ed, Phys. & Biol. Vols.
- DAVIS, DR. EDWARD WILSON, b. Thomaston, Ga., Aug. 4, 35; m. 62; c. 1. ADMINISTRATIVE SCIENCE, OPERATIONS RESEARCH. B.M.E., Ga. Inst. Tech., 57, M.S.I.E., 60; Swiss Fed. Inst. Tech. 67-68; M.Phil., Yale, 67, Ph.D. (admin. sci.), 68. Asst. Instr. mech. eng. Ga. Inst. Tech., 58-59; res. assoc. hosp. systems, Ga. Inst. Tech., 59-60; staff assoc. ops. res. Oper. Res. Inc. 60-64; ASST. PROF. BUS. ADMIN., HARVARD, 68- Consult. Bucher-Guyer Ltd., Zurich, Switzerland, 58-61; Dunlap Assocs., Inc., 67- Oper. Res. Soc. Am. Inst. Mgt. Sci., Am. Inst. Indust. Eng. Brit. Oper. Res. Soc. Network planning models; commercial and military distribution/logistics systems; urban transportation systems. Address: Morgan 9, Harvard University, Boston, Mass. 02163.
- DAVIS, PROF. F(LOYD) JAMES. Sociology. See A-K Vol, 11th ed, Soc. & Behav. Vols. New information: No longer chmn., Dept. of Sociology, California State College at Fullerton, Fullerton, Calif. 92631.
- DAVIS, DR. HANK, b. New York, N.Y., July 6, 41; m. 67. EXPERIMENTAL PSYCHOLOGY. A.B., Columbia, 63; A.M., Boston, 65; Ph.D. (psychol), Maryland, 68. Asst. Maryland, 64-67; res. assoc., 67-68; ASST. PROF. PSYCHOL., CALIF. STATE COL., LOS ANGELES, 68- Res. psychologist, Naval Med. Res. Inst., Md. 65 & 66-67. Psychol. Assn. Experimental analysis of behavior; aversive control of behavior; infra-human social behavior. Publ: Conditioned suppression: a survey of the literature, Psychonomic Monogr. Suppl. 68; Conditioned suppression under positive, negative, and no contingency between conditioned and unconditioned stimuli, J. Exp. Anal. Behav., 69; Social interaction and Sidman avoidance performance, Psychol. Record, 69. Address: Dept. of Psychology, California State College at Los Angeles, Los Angeles, Calif. 90032.
- DAVIS, DEAN JAMES NATHANIEL, JR., b. Dierks, Ark., May 12, 25; m. 45; c. 4. BUSINESS ADMINISTRATION. B.S.B.A., Arkansas, 52, M.B.A., 53, Ph.D. (econ), 62. Assoc. prof. bus. & econ., Mississippi, 59-63; chmn. dept. econ., Texas A&I, 63-64; econ. & bus. admin., Southwest. Col. (Kans.), 64-66; econ., Northwest. State Col. (La.), 66-68; bus. mgt., POINT PARK COL., 68-69, DEAN, 69- U.S.A.F., 43-50, Res. 50-, Lt. Col. Econ. Assn. Quantitative methods of decision making. Address: Point Park College, Pittsburgh, Pa. 15222.
- DAVIS, DR. J(AMES) RONNIE, b. Shreveport, La., Jan. 21, 41; m. 59; c. 1. ECONOMICS. B.S., Southern Mississippi, 63, M.S., 64; Dupont, Thomas Jefferson Found. & Univ. fcls. & Ph.D. (econ), Virginia, 67. ASST. PROF. ECON., IOWA STATE, 67- Econ. Assn. Pub. Choice Soc. Public finance; history of economic thought; resource economics. Publ: Co-auth., On the shifting of the military draft as a progressive tax-in-kind, West. Econ. J. 3/88; auth., Chicago economist, deficit budgets, and the early 1930's, Am. Econ. Rev. 6/68; co-auth., Budget size in democracy, South. Econ. J. 7/69. Address: Dept. of Economics, Iowa State University, Ames, Iowa 50010.
- DAVIS, JOHN CORDON. Economics. See A-K Vol, 11th ed, Soc. & Behav. Vols. New information: Independent counseling economist, 67- Address: 266 Floramar Terr., New Port Richey, Fla. 33552.
- DAVIS, PROF. JOHN DWELLE. Experimental Psychology. See A-K Vol, 11th ed, Soc. & Behav. Vols. New position: Prof. of Illinois, Chicago Circle, 69- Address: 2717 S. Michigan Ave., Chicago, Ill. 60616.
- DAVIS, PROF. KEITH E. Social Psychology. See A-K Vol, 11th ed, Soc. & Behav. Vols. New position & address: Prof. & chmn., 70-, Dept. of Psychology, Livingston College, Rutgers, The State University, New Brunswick, N.J. 08903.
- DAVIS, PROF. LAMRYA (HIGHSMITH), b. Brunswick, Ga., Sept. 29, 33; m. 64; c. 4. CHILD DEVELOPMENT, PSYCHOLOGY. A.B., Wesleyan Col., 54; M.S., Alabama, 62; Inst. Child & Family Develop. fel., North Carolina, Greensboro, 62-63, Ph.D. (child develop., psychol), 67. Dir. psych. inst. child develop., Miss. State Col. Women, 62-63; employ. counselor, Employ. Security Cmn., N.C., 64-65; assoc. prof. child develop., A&T Univ. N.C., 65-67, prof. psychol. & child develop., assoc. dir., inst. res. in human resources & dir., child develop. lab., 67-70; PROF. EARLY CHILDHOOD ED., SOUTH CAROLINA, 70- Grants, Piedmont Univ., 68-68, Coop. State Res. Serv. 67-68, 69 & 70, Ed. Prinf. Develop. Act, 68-70; South. Ed. Found., 69-70; Res. Eval. Proj., Elem. & Sec. Ed. Act, 68, 69 & 70; tech. asst., specialist, Community Action Proj., Off. Econ. Opportunity. Consult. Nat. Teacher Corps, Health Ed. & Welfare, 68-69. Mem. Coop. Ed. Cmt., 16 South. Black Colls., 68-70; mem. Nat. Coun. Univ. Res. Adminstrs. Soc. Res. Child Develop.; Nat. Coun. Family Rel. Identification and training of talented high school students; growth/evaluation of early childhood education programs; experimental counseling studies of migrant farm workers; creativity; cognitive and affective behavior of preschool children. Publ: Teachers and co-teachers, 7/70, The implications of 4 years status study of compensatory education programs for developing early childhood experimental learning projects, 7/70 & Migrant farm workers in North Carolina, 9/70, Bull. Inst. Res. Human Resources. Address: School of Education, University of South Carolina, Columbia, S.C. 29208.
- DAVIS, DR. L(AWRENCE) HARLAN, b. Warsaw, Va., Feb. 17, 35; m. 59; c. 2. AGRICULTURAL ECONOMICS. B.S., Va. Polytech., 56; M.S., Maryland, 59; Ph.D. (agr. econ), Wisconsin, 68. Asst. county agent, Va. Agr. Exten. Serv., 56-57; mgt. intern., Agency Int. Develop., Guatemala, 59, asst. prog. officer, Bogota, Columbia, 59-63, economist, Wash. D.C., 63-68; ASST. PROF. AGR. ECON., GEORGIA, 68- Consult. Land Tenure Center, Univ. Wisconsin, summer 68. Agr. Econ. Assn. Soc. Int. Develop. International agricultural development; land reform in Latin America; property taxation as it affects agriculture in Latin America. Publ: Economics of the property tax in rural areas of Columbia, Land Tenure Center, Univ. Wisconsin, 68; co-auth., The importance of international trade to Georgia agriculture, Univ. Georgia, 69; auth., Property tax administration in rural local governments of Colombia, Land Econ., 5/70. Address: Dept. of Agricultural Economics, University of Georgia, Athens, Ga. 30601.
- DAVIS, DR. NATALIE ZEMON. Early Modern & Social History. See 5th ed, Dir. Am. Scholars, Vol. I, Hist.
- DAVIS, PROF. OTTO ANDERSON. Economics. See A-K Vol, 11th ed, Soc. & Behav. Vols. New information: Assoc. dean, 69-, School of Urban & Public Affairs, Carnegie-Mellon University, Pittsburgh, Pa. 15213.
- DAVIS, DR. RICHARD M(CVAY), b. Moose Lake, Minn., June 21, 24; m. 56; c. 4. COMMUNICATIONS, ENGLISH. B.A., Ohio State, 47, M.A., 48; Sorbonne, 50-51; Ed.D. (commun.), Michigan, 62. Instr. Eng. Motors Inst., 48-50; admin. analyst, Kansas City Aircraft Plant, Ford Motor Co., 51-52; procedures analyst, Fisher Body Div., Gen. Motors Corp., 53-55; Champion Spark Plug Co., 55-57; from asst. prof. to ASSOC. PROF. ENGLISH, SCH. ENG. AIR FORCE INST. TECH., 62- Chmn. bd., Richard M. Davis & Assocs. U.S.A.A.F., 43-45. Bus. Commun. Assn.; Int. Commun. Assn. Experimentation to determine the most effective content, organization, and presentation for written technical messages in defined communications situations. Publ: Effective mechanical description—experiment I, Soc. Tech. Writers & Publishers Rev. 7/63; Experimental research in the effectiveness of technical writing, IEEE Trans., 12/67; The way you write it makes a difference—sometimes, J. Bus. Commun., 12/68. Address: 4417 Glenheath Dr., Kettering, Ohio 45440.
- DAVIS, DR. VINCENT. Political Science, International Relations. See A-K Vol, 11th ed, Soc. & Behav. Vols. New position & address: Nimitz prof., 70-71, U.S. Naval War College, Newport, R.I. 02840.
- DAVIS, DR. WAYNE J., b. Larksville, Pa., Mar. 20, 38; m. 62; c. 1. ECONOMICS. A.B., Dickinson Col., 60; Ph.D. (econ), Rutgers, 70. Instr. ECON., Rutgers, 66-68; acting chmn. dept., INDIANA UNIV. PA. 68-69, ASSOC. PROF., 69- Nat. Guard, 60-68. Econ. Assn. International trade; economic development; urban and regional planning. Address: 471 S. Seventh St., Indianapolis, Pa. 15701.
- DAVIS, DR. WILLIAM F., JR. Physiology. See Suppl. V to 11th ed, Phys. & Biol. Vols.
- DAVIS, DR. WILLIAM PRICE, III. Biological Oceanography, Ichthyology. See Suppl. VI to 11th ed, Phys. & Biol. Vols.
- DAVISON, DR. ARTHUR H. Clinical Psychology. See A-K Vol, 11th ed, Soc. & Behav. Vols. New position & address: Sr. community psychologist, 69-, Guidance Center, Inc., 1220 Willis Ave., Daytona Beach, Fla. 32014.
- DAVISON, DR. GERALD CHARLES, b. Boston, Mass., June 23, 39; m. 66; c. 1. PSYCHOLOGY. A.B., Harvard, 61; Fulbright fel., Freiburg, 61-62; Nat. Sci. Found. & Nat. Inst. Ment. Health fcls. & Ph.D. (psychol), Stanford, 65. Trainee, Vet. Admin. Hosp., Palo Alto, Calif., 65-66; asst. prof. PSYCHOL,

- STATE UNIV. N.Y. STONY BROOK, 66-68, ASSOC. PROF., 68-, COORDINATOR, POSTDOCTORAL PROG. BEHAV. MODIFICATION, 67-, clin. psychologist, psychol. serv., 66-67. Vis. assoc. prof., Stanford, 69-70. State Univ. N.Y. Res. Found. summer fel., 67. Guest lectr. & consult., U.S. Eng. & Mex., 65-. Co-prin. investor, Nat. Inst. Ment. Health res. grant, 68-71; prin. investor, Am. Cancer Soc. res. grant, 69-71. Psychol. Assn. Behavior modification, specifically the psychological processes underlying clinical techniques of altering behavior, especially anxiety. Publ: Anxiety under total curatization: implications for the role of muscular relaxation in the desensitization of neurotic fears, *J. Nervous & Mental Disease*, 143: 443-448; Systematic desensitization as a counterconditioning process, *J. Abnorm. Psychol.*, 73: 91-99; Appraisal of behavior modification techniques with adults in institutional settings, In: *Behavior therapy: appraisal and status*, McGraw, 69. Address: Dept. of Psychology, State University of New York at Stony Brook, Stony Brook, N.Y. 11790.
- DAWE, PROF. HELEN C.(LEVELAND). Child Psychology. See A-K Vol. 11th ed, Soc. & Behav. Vols. Change of address: 104 Preschool Lab, University of Wisconsin, Madison, Wis. 53706.
- DAWSON, DR. J(OHN) PHILIP. Modern European History. See 5th ed, Dir. Am. Scholars, Vol. I, Hist.
- DAWSON, DR. MICHAEL E(DWARD). b. Chicago, Ill, Mar. 31, 40; m. 62. EXPERIMENTAL PSYCHOLOGY. B.S., Arizona State, 62; M.A., Southern California, 66, Ph.D.(psychol), 67. ASST. PROF. PSYCHOL., CALIF. STATE COL., LOS ANGELES, 67. Res. psychologist, Gateways Psychiat. Hosp., 68-. Soc. Psychol. Res. Res. in human classical conditioning, and its relationship to cognitive variables. Address: 6277 Varenne, Los Angeles, Calif. 90028.
- DAWSON, DR. PAUL A., b. Utica, Mich, Dec. 30, 41; m. 63; c. 2. POLITICAL SCIENCE. B.A., Mich. State, 64, M.A., 65, Ph.D.(polit. sci), 69. ASST. PROF. GOVT. OVERLITOL, 69-. Polit. Sci. Assn. Political behavior; decision-making; models of attitude structure and role in analysis of decision-making processes. Address: Dept. of Government, Rice Hall, Oberlin College, Oberlin, Ohio 44074.
- DAWSON, DR. RICHARD EVANS, b. Columbus, Ohio, Mar. 2, 39; m. 65; c. 1. POLITICAL SCIENCE. B.A., Ohio Wesleyan, 60; Ph.D.(polit. sci), Northwestern, 63. Asst. prof. POLIT. SCI., WASHINGTON (ST. LOUIS), 63-66, ASSOC. PROF., 66-. Ford Found. faculty res. fel., 68-69. Polit. Sci. Assn. Analysis of state policy outputs; political socialization; structural distribution of political opinions. Publ: Co-auth. Political socialization, Little, 69, Inter-party competition, economic variables and welfare policies in the American states, *J. Polit.*, 63 & Social development, party competition, and policy, In: *The American party systems*, Oxford, 67. Address: Dept. of Political Science, Washington University, St. Louis, Mo. 63130.
- DAY, DR. DANIEL D(ROBA). Psychology. See A-K Vol. 11th ed, Soc. & Behav. Vols. New information: Practicing psychologist, 69-. Address: P.O. Box 7, Washington, D.C. 20044.
- DAY, DR. ERNEST EDWARD DOUGLAS. Geography. See A-K Vol. 11th ed, Soc. & Behav. Vols. New position: Economist & Statistician, 69-, Regional Development Group, Economic Development Division, Dept. of Finance, Confederation Bldg., Ottawa 2, Ont., Can.
- DAY, DR. HY(MIE) (IRWIN). b. Poland, Apr. 12, 25; Can. citizen; m. 47; c. 3. PSYCHOLOGY, EDUCATION. B.A., Toronto, 59, M.A., 62, Ph.D.(psychol), 65. Voc. couns., Jewish Voc. Serv., Toronto, 57-61, dir. rehab. serv., 61-63; res. psychologist, Lakeshore Psychiat. Hosp., Toronto, 63-65; chief psychologist, 65-66; ASSOC. PROF. PSYCHOL., ONT. INST. STUDIES ED., 66-. Ont. Ment. Health res. grant, 67-70; Can. Manpower & Immigration res. grant, 68-69. Consult., Lakeshore Psychiat. Hosp., 66-. Am. Psychol. Assn. Can. Psychol. Assn. Intrinsic motivation, especially as applied to personality and educational problems; developer of the Ontario test of intrinsic motivation. Publ: Role of specific curricular in school achievement, *J. Ed. Psychol.*, 68; Some determinants of looktime under different instructional sets, *Perception & Psychophysics*, 68; A curious approach to creativity, *Can. Psychologist*, 68. Address: 44 Celt Ave, Toronto, Ont., Can.
- DAY, DR. SHERMAN R., b. Murray, Utah, Jan. 16, 38; m. 60; c. 2. COUNSELLING PSYCHOLOGY. B.S., Brigham Young, 62; fel. & M.Ed., Illinois, 65; Ed.D.(counseling psychol), Georgia, 67. Asst. prof. couns. ed., GA. STATE, 67-69, ASSOC. PROF. COUNS. ED. & CHMN. DEPT. COUNSELING & ED. PSYCHOL., 69-. Consult., Southeast. Civil Serv. Cmn. & Bur. Prisons, U.S. Dept. Justice, 68-. Group dynamics. Publ: Occupational influence of high school students, *Voc. Guidance Quart.*, 65; co-auth. Activity group counseling in the schools, In: *Theories and methods of group counseling in the schools*, C.C. Thomas, 69; Facilitation training for correctional officers, *Am. J. Corrections*, 70. Address: Dept. of Counseling & Educational Psychology, Georgia State University, 33 Gilmer St., Atlanta, Ga. 30303.
- DEAN, DR. CHARLES. Sociology. See A-K Vol. 11th ed, Soc. & Behav. Vols. New position & address: Assoc. cmnr. correction, 68-, Connecticut Dept. of Correction, 340 Capital Ave, Hartford, Conn. 06115.
- DEAN, PRENTICE NORTHUP. Economics. See A-K Vol. 11th ed, Soc. & Behav. Vols. New information: Retired. Address: 200 Osego St, Storm Lake, Iowa 50588.
- DEAN, PROF. RICHARD LAWRENCE, b. Wheeling, W.Va., Feb. 6, 26. POLITICAL SCIENCE, EXPERIMENTAL COMMUNICATION. A.B., Northwest State Col., 47; M.A., La. State, 49; Res. Found. fel., Purdue, 54-55, Ph.D. (commun. polit. sci), 55. Dir., U.S. Armed Forces Inst., Giessen, Germany, 51-53; staff assoc., indust. rels. div., Chrysler Corp., 55-57; assoc. prof. speech, Western Illinois, 57-60; chmn. dept. commun. arts, St. Joseph's Col., 60-64; PROF. POLIT. SCI. & SPEECH, WOODBURY COL., 64-. Lectr., Detroit, 55-57; Western Illinois, 59-60; DePaul, 60-61; Ill. Inst. Tech., 61-63; Southern California, 68-; res. fel., Chicago, 60-61. U.S.A., 51-53, 1st Lt.
- Speech Assn. Am.; Polit. Sci. Assn. Experimental communication; political behavior of voting public; propaganda analysis. Publ: The conference method: panacea or paradox, *J. Am. Soc. Training Dir.*, 12/59; The folklore of American education, *Col. & Univ.*, winter 61. Address: 3780 Third St., Riverside, Calif. 92501.
- DEAN, PROF. SANFORD J. Psychology. See A-K Vol. 11th ed, Soc. & Behav. Vols. New position & address: Prof. & chmn., 69-, Dept. of Psychology, Northern Illinois University, De Kalb, Ill. 60115.
- DEAN, PROF. WILLIAM GEORGE, b. Toronto, Ont, Nov. 29, 21; m. 48; c. 2. GEOGRAPHY, GEOMORPHOLOGY. B.A., Toronto, 49, fel., 49-50, M.A., 50; Carnegie Arctic fel., McGill, 50-52, Ph.D.(geog), 59. Demonstr. geog., Toronto, 47-49; geog., B.C. Dept. Lands, 52-53; asst. prof. GEOG., United Col. Winnipeg, 53-56; lectr., TORONTO, 56-58, asst. prof., 58-63, assoc. prof., 63-69, PROF., 69-. U.S. Nat. Sci. Found. fel., Seattle, Wash., 63. Res. consult., Rand Corp., Calif., 53-57. Can. Army, 41-46, Capt. Can. Geog. (ed. Can. Geog., 60-67); Can. Assn. Univ. Teachers (ex. coun., 68-70). Arctic Canada; Pleistocene geomorphology; geographical location, economic geography and cartography. Publ: Co-auth. Economic atlas of Ontario, Toronto, 1969. Address: Dept. of Geography, University of Toronto, Toronto 181, Ont., Can.
- DEANS, DR. ROBERT H., b. Boston, Mass., May 28, 31; m. 66; c. 1. ECONOMICS. B.A., Massachusetts, 54; M.A., Pittsburgh, 60, Ph.D.(econ), 66. Asst. prof. econ., Duquesne, 62-67; local currency officer, Agency Int. Develop., 67-68; ASST. PROF. ECON. & ASST. DIR. BUR. ECON. & BUS. RES., TEMPLE, 68-. Ed. Econ. & Bus. Bull. Temple, 68-; mem. Agr. Develop. Coun., 66-67. U.S.A.F., 54-57, 1st Lt. Econ. Assn.; Int. Econ. Assn. United States foreign aid programs in economic development; world income distribution and the cost burden of debt. Publ: Role of P.L. 480 program in Spanish economic development, 1955-65, Agr. Develop. Coun., 67; Potential effects of U.S. commodity grants to other countries, *Am. J. Agr. Econ.*, 11/68. Address: Temple University School of Business Administration, Philadelphia, Pa. 19122.
- DEATHERAGE, DR. BRUCE H(AMPTON). Psychology. See A-K Vol. 11th ed, Soc. & Behav. Vols. New position & address: Spec. res. assoc., 69-, Applied Research Labs, P.O. Box 8029, University Station, Austin, Tex. 78712.
- DEAUX, DR. KAY K., b. Warren, Ohio Nov. 4, 41. SOCIAL PSYCHOLOGY. B.A., Northwestern, 63; Ph.D.(soc. psychol), Texas, 67. ASST. PROF. PSYCHOL., Wright State, 67-70; PURDUE, 70-. Psychol. Assn.; Soc. Psychol. Study Soc. Issues. Attitude change; cross-cultural research. Address: Dept. of Psychology, Purdue University, Lafayette, Ind. 47907.
- DEBBINS, PROF. WILLIAM. Philosophy. See 5th ed, Dir. Am. Scholars, Vol. IV, Philos., Relig. & Law.
- de BEERS, DR. JOHN S(TERLING). Economics. See A-K Vol. 11th ed, Soc. & Behav. Vols. New position: Dir. econ. & soc. develop. div., Inter-Am. Develop. Bank, 70-. Address: 5135 Newport Ave, Washington, D.C. 20016.
- DeBERRY, DR. CLYDE EDWARD, b. Highpoint, N.C., Apr. 8, 33; div. c. 4. EDUCATIONAL ADMINISTRATION. B.S., N.C. State Col., 57; M.A., Northern Arizona, 63; D.Ed.(ed. admin), Oregon, 67. Res. asst., inst. comp. exp. res. behav. sys., Univ. Oregon, 63-69, dir. sch. desegregation training & res. center, 67-69; INSTR. COMMUNITY ORGN., CONTRA COSTA COL., SAN PABLO, 69-, DIR. EQUAL ED. OPPORTUNITY PROG., SEQUOIA UNION HIGH SCH. DIST., REDWOOD CITY, 70-. Dir. behav. sci. res. Hunters Point-Bay View behav. sci. res. & eval. dept., San Francisco, 68-69; lectr. sch. community med. sch. med., California, San Francisco, 68-69; sch. pub. health, California, 69. U.S.A.F., 56-58. Acad. Soc. Sci.; Psychol. Assn. Socio-psychological research with regard to health and education problems with particular emphasis on low-income groups. Publ: Co-auth. School and race in Portland, Integrated Ed. Assocs., 4-5/65; auth. Black power and black population: a dilemma, *Oregonia Mag.*, fall 67; White America must support black power, *Ore. Daily Emerald*, 68. Address: 656 Wellington Dr., San Carlos, Calif. 94070.
- DE BLIJ, PROF. HARM JAN. Geography. See A-K Vol. 11th ed, Soc. & Behav. Vols. New position & address: Prof. & chmn., 69-, Dept. of Geography, University of Miami, Coral Gables, Fla. 33124.
- DEBONS, DR. ANTHONY. Experimental Psychology. See A-K Vol. 11th ed, Soc. & Behav. Vols. New position: Prof. info. sci., Pittsburgh, 70-. Address: Interdisciplinary Doctoral Program in Information Science, University of Pittsburgh, Pittsburgh, Pa. 15238.
- De BURGER, DR. JAMES EDWARD. Sociology. Psychology. See A-K Vol. 11th ed, Soc. & Behav. Vols. New information: Also chmn., 68-, Dept. of Sociology, University of Louisville, Belknap Campus, Louisville, Ky. 40208.
- DE CANDIDO, DR. NORMA, b. Park Ridge, N.J., Sept. 5, 34. POLITICAL SCIENCE. B.A., Rutgers, 55; Ph.D., Columbia, 69. Lectr. POLIT. SCI., CITY COL. NEW YORK, 63-69, ASSOC. PROF., 69-. Polit. Sci. Assn.; Soc. Pub. Admin. Technical assistance programs in public administration, especially those of United States government and United Nations in Latin America. Address: 52 Spring Valley Rd., Park Ridge, N.J. 07656.
- DE CARLO, DR. GUY RICHARD, b. Baltimore, Md., July 18, 39; m. 65; c. 3. ECONOMICS. B.A., Maryland, 62; Nat. Defense fel., 62-65, Ph.D.(econ), 66. Res. assoc. ECON. Md. tax study, 63-64; ASST. PROF., MARYLAND, 65-. GEOGRAPHY WASHINGTON, 67-. Economist, Fed. Reserve Bd., 65-66; Int. Bus. Mach. Corp., 66-. Econ. Assn.; Economist. Soc. International economics; regional analysis; econometric modeling. Publ: Co-auth. A regional socio-economic model, Int. Bus. Mach. Corp., N.Y., 68 & The Ontario input/output model, *Dev. Treas. & Econ.*, Ontario, Can., 69; auth. Interest sensitivity of short-term capital movements: some recent statistical studies, *Kyklos*, 11/69. Address: 8639 Chapel Drive, Annandale, Va. 22003.

- DE CASAL, DR. ELVIRA FERNANDEZ, b. Havana, Cuba, Nov. 18, 23; U.S. citizen; m. 53; c. 2. **EDUCATIONAL PSYCHOLOGY**. Ed.D.(ed. psychol.), Havana, 46, Ph.D.(psychol.), 53; Minnesota, 49-50. Asst. prof. psychol., Havana, 43-60; chief princ. serv. Job Orientation in the Neighborhoods, New York Munic. Dept. 64-65; ASST. PROF. PSYCHOL. INTER-AM. UNIV. P.R. 67-. CHM. Prof. 69. Psychol. Asn. Address: 106 Tres Hermanos St., Caguas, P.R. 00907.
- DE CECIO, DR. JOHN PAUL, JR. Psychology, Education. See A-K Vol, 11th ed, Soc. & Behav. Vols. New position & address: Prof. 68-. Center for Research and Education in American Liberties, Teachers College, Columbia University, New York, N.Y. 10027.
- DE CENCIO, DR. DOMINIC VINCENT. Psychology. See A-K Vol, 11th ed, Soc. & Behav. Vols. New information: Assoc. prof. sch. med. Temple, 70- & asst. v-pres. health sci. center, 69-. Address: Health Sciences Center, Temple University, 3400 N. Broad St., Philadelphia, Pa. 19140.
- DECHERT, PROF. CHARLES (RICHARD). Political Science. See A-K Vol, 11th ed, Soc. & Behav. Vols. New publ.: Co-auth. Positive feedback: a general systems approach to positive/negative feedback and mutual causality, Pergamon, 68. Address: 1308 Perry St. N.E., Washington, D.C. 20017.
- DECKER, DR. (DALE) ALAN, b. Carmel, Calif. Feb. 18, 45; m. 66. **POLITICAL SCIENCE**. Chicago, summer 63; Paris, 63-64; A.B., Claremont Men's Col., 66, M.A., Claremont Grad. Sch., 68, Ph.D.(govt. admin.), 70. Part-time teacher, sch. dist., Calif., 67-68; instr. WIS. STATE, STEVENS POINT, 68-69, ASST. PROF. POLIT. SCI., 69-. Vis. prof. Hartnell Col., summer 69. Consult. City of Wisconsin Rapids, Wis., 69. Mem. Gov. Task Force on Calif. Commitment, 68. Polit. Sci. Asn.; Soc. Pub. Admin. Policy-making; metropolitan problems; empirical and assumptive theory; public administration. Address: 3701 Robert Place, Stevens Point, Wis. 54481.
- DE FELICE, DR. FRANK, b. Boston, Mass., Dec. 20, 32; m. c. 3. **ECONOMICS**. FINANCE. B.A. Mich. State, 61; Nat. Defense (el), North Carolina, 61-64, M.B.A., 63, Ph.D.(econ), 66. Instr. econ. North Carolina, Chapel Hill, 63-64; econ. & bus. admin. North Carolina, Greensboro, 64-65; Assoc. prof. econ. East Carolina Col., 65-66; asst. prof. econ. & bus. admin. North Carolina, Charlotte, 66-69; ASSOC. PROF. ECON., QUEENS COL.(N.C.), 69-. Ford Found. faculty, Duke Univ., North Carolina coop. prog. int. studies, 68-69; participant, Nat. Sci. Found. summer inst. comput. sci., 69. U.S.N., 50-53. Econ. Asn. Soviet economy; econometrics. Publ.: Soviet distributing policy, Rivista Internazionale di Scienze e Commerciali, 6/68, Productivity changes in Soviet distribution, Econ. J., 3/69 & Security and investment; more evidence, J. Finance, (in press). Address: Dept. of Economics, Queens College, Charlotte, N.C. 28207.
- DEFFENBACHER, DR. KENNETH A., b. Edinburg, Tex., Jan. 24, 43; m. 64; c. 1. **PSYCHOLOGY**. B.S. Washington (Seattle), 64, U.S. Pub. Health Serv. fel. 66, Ph.D.(psychol.), 68. ASST. PROF. PSYCHOL. NEBRASKA, OMAHA, 68-69. Senate Res. Cmt. grant, Nebraska, Omaha, 70-71; summer res. assoc. U.S. Air Force grant, 69. Psychol. Asn. Cognitive processes; perception; computer simulation; artificial intelligence. Publ.: Co-author, Concept learning with one relevant dimension in the squirrel monkey, Psychonomic Sci., 66 & Conjunctive and disjunctive concept learning in humans and squirrel monkeys, Can. J. Psychol., 67; auth. An extension of four single-cue process models to conjunctive concept learning, Psychol. Reports, 70. Address: Dept. of Psychology, University of Nebraska at Omaha, Omaha, Nebr. 68132.
- DeFRIESE, DR. GORDON H., b. Trion, Ga., Apr. 25, 42; m. 64; c. 2. **SOCIOLOGY**. B.S., Middle Tenn. State, 63; M.A., Kentucky, 66, Ph.D.(sociol.), 67. Instr. med. behav. sci. coll. med. & dent. Kentucky, 66-67; ASST. PROF. SOCIOL., CORNELL, 69-. U.S.A., 67-69, Capt. Sociol. Asn.; Soc. Study Social Probs; Pub. Health Asn. Attitude theory and measurement; deviant behavior; occupational socialization; social psychiatry and illness behavior; complex organizations; urban sociology. Publ.: Open occupancy—what whites say, what they do, Trans-Action, 4/68; Verbal attitudes, overt acts and the influence of social constraint in interracial behavior, Soc. Probs., spring 69. Address: Dept. of Sociology, Cornell University, Ithaca, N.Y. 14850.
- DEGLER, PROF. CARROLL M. Economics. See A-K Vol, 11th ed, Soc. & Behav. Vols. Change of address: Whittemore School of Business & Economics, University of New Hampshire, Durham, N.H. 03824.
- De GREGORI, DR. THOMAS ROGER. Economic History & Development. See 5th ed, Dir. Am. Scholars, Vol. I, Hist.
- DE GROOT, DR. SYBIL GRAMLICH, b. Evanston, Ill., Feb. 28, 26; div. c. 3. **PSYCHOLOGY**. B.A. Ohio State, M.A., 49, Ph.D.(eng. psychol.), 68. Res. asst. inst. coop. res. Hopkins, 50-51; psychophysicist of vision, U.S. Naval Med. Res. Lab. Comm., 51-52; staff psychologist, Dunlap & Assocs., 58-62; res. assoc. bur. ed. & serv. Ohio State Univ., 62-66, div. info. & comput. sci., 66-68; ASST. PROF. PSYCHOL., MONTANA STATE, 68-. Psychol. Asn. Human Factors Soc. Eng. Psychol. Sensation; perception; information processing; human performance; perceptual-motor skills; vision; psychometrics; psychological statistics. Address: Dept. of Psychology, Montana State University, Bozeman, Mont. 59715.
- DeHAAN, PROF. ROBERT F (RANK). Psychology. See A-K Vol, 11th ed, Soc. & Behav. Vols. Change of address: 826 E. Haines St., Philadelphia, Pa. 19138.
- DE HAVEN, DR. RALPH KENNETH, b. Fair Grove, Mo., Aug. 23, 32; m. 60; c. 3. **AGRICULTURAL ECONOMICS**. B.S., Southwest Mo. State Col., 64; M.S. Missouri, 66, Ph.D. Defense Ed. Act fel. 66-69, Ph.D.(agr. econ), 69, ASST. PROF. AGR. ECON., CLEMSON, 69-. Agr. Econ. Asn.; award of merit in res. 67. Dairy marketing; location analysis. Publ.: Co-auth. A method for evaluation of alternative milk pricing plans, Res. Bull. Univ. Mo., 9/68. Address: Dept. of Agricultural Economics, Clemson University, Clemson, S.C. 29631.
- DeHAYES, DR. DANIEL WESLEY, JR., b. Columbus, Ohio; Sept. 23, 41; m. 68. **BUSINESS LOGISTICS, MARKETING**. B.Sc., Ohio State, 63, Nat. Defense Ed. Act fel. 63-66, M.B.A., 64, Ph.D.(bus. logistics), 68. ASST. PROF. mgt. Naval Postgrad. Sch., 67-69; BUS. LOGISTICS, INDIANA, BLOOMINGTON, 69-. Mem. Transportation Res. Forum. U.S.A., 67-69, Capt. Inst. Mgt. Sci.; Inst. Decision Sci. Facility location analysis; logistics systems design; transport carrier evaluation and selection, systems analysis. Publ.: Co-auth. Transport selection by interform analysis, Transportation & Distribution Mgt., 67; auth. Industrial transportation planning: estimating the transit time for rail carload shipments, Transportation Res. Forum, 69 & Education for logistics management, Logistics Spectrum, spring 70. Address: Dept. of Business Logistics, Indiana University School of Business, Bloomington, Ind. 47401.
- DE HOYOS, DR. ARTURO, b. Piedras Nigras, Mex., Sept. 21, 25; U.S. citizen; m. 50; c. 3. **SOCIOLOGY, SOCIAL PSYCHOLOGY**. B.A., Brigham Young, 52, M.A., 54; Ph.D.(sociol. anthropol.), Mich. State, 61. Asst. prof. sociol., Depauw, 59-61; res. assoc. med. sociol. med. center, Indiana, 61-68, dir. field studies, 64; ASSOC. PROF. SOCIOL., BRIGHAM YOUNG, 68-. Fulbright res. scholar, Uruguay, summer 66. Sociol. Asn.; Soc. Study Social Probs. Minority relations and problems, including the analysis of personality and social adjustment of American Indian, Mexican Americans and Negroes. Publ.: The amigro system and alienation of the wife in the conjugal Mexican family, Wiley, 66; Symptomatology differentials between white and Negro schizophrenics, Int. J. Soc. Psychiat., 65; The professional mobility of social work and its middle class orientation, Am. J. Orthopsychiat., 68. Address: Dept. of Sociology, Brigham Young University, Provo, Utah 84601.
- DEKMAN, DR. ARTHUR JOSEPH, U.S. citizen. **PSYCHIATRY**. B.A., Harvard, 51, M.D., 55. Intern. Phila. Hosp. Pa., 55-56; resident neuropsychiat, West Haven Vet. Admin. Hosp., 56-57; chief psychiatrist, Amarillo Air Force Base, Tex., 57-58, staff psychiatrist, Andrews Air Force Base, D.C., 58-59; instr. exten. Univ. Massachusetts, 60; assoc. staff, Pittsfield Gen. Hosp., Mass., 61; U.S. Pub. Health Serv. spec. res. fel., Austen Riggs Center, 61-63, assoc. res. staff PSYCHIAT., 63-68; ASSOC. PROF. MED. CENTER, COLORADO, 68-. Consult. Family & Children Serv., Pittsfield, Mass., 68-68. U.S.A.F., 57-59. Psychiat. Asn. Effects of focused attention on the state of consciousness; altered states of consciousness in mysticism, psychosis and drug states. Publ.: Experimental meditation, 4/63 & Implications of experimental meditation, 10/66; J. Nervous & Mental Disease, De-automatization and the mystic experience, Psychiatry, 11/66. Address: Dept. of Psychiatry, University of Colorado Medical Center, 4200 E. Ninth Ave., Denver, Colo. 80222.
- DEININGER, PROF. WHITAKER T (HOMPSON). History, Philosophy. See 5th ed, Dir. Am. Scholars, Vol. IV, Philos. Relig. & Law.
- DEITZER, DR. BERNARD A., b. July 9, 21; U.S. citizen; m. 52; c. 2. **MANAGEMENT, INDUSTRIAL RELATIONS**. A.B., Allegheny Col., 47; M.L.L., Pittsburgh, 50; Ph.D.(mgt.), Ohio State, 67. Training dir., Valley Nat. Bank, Ariz., 50-55; personnel dir., Union Co., 55-60; mgt. develop. dir., Nationwide Insurance, 60-67; Assoc. Prof. Bus. Policy & Indus. RELS. CENTER, AKRON, 67-. Lectr., Ohio State, 57-67. Consult. bus. & indus. U.S.A., 43-45. Acad. Mgt.; Soc. Personnel Admin. Insurance; management development; personnel management research activities. Publ.: Student outlines in the principles of management, 68 & Human relations in management, 69. Ins. mgt. Am. Address: Dept. of Management, University of Akron, Akron, Ohio 44304.
- DeJANES, DR. ROBERT B (ENNESON), b. Washington, D.C., June 1, 35; m. 57; c. 2. **POLITICAL SCIENCE**. B.A., George Washington, 57; M.A., Tennessee, 59; Paris, 62; Indiana, 63; Schmitt fel. & Ph.D.(for. affairs), Virginia, 65. Asst. prof. polit. sci. Southern Methodist, 60-61; Birmingham-South. Col., 62-65; dean students, Athens Col., 65-68; ASSOC. PROF. POLIT. SCI., OGLETHORPE COL., 68-. Consult. ed. Congressional Quart. Inc., D.C., 64-65. U.S.A., 57-65, 1st Lt. Polit. Sci. Asn. Congressional behavior of the Southern states; nature of Southern informal politics in the House and Senate of National Congress. Address: Dept. of Political Science, Oglethorpe College, Atlanta, Ga. 30319.
- DE JONG, DR. PIETER. Religion. See 5th ed, Dir. Am. Scholars, Vol. IV, Philos. Relig. & Law.
- DEKMEJIAN, DR. RICHARD HRAIR. Political Science. See A-K Vol, 11th ed, Soc. & Behav. Vols. New position: Assoc. prof., 69-. Dept. of Political Science, State University of New York at Binghamton, Binghamton, N.Y. 13901.
- DELAGARZA, DR. (CESAR) (OCTAVIO). Clinical & Industrial Psychology. See A-K Vol, 11th ed, Soc. & Behav. Vols. New information: Chief psychologist, Hunterdon State Sch., Clinton, N.J. Address: Dept. of Psychology, Drew University, Madison, N.J. 07940.
- DeLAMATER, DR. JOHN DELOS, b. San Diego, Calif., Oct. 12, 40; m. 66. **SOCIAL PSYCHOLOGY**. B.A., California, Santa Barbara, 63; M.S., Michigan, 66, Ph.D.(soc. psychol.), 69. Lectr. sociol. & psychol., Michigan, 68-68; ASST. PROF. SOCIOL., WISCONSIN, MADISON, 69-. Hon. Woodrow Wilson fel. AAAS; Soc. Psychol. Study of Social Issues; Sociol. Asn. Relationships between individuals and larger social units, small groups, complex organizations and society, especially deviant behavior, national involvement, small groups and education. Publ.: Co-auth. Social psychological research in developing countries, J. Soc. Issues, 4/68; auth. On the nature of deviance, Soc. Forces, 6/68; co-auth. On the nature of national involvement: a preliminary study, J. Conflict Resolution, 9/69. Address: Dept. of Sociology, University of Wisconsin, Madison, Wis. 53706.
- DELANEY, DR. DANIEL JOSEPH, b. Fall River, Mass., Mar. 15, 38; m. 60; c. 6. **COUNSELING & EDUCATIONAL PSYCHOLOGY**. A.B., Stonehill Col., 80; M.Ed., State Col. Bridgewater, 62; R.I. Col., Connecticut, 62-63; Nat. Defense Ed. Act fel., Arizona State, 63-65, Ph.D.(counseling psychol.), 65.

- Teacher, high sch, Mass, 60-62; dir, Stang High Sch, N. Dartmouth, 62-63; couns., counseling center, Arizona State, 63-64, Vet. Admin. couns. & counseling practicum superv. Vet. Admin. Counseling Center, 64-65; asst. prof. ED. PSYCHOL. COL. ED. ILLINOIS, URBANA, 66-68, ASSOC. PROF., 68- AAAS; Psychol. Assn; Personnel & Guid. Assn; Assn. Couns. Ed. & Supv. Counseling; supervision; simulation; personality. Publ: Co-auth, Readings in counseling and psychotherapy & Readings in child development, Assn. Ed. Serv. Corps, 68; The counseling process, Rand McNally, (in prep). Address: 188 Education Bldg, University of Illinois, Urbana, Ill. 61801.
- DELANEY, DR. ROBERT F(OLEY), b. Fall River, Mass, Aug. 2, 25; m. 50; c. 5. POLITICAL SCIENCE, INTERNATIONAL RELATIONS. B.S. Col. Holy Cross, 46; Harvard, 46; A.M., Boston, 48; B.S.L.S., Catholic Univ, 50, Volker Found, grants, 54-55, Ph.D.(sociol), 59; Vienna, 56. For. serv. officer, U.S. State Dept. & Info. Agency, 50-63; pub. rels. adv. Esso Standard Oil, S.A.M., 63-65; asst. dir. res. & pub. opinion, U.S. Info. Agency, 67-68; dir. Edward R. Murrow Center Pub. Diplomacy, Fletcher Sch. Law, 68-70; PRES. THUNDERBIRD GRAD. SCH. INT. MGT., 70- Lectr., Boston Univ, 69- Consult, U.S. Naval War Coll, 69- Mem. U.S. Cath. Cmn. Intellectual & Cultural Affairs, 64- U.S.N.R., 43-, Capt. Conn. For. Rel. Mgt. Assn; Acad. Polit. & Soc. Sci. Int. Studies Assn. International public opinion and communications research treating especially the media and management. Publ: Your career in foreign service, Rosen, 61; The literature of Communism in America, Catholic Univ, 62; co-auth, American public diplomacy: the first years, Tufts Univ, 67. Address: Thunderbird Graduate School of International Management, P.O. Box 191, Phoenix, Ariz. 85001.
- DE LESPINASSE, DR. PAUL F. Political Science. See A-K Vol. 11th ed, Soc. & Behav. Vols. New position: Assoc. prof. polit. sci., Adrian Col, 69- Address: 1142 College Ave, Adrian, Mich. 49221.
- DELHEES, DR. KARL H(EINZ), b. Wittenberg, Germany, Sept. 25, 32; m. 65; c. 1. PSYCHOLOGY. B.S., Loyola (Ill), 61; Ph.D.(psychol), Zurich, 65. Study dir. consumer res, Inst. Motivational Res, 63-64; res. assoc. personality & motivation res, Illinois, 65-67, res. asst. prof., 67-69; ASST. PROF. PSYCHOL., STATE UNIV. N.Y. BINGHAMTON, 69- Test consult, Inst. Personality & Ability Testing, 66- Soc. Multivariate Exp. Psychol. Basic and applied personality measurement; attitude and interest study; test construction and theory; methodology. Publ: Co-auth, The children motivation analysis test, Inst. Personality & Ability Testing, Champaign, Ill, 70; auth, The abnormal personality: neurosis and delinquency, In: Handbook of modern personality theory, Aldine, 70; Conceptions of group decision and group conflict applied to vector space: a research model, Acta Psychologica, 12/70. Address: Dept. of Psychology, State University of New York at Binghamton, Binghamton, N.Y. 13901.
- DELL, DR. ROBERT T. Religion. See 5th ed, Dir. Am. Scholars, Vol. IV, Philos, Relig. & Law.
- DELLA GROTTE, DR. JOSEPH A. European Social & Intellectual History. See 5th ed, Dir. Am. Scholars, Vol. I, Hist.
- DELLIN, DR. L(UBOMIR) A(TANASOV) D(ELINESHEV). Economics. See A-K Vol. 11th ed, Soc. & Behav. Vols. New information: Also chmn, 69-, Center for Area Studies, University of Vermont, Burlington, Vt. 05401.
- de LORGE, DR. JOHN OLDHAM. Experimental Psychology. See A-K Vol. 11th ed, Soc. & Behav. Vols. New position & address: Res. psychologist, 69-, Naval Aerospace Medical Institute, Pensacola, Fla. 32512.
- DELORME, DR. ROBERT L., b. Rolla, N.Dak. Aug. 5, 31. POLITICAL SCIENCE. B.A., St. John's (Minn), 53; M.A., Minnesota, 62, Ph.D.(polit. sci.), 68. ASST. PROF. LATIN AM. GOVT, CALIF. STATE COL. LONG BEACH, 66- U.S.A., 54-56. Economic development in the less-developed nations. Address: Dept. of Political Science, California State College at Long Beach, Long Beach, Calif. 90801.
- DELPRATO, DR. DENNIS J(OHN), b. Cherry Valley, Pa, Jan. 8, 42; m. 64; c. 1. EXPERIMENTAL PSYCHOLOGY. B.A., Washington & Jefferson Col, 63; M.S., Ohio, 65; Ph.D., Mich. State, 68. ASST. PROF. PSYCHOL., Miss. State, 68-69; EASTERN MICHIGAN, 69- AAAS; Psychol. Assn. Animal and human learning; aversive conditioning; memory. Publ: Co-auth, Punishment and the length of nonshock confinement during the extinction of avoidance, Can. J. Psychol., 22: 456-464; Free and modified free recall measures of response recall and unlearning, J. Exp. Psychol., 81: 408-410; Unlearning in the absence of new learning, J. Verbal Learning & Verbal Behav., 8: 388-392. Address: Dept. of Psychology, Eastern Michigan University, Ypsilanti, Mich. 48197.
- DEL RUSSO, PROF. ALESSANDRA LUNI. Law, Social Sciences. See 5th ed, Dir. Am. Scholars, Vol. IV, Philos, Relig. & Law.
- DELWART, LOUIS O. Economics. See A-K Vol. 11th ed, Soc. & Behav. Vols. New position: Dir. econ. & polit. res, Investors Overseas Serv, 68- Address: 8 Chemin des Vidollets, Vernier, Geneva, Switz.
- DEMANCHE, SISTER, EDNA LOUISE. Science Education, Plant Physiology. See Suppl. VI to 11th ed, Phys. & Biol. Vols.
- DEMARCE, DR. VIRGINIA E(ASLEY). History. See Suppl. I to 5th ed, Dir. Am. Scholars.
- DE MARTINO, DR. CLAUDE R(OBERT), b. Montreal, Que. Feb. 24, 29; m. 62; c. 1. CLINICAL PSYCHOL. B.S., City Col., New York, 62; Nat. Inst. Ment. Health fel., N.Y. Univ, 66-68, Ph.D.(clin. psychol), 68. Asst. dir. CLIN. PSYCHOL., Country Place, Warren, Conn, 68-69; ASST. PROF., BRITISH COLUMBIA, 69-, univ. res. grant, 69- Consult, B.C. Youth Development Center, 69- U.S.A., 45-47, Sgt. AAAS; Psychol. Assn. Subliminal perception; awareness and behavior; psychotherapy. Address: Dept. of Psychology, University of British Columbia, Vancouver 8, B.C., Can.
- DEMBER, DR. CYNTHIA F(OX), b. New York, N.Y., Feb. 15, 34; m. 58; c. 3. CLINICAL PSYCHOLOGY, CHILD DEVELOPMENT. A.B., Vassar Col, 54; M.S., Yale, 55, Ph.D.(psychol), 59. Instr. psychol, Yale, 58-59; asst. chief psychologist, Hamilton County Juvenile Court, 59-60; clin. psychologist, Child Guid. Home, 61-64. CHIEF PSYCHOLOGIST, CHILDREN'S PSYCHIAT. CENTER, 64- Adj. asst. prof., Cincinnati, 61-67; adj. assoc. prof., 68- Psychol. Assn. Comprehensive developmental assessment of children; underachievement; depression in children. Address: Children's Psychiatric Center, 3140 Harvey Ave, Cincinnati, Ohio 45229.
- DEMBER, PROF. WILLIAM N(ORTON). Psychology. See A-K Vol. 11th ed, Soc. & Behav. Vols. Change of address: 920 Oregon Trail, Cincinnati, Ohio 45215.
- DEMBITZ, LEWIS N. Economics. See A-K Vol. 11th ed, Soc. & Behav. Vols. New position: Sr. assoc. & dir. Carter H. Golembie Assocs, Inc, 69- Address: 3414 Garfield St. N.W., Washington, D.C. 20007.
- de MENIL, DR. GEORGE. Economics. See A-K Vol. 11th ed, Soc. & Behav. Vols. Change of address: 27 Chestnut St, Boston, Mass. 02108.
- de MILLE, DR. RICHARD, b. Monrovia, Calif. Feb. 12, 22; m. 55; c. 2. PSYCHOLOGY. A.B., Pepperdine Col, 55; Ph.D.(psychol), Southern California, 61. Adj. asst. prof. psychol. & study leader aptitudes res. proj., Southern California, 61-62; lectr., California, Santa Barbara, 62-65; consult & ed. dir., Brooks Found, Calif., 65-67; MEM. TECH. STAFF, SOC. SYSTS. DEPT., GEN. RES. CORP., 67- Res. assoc., Southern California, 62-64; Res. design consult, Santa Barbara Ment. Health Serv., 64. U.S.A.A.F., 43-46. Psychol. Assn. Psychometrics; surveys. Publ: Put your mother on the ceiling; children's imagination games, Walker, 67; Epilepsy in catatonic schizophrenics after transorbital leucotomy, J. Nervous & Ment. Disease, 139: 393-395 & Logical and empirical oddnesses in value responses, Psychol. Reports, 26: 143-154. Address: 960 Lilac Dr, Santa Barbara, Calif. 93103.
- DEMOND, HELEN F(AIRCHILD). Economics, Statistics. See A-K Vol. 11th ed, Soc. & Behav. Vols. New information: Retired, 69. Address: 1238 29th St. N.W., Washington, D.C. 20007.
- DEMNER, DR. MARIAN K., b. Greensburg, Ind., Oct. 30, 22; m. 52; c. 3. CHILD PSYCHIATRY. B.S., Indiana, 49, M.D., 52. Res. instr. psychiat. sch. med., Indiana, 55-56; fel. child psychiat., East Pa. Psychiat. Inst., 56-57; instr. PSYCHIAT. SCH. MED. INDIANA, 57-61, asst. prof., 61-65, assoc. prof., 65-69. PROF. 69-, DIR. CLIN. RES. CENTER FOR EARLY CHILDHOOD SCHIZOPHRENIA, 61- Dir. children's serv., Carter Mem. Hosp., 57-61; prin. investr., Nat. Inst. Ment. Health grant, 61- Dipl. Am. Bd. Psychiat. & Neurol., 59, cert. child psychiat., 60, asst. exam. 68. Psychiat. Assn. fel. Orthopsychiat. Assn; World Fedn. Ment. Health. Childhood autism and schizophrenia etiology; family structure, symptomatology, treatment, biochemistry. Address: Dept. of Psychiatry, Indiana University School of Medicine, 1315 W. Tenth St., Indianapolis, Ind. 46202.
- DENEGRE, DR. JOSEPH, JR., b. New Haven, Conn., Jan. 14, 32; m. 53; c. 4. PSYCHOLOGY. B.A., Connecticut, 53, Ph.D.(learning), 62. Sr. res. engr. N.A.M. Aviation, 61-62; human factors engr. Sikorsky Aircraft, 62-63; res. asst. prof. PSYCHOL., Connecticut, 63-64; Nat. Inst. Ment. Health fel., Yale, 64-66, ASSOC. PROF., SOUTH. CONN. STATE COL., 66- U.S.A.F., 53-57, 1st Lt. Psychol. Assn; Human Factors Soc. Discrimination learning in normal and retarded children. Publ: Influence of various cues associated with reward on retarded discrimination learning, J. Exp. Child Psychol.; co-auth. Variability of irrelevant discriminable stimuli, J. Exp. Psychol. Address: 283 Mountain Rd., Cheshire, Conn. 06010.
- DENENBERG, DR. HERBERT S(IDNEY). Economics, Law. See A-K Vol. 11th ed, Soc. & Behav. Vols. New position: Loman prof. ins, 68-, Wharton School of Finance & Commerce, University of Pennsylvania, Philadelphia, Pa. 19104.
- DENHOLM, DONALD HOWARD. Industrial Engineering. See A-K Vol. 11th ed, Soc. & Behav. Vols. New position & address: Prof. 68-. Dept. of Industrial Engineering, Auburn University, Auburn, Ala. 36830.
- DENIKE, PROF. K(ENNETH), b. Summerland, B.C. Nov. 21, 39; m. 66; c. 1. GEOGRAPHY. B.S., British Columbia, 63, M.Sc., 66, Cent. Mortgage & Housing Cmn. fel., Pennsylvania, 66-69, M.A., 67. Instr. physics, British Columbia, 63-64; planning asst. info. systs. City of Vancouver, B.C., 65; lectr. quant. anal., Pennsylvania, 68-69; ASST. PROF. GEOG., BRITISH COLUMBIA, 69- Res. grants, Can. Transportation Cmn., Can. Coun. Can. Dep. Wildlife & Ford Found., 70- Regional Sci. Assn. Can. Assn. Geog. Research into the spatial implications of public policy, especially the existing patterns of public facilities and welfare considerations involved in locating these facilities. Publ: Co-auth, Production in space, spatial competition and restricted entry, J. Regional Sci., 70 & Theoretical problems in central place analysis, Econ. Geog., fall 70. Address: Dept. of Geography, University of British Columbia, Vancouver 8, B.C., Can.
- DENMAN, DR. CLAYTON CHARLTON, b. Seattle, Wash., Dec. 15, 30; m. 65. ANTHROPOLOGY. B.A., Washington (Seattle), 56, M.A., 60; Ph.D.(anthrop), California, Berkeley, 68. Asst. prof. ANTHROP. CENT. WASH. STATE COL., 64-68, ASSOC. PROF., 68- PRES. & CO-DR. SMALL TOWNS INST., 69- Fel. Anthropol. Assn; Soc. Appl. Anthropol. Manpower and human resources development; small communities; American Indian problems, including education; Korean culture and society. Publ: The role of cultural patterns in manpower development, Indust. Rel. Center, Iowa State Univ, 69; Social customs and facility planning, Area Develop. Mag., 12/68. Address: Dept. of Anthropology, Central Washington State College, Ellensburg, Wash. 98926.
- DENMARK, DR. FLORENCE L. Psychology. See A-K Vol. 11th ed, Soc. & Behav. Vols. New position: Assoc. prof., 70-, Dept. of Psychology, Hunter College, New York, N.Y. 10021.

- DENNEY, PROF. ARTHUR HUGH, b. Rosendale, Mo. Sept. 25, 16; m. 39; c. 2. ECONOMICS, SOCIOLOGY. B.S. Missouri, 38; M.A., 50; London, 69. Prof. leader, Mo. Conserv. Cmn. 38-41, proj. coordinator conserv. planning, 41-44; head recreation, Mo. Resources & Develop. Cmn. 44-45, dir. resource develop, 45-47; owner-operator, Blue Springs Lodge & Holiday House, 48-50; admin. asst., McDonnell Aircraft Corp., 50-54; owner-operator, Blue Springs Lodge, 54-58; ASSOC. PROF. REGIONAL & COMMUNITY AFFAIRS, MISSOURI-COLUMBIA, 58- Lectr. West Virginia & Arkansas, 68; Philippines, 69. Consult. Purdue, 61-64. Agr. Econ. Assn; Regional Sci. Assn; Community Develop. Soc. Delineation of planning regions for network functions; correlates of urban size. Address: Dept. of Regional & Community Affairs, University of Missouri, Columbia, Mo. 65201.
- DENNIS, DR. BENJAMIN G(UMBU), b. Monrovia, Liberia, June 5, 39; m. 67; c. 2. SOCIOLOGY, ANTHROPOLOGY. B.A. & B.S. Lincoln, 54; M.A., Fisk, 56; Washington (St. Louis), 56-59; Ph.D.(sociol. anthrop.) Mich. State, 64. Asst. prof. SOCIOLOG. & ANTHROP. OHIO, 64-65; ASSOC. PROF., 66-; chmn. dept. 65-69. Sociol. Assn; Anthrop. Assn; fel. African Studies Assn. Race and ethnic relations as is found in both urban and rural milieu; traditional African societies. Address: Dept. of Sociology & Anthropology, Ohio University, Athens, Ohio 45701.
- DENNIS, LAWRENCE EDWARD, b. Virginia, Minn. Sept. 20, 20. MASS COMMUNICATION. A.B. Iowa State Teachers Col., 40; A.M., Minnesota, 42; Iowa, 46-48. Instr. journalism & polit. sci. Iowa, 46-48; assoc. prof. journalism & citizenry, Kans. State Col., 48-50; spec. asst. to cmr., ed. U.S. OM. Ed. D.C. 50-51; ed. writer, Des Moines Register-Tribune, 52-53; admin. asst. to pres. Pa. State, 54-55; provost, 56-57; v.pres. acad. affairs, 57-61; assoc. dir. Peace Corp. D.C. 61-62; dir. cm. acad. affairs & exec. assoc. Am. Coun. Ed. 62-65; ed. prog. consult. Ford Found., Caracas, Venezuela, 65-67; chancellor, R.I. State Syst. Higher Ed. 68-70; PROVOST, MASS. STATE COL. SYST., 70-; News analyst, Sta. WSUI, Iowa, 46-47; sta. KSAC, Kans. 48-50; pub. affairs columnist, Iowa City Daily Iowan, 46-48; Manhattan Tribune-News, Kans. 48-50. Polit. Sci. Assn; Assn. Ed. in Journalism; Adult Ed. Assn. U.S. International freedom of information; interpretation of contemporary affairs; teaching of public affairs. Address: Division of State Colleges, 65 Franklin St., Boston, Mass. 02110.
- DENNIS, PROF. WAYNE. Psychology. See A-K Vol. 11th ed, Soc. & Behav. Vols. New information: Retired, 70. Address: Dossell, Va. 23047.
- DENNY, DEAN BREWSTER C(ASTBERG). Political Science. See A-K Vol. 11th ed, Soc. & Behav. Vols. New position: Dean, 68-; Graduate School of Public Affairs, University of Washington, Seattle, Wash. 98105.
- DENNY, DR. NATHAN ROBERT, b. Lake Charles, La. July 5, 42; m. 62; c. 1. EXPERIMENTAL PSYCHOLOGY. B.A. La. State, 63; M.A. Oregon, 65; Ph.D.(memory), 67. ASST. PROF. EXP. PSYCHOL. TEXAS TECH. 67- Tex. State res. grant, 68-; prin. investr. Thesis contract, U.S. Dept. Defense, 69- Psychol. Assn. Function of human memory performance in computer sequential information processing, especially concept learning, probability discrimination and complex tracking. Address: Dept. of Psychology, Texas Tech University, Lubbock, Tex. 79409.
- DENO, DR. STANLEY LYNN, b. Minneapolis, Minn. May 23, 36; m. 65. EDUCATIONAL PSYCHOLOGY. B.A., St. Olaf Col., 58; Ph.D.(ed. psychol.), Minnesota, 65. Teacher, Bloomington Pub. Schs. 62-63; from asst. prof. to assoc. prof. ed. psychol. Delaware, 66-69; VIS. PROF. SPEC. ED. MINNESOTA, MINNEAPOLIS, 69- U.S.A.F. 58-61, Capt. Psychol. Assn; Ed. Res. Assn; Nat. Soc. Study Ed. School learning; contingency management; learning problems; educational research. Publ: Co-auth. Student motivation and classroom management, Behav. Techniques, Inc. 69; auth. Learning language equivalents, 67 & co-auth. Influence of student feedback on teacher's self-evaluations, 11/69. J. Ed. Psychol. Address: Dept. of Special Education, University of Minnesota, Minneapolis, Minn. 55455.
- DENT, DR. ORAN B(AILEY). Clinical Psychology. See A-K Vol. 11th ed, Soc. & Behav. Vols. New position & address: Dir. clin. training, 69-; Section of Psychology, Presbyterian-St. Luke's Hospital, 1753 W. Congress Pkwy, Chicago, Ill. 60612.
- DENTAN, DR. ROBERT K. Anthropology. See A-K Vol. 11th ed, Soc. & Behav. Vols. New position & address: Assoc. prof. anthrop. & Am. studies, 69-; Dept. of Anthropology, State University of New York at Buffalo, 4242 Ridge Lea Rd., Buffalo, N.Y. 14226.
- DEPROSPRO, DR. ERNEST ROCCO, JR. Urban Administration. See A-K Vol. 11th ed, Soc. & Behav. Vols. Change of address: 16 Westwood Rd., East Brunswick, N.J. 08816.
- DERGE, DR. DAVID R. JR. Political Science. See A-K Vol. 11th ed, Soc. & Behav. Vols. New position: Prof. polit. sci., dean. admin. & exec. v.pres., 69-; Indiana University, 200 Bryan Hall, Bloomington, Ind. 47401.
- DEROGATIS, DR. LEONARD R., b. Wilmington, Del. Sept. 24, 38. PSYCHOLOGY. B.A., Delaware, 61; M.A. Catholic Univ. 64, Ph.D.(psychol.), 65. Res. psychologist, E.I. du Pont de Nemours & Co., 65-67; sr. res. scientist, biomet. lab., George Washington, 67-69; ASST. PROF. MED. PSYCHOL., SCH. MED. HOPKINS, 69- Psychol. Assn. Development of computerized statistical models for assessment and prediction in research in psychopathology and psychopharmacology. Publ: Structural vs interpretive ambiguity, J. Proj. Tech. & Personality, 2/68. The power of the IMPS in psychiatric drug research, Arch. Gen. Psychiat., 12/68 Dimensions of outpatient neurotic pathology, J. Consult. & Clin. Psychol., 4/70. Psychiatr. Psychiatry, Johns Hopkins University School of Medicine, Baltimore, Md. 21205.
- DERR, DR. DONN ALLAN, b. Kenton, Ohio, July 21, 40; m. 64; c. 1. AGRICULTURAL ECONOMICS. B.S. Ohio State, 62; M.S., 64, Ph.D.(agr. econ.), 68. Res. asst. agr. econ. Ohio Agr. Exp. Sta. 62-64; rev. appraiser, State Dept. Hwys., Ohio, 64-65; asst. agr. econ. AGR. ECON. Ohio Agr. Res. & Develop. Center, 65-68; RES. PROF., RUTGERS, 68- Agr. Econ. Assn;
- Econ. Assn. Resource economics; land and water resources; real estate economics. Address: Dept. of Agricultural Economics & Marketing, Rutgers, The State University, New Brunswick, N.J. 08903.
- DERRIG, RAYMOND, S.J., b. Denver, Colo. July 6, 16. POLITICAL SCIENCE & PHILOSOPHY. A.B. St. Louis, 39, Ph.L., 41, M.A., 44, S.T.L., 48, Ph.D., 60. Instr. soc. studies, Campion Col., 42-44; POLIT. SCI., Marquette, 54-55; ST. LOUIS, 55-60, asst. prof. 60-64, ASSOC. PROF., 64- Vis. lectr., Seattle (St. Louis), 63. Mem. Conf. Study Polit. Thought. Polit. Sci. Assn, American political thought; American socialism; church-state relations. Address: Dept. of Political Science, St. Louis University, St. Louis, Mo. 63103.
- DESHOWITZ, PROF. ALAN MORTON. Law, Law & Behavioral Science. See 5th ed, Dir. Am. Scholars, Vol. IV, Philos., Relig. & Law.
- DESALVO, DR. ROBERT JAMES, b. Toledo, Ohio, July 20, 33; m. 67. PHARMACEUTICAL ECONOMICS. B.S. Toledo, 56; M.S. Pittsburgh, 56, Ph.D. (pharmaceut. econ), 67. Instr. pharmaceut. econ. Pittsburgh, 65-66; ASST. PROF. PHARM. ADMIN., PURDUE, 67- U.S.A. 56-58. Am. Pharmaceut. Assn; Acad. Pharmaceut. Sci. Health economics; prepaid prescriptions; marketing of drug products; drug distribution. Address: Dept. of Pharmacy Administration, School of Pharmacy & Pharmaceutical Sciences, Purdue University, Lafayette, Ind. 47907.
- DESJARLAIS, DEAN LIONEL, b. Providence, R.I. June 21, 20; Can. citizen; m. 53; c. 3. PSYCHOLOGISTICS, EDUCATION. B.A. Montreal, 40, B.Paed, 41; M.A., Ottawa (Ont.), 47, Ph.D.(ed.), 54. Teacher, elem. schs., Ont., 41-49; sec. schs., 49-64; prof. ed., Ottawa (Ont.), 54-55, psychol. teachers col., 55-62; supt. elem. schs., Ottawa, 62-64; prof. ed., faculty psychol. & ed., OTTAWA (ONT.), 64-67, DEAN FACULTY ED. 67- Consult. Ottawa Separate Sch. Bd., 67- Am. Ed. Res. Assn; Can. Psychol. Assn; Can. Assn. Deans Ed. (psychosocial) aspects of learning and second language; bilingualism. Publ: Is I.Q. enough. In: Education of the gifted, Conn. Clark, 58; co-auth. English as a second language, Ont. Curriculum Inst., 65 & Training of elementary school teachers, Govt. Ont., 66. Address: 1684 Rhodes Court, Ottawa 8, Ont., Can.
- DESMONDE, PROF. WILLIAM H. Philosophy. See 5th ed, Dir. Am. Scholars, Vol. IV, Philos., Relig. & Law.
- DESOMOGYI, DR. JOSEPH. Middle Eastern History & Economics. See 5th ed, Dir. Am. Scholars, Vol. I, Hist.
- DESTOUNIS, DR. NICHOLAS, b. Patras, Greece, Mar. 14, 27; U.S. citizen; m. 54. PSYCHIATRY, Mil. Med. Acad. Greece, 47-51; M.D., Nat. Univ. Athens, 53. Teaching fel. psychiat., Pittsburgh, 57-58, instr. 58; res. assoc. Dalhousie, 59-62; dir. res. Crownsville State Hosp., Md. 63-65; clin. dir. psychiat., Del. State Hosp., 65-67; asst. prof. Albert Einstein Col. Med., 67-69; ASSOC. PROF. PSYCHOL., PACE COL., 69- Lectr., psychiatrist, instr. Univ. Maryland, 63-65; lectr. & res. econ. Jefferson Med. Col., 65-68. Consult. Albert Einstein Col. Med. & Bronx Munic. Med. Center, 67- AAAS; fel. Am. Geriatr. Soc.; fel. Acad. Psychosom. Med.; Am. Psychiat. Assn; Can. Psychiat. Assn; fel. Royal Med. Soc.; World Psychiat. Assn. Psychosomatic aspects of pregnancy; psychopharmacology of depression; milieu therapy; psychosomatic aspects of lupus erythematous. Publ: The salutary effects of tofranil on adult psychotic endures, J. Psychiat. Commun., 11/64. Post partum psychiatric syndromes, 1/66 & The relationship between schizophrenia and toxoplasmosis, 11/66, Del. Med. J. Address: Dept. of Psychology, Pace College, 41 Park Row, New York, N.Y. 10038.
- DETER, DR. FRANCIS H(ARVEY). Clinical Psychology. See A-K Vol. 11th ed, Soc. & Behav. Vols. New position & address: Dir., 69-; Rutherford County Guidance Center, 315 N. Church St., Murfreesboro, Tenn. 37130.
- DETERLINE, DR. WILLIAM ALEXANDER. Psychology. See A-K Vol. 11th ed, Soc. & Behav. Vols. New position: Consult. Deterline Assocs., 69- Address: 1990 Scott Lane, Los Altos, Calif. 94022.
- DE VALOIS, PROF. RUSSELL L(E). Psychology. See A-K Vol. 11th ed, Soc. & Behav. Vols. New position & address: Prof., 68-; Dept. of Psychology, University of California, Berkeley, Calif. 94720.
- DEVINO, DR. GARY T(HOMAS). Agricultural Economics, Business Administration. See A-K Vol. 11th ed, Soc. & Behav. Vols. New position & address: Assoc. prof., 70-; Dept. of Agricultural Economics, University of Missouri, Columbia, Mo. 65201.
- DEVRIES, PROF. MARVIN GERARD, b. Grand Rapids, Mich., July 9, 33; m. 53; c. 2. ECONOMICS, STATISTICS. B.S.E., Michigan, 59, M.B.A., 60, fels., 59-63, Ph.D.(quant. econ), 63. Res. assoc., inst. sci. & tech., Michigan, 60-65; asst. prof. ECON. GRAND VALLEY STATE COL., 63-66; assoc. prof., 66-70, PROF., 70- CHMN. DEPT. ECON. & BUS., 66- U.S.A. 53-55. Inst. Mgt. Sci. Opers. Res. Soc.; Econ. Assn; Am. Sci. Affiliation. Development of statistical forecasting models; analysis of industrial competitive structure and regional economic development. Publ: Co-auth. Anatomy of an industry, Univ. Michigan, 8/63; auth. The dynamic effects of planning horizons on the selection of optimal production strategies, Mgt. Sci., 4/64 & What hath gold wrought, Value Invest., 12/68. Address: Dept. of Economics, Grand Valley State College, Allendale, Mich. 49401.
- DEVYER, PROF. FRANK T(RAVER). Labor Economics. See A-K Vol. 11th ed, Soc. & Behav. Vols. New information: No longer provost, Duke. Address: 8 Sylvan Rd., Durham, N.C. 27701.
- DE WAAL MALEFLOT, DR. ANNEMARIE. Anthropology. See A-K Vol. 11th ed, Soc. & Behav. Vols. New position: Prof., Hunter Col., 70- Address: 552 Riverside Dr., Apt. 6-C, New York, N.Y. 10027.
- DEWEY, DR. ANNE HULSE. Economics. See A-K Vol. 11th ed, Soc. & Behav. Vols. New position: Assoc. prof., Hunter Col., 69- Address: Box 754, Red Creek Rd., Hampton Bays, N.Y. 11946.

- DEXTER, DR. LEWIS ANTHONY. Political Science, Sociology. See A-K Vol. 11th ed, Soc. & Behav. Vols. Publ: How organizations are represented in Washington Bobs, 68 (title change from: Group representatives before government: government relations as a profession and a task). New Publ: Sociology and politics of congress, Rand McNally, 69; Elite and specialized interviewing, Northwestern Univ, 69. Address: 536 Pleasant St, Belmont, Mass. 02178.
- DE YOUNG, DR. KENNETH NORMAN. Psychology. See A-K Vol. 11th ed, Soc. & Behav. Vols. New position: Staff psychologist, Rohrer, Hibler & Replogle, 69-. Address: 1749 Hayes Rd, Marne, Mich. 49534.
- DHILLON, DR. PRITAM SINGH, b. Montgomery, Pakistan, June 13, 35; m. 68. AGRICULTURAL ECONOMICS. B.Sc. Panjab, India, 55, M.A., 57; Ph.D. (agr. econ), Pa. State, 64. ASST. PROF. AGR. ECON., Pa. State, 64-66; RUTGERS, 66-. Agr. Econ. Assn; Econ. Assn. Agricultural production, economics; agricultural marketing. Publ: Co-auth, Farm production trends in Pennsylvania to 1960, Pa. Agr. Exp. Sta, 62; auth, Milk production and demand in the Northeast, N.J. Agr. Exp. Sta, 69. Address: Dept. of Agricultural Economics & Marketing, Rutgers University, New Brunswick, N.J. 08903.
- DIAMANT, PROF. ALFRED. Political Science. See A-K Vol. 11th ed, Soc. & Behav. Vols. New position: Prof., 69-. Dept. of Political Science, Indiana University, Bloomington, Ind. 47401.
- DIAMOND, DR. LORRAINE K. b. New York, N.Y. July 16, 25; m. 53; c. 4. EDUCATIONAL PSYCHOLOGY. B.A. Hunter Col, 46; M.S. Michigan, 47; Ph.D. (psychol), Columbia, 53. Res. asst, inst. psychol. res, teachers col, Columbia, 47-49; lectr, City Col. New York, 49-53; res. assoc, Puerto Rican Study, New York City Bd. Ed, 54-56; res. assoc, inst. res. & serv. in Nursing ed, teachers col, Columbia, 56-64; lectr, CITY COL. NEW YORK, 64-66, ASST. PROF. ED. PSYCHOL, 66-. Res. asst, inst. psychol. res, teachers col, Columbia, 49-53; res. assoc, 53-. Psychol. Assn. Educational measurements and research. Publ: Co-auth, Satisfying and stressful situations in basic programs in nursing education, Bur. Pubs, Teachers Col, Columbia Univ, 65 & Self perceived mastery of curriculum content and of methods on the part of beginning elementary school teachers and prospective teachers at various stages of preparation, Div. Teacher Ed, City Univ. New York, 67; Nursing students' perceptions of the psychiatric nursing experience, Perspectives in Psychiat. Care, 3: 30-40. Address: 90 La Salle St, New York, N.Y. 10027.
- DIAMOND, DR. NORMA J. b. New York, N.Y. Feb. 12, 33. ANTHROPOLOGY. B.A. Wisconsin, 54; Ph.D. (anthrop), Cornell, 66. ASSOC. PROF. ANTHROPOLOGY, MICHIGAN, 63-. Am. Coun. Learned Soc. & Am. Philos. Soc. fcls, 69-70; vis. fel, Acad. Sinica, Taiwan, 69-70. Fel. Anthropol. Assn; Soc. Appl. Anthropol. Assn. Asian Studies. Chinese studies; cultural anthropology; cultures of Northeast Asia, especially problems of modernization and social change, ideology and values of Asian peasants. Publ: K'un Shen: a Taiwan village, Holt, 69; co-auth, chap. In: Being an anthropologist, Holt, (in press). Address: Dept. of Anthropology, 221 Angell Hall, University of Michigan, Ann Arbor, Mich. 48104.
- DIAMOND, PROF. SIGMUND. Sociology. See A-K Vol. 11th ed, Soc. & Behav. Vols. New information: Vis. prof. soc. hist, Hebrew Univ, Jerusalem. Address: Dept. of Sociology, Columbia University, New York, N.Y. 10027.
- DIAZ-BORDENAVE, DR. JUAN ENRIQUE. Communications. See A-K Vol. 11th ed, Soc. & Behav. Vols. Change of address: Praia de Flamengo 322 Apt. 401, Rio de Janeiro, Brazil.
- DICARA, DR. LEO VINCENT. Physiological Psychology. See A-K Vol. 11th ed, Soc. & Behav. Vols. New position & address: Assoc. prof. physiol. psychol, 69-, Rockefeller University, 66th St. & York Ave, New York, N.Y. 10021.
- DICK, DR. ALFRED OTTO, b. Carleton, Mich, Sept. 3, 40; m. 65; c. 1. PSYCHOLOGY. A.B. Dartmouth Col, 63; M.A. Waterloo, 64, Ont. fel, 64-67, Ph.D. (psychol), 67. Vis. asst. prof. PSYCHOL, Simon Fraser Univ, 66; ASST. PROF., Lake Forest Col, 67-69; ROCHESTER, 69-. AAAS; Psychol. Assn. Visual information processing, particularly how organisms receive, analyze, interpret and use information. Publ: Co-auth, An analysis of hierarchical processing in visual perception, Can. J. Psychol., 6/69; auth, Relations between the sensory register and short-term storage in tachistoscopic recognition, J. Exp. Psychol., 11/69; Perception of information processing: a stage analysis, In: Human development and cognitive processes, Holt, 71. Address: Dept. of Psychology, University of Rochester, River Campus Station, Rochester, N.Y. 14627.
- DICK, PROF. HERBERT WILLIAM. Anthropology, Archaeology. See A-K Vol. 11th ed, Soc. & Behav. Vols. New position: Prof. anthrop., 69-. Dept. of Sociology & Anthropology, Adams State College, Alamosa, Colo. 81101.
- DICKERSON, DR. WINDEL LEE, b. Lubbock, Tex, July 30, 37; m. 59; c. 2. EDUCATIONAL PSYCHOLOGY. B.A. N.Tex. State Col, 60, M.S., 61; Ph.D. (ed. psychol), Texas, 66. Psychologist, Austin State Sch, 60-62; exec. dir. voc. rehab. regional training center, Texas, 64; asst. prof. div. ed. Colo. State Col, 65; col. ed. Florida, 65-66; assoc. dir. res. rehab. res. & training center ment. retardation, TEXAS, AUSTIN, 66-68, ASST. PROF. SPEC. ED, 66-. DIR. REHAB. RES. & TRAINING CENTER MENT. RETARDATION, 69-. Res. consult, Inter-Univ. Consortium Study Ethnicity Rehab, 66-67; res. & training center ment. retardation, Univ. Oregon, 67; prog. consult, Camp Gary Job Corps Center, San Marcos, Tex, 68. Nat. Rehab. Assn. Psychol. Assn; Assn. Ment. Deficiency. Psycho-educational intervention with exceptional children and personal development as a function of peer interaction. Publ: Strategies for evaluation of short-term training, In: Program development in mental retardation and vocational rehabilitation, Am. Assn. Ment. Deficiency, 68; co-auth, The plural elite and rehabilitation potential & Sustained versus interrupted institutionalization: II, Am. J. Ment. Deficiency, 1968. Address: Dept. of Special Education, University of Texas at Austin, Austin, Tex. 78712.
- DICKESON, DR. ROBERT (ELMER), b. Independence, Mo, June 28, 40; m. 63. POLITICAL SCIENCE. A.B. Missouri, 62, M.A., 63, Ph.D. (polit. sci), 68. Asst. polit. sci, MISSOURI-COLUMBIA, 62-64, admin. asst. to dean of students, 62-64, dir. student activities, 64-68, ASST. DEAN STUDENTS, 68- Personnel & Guid. Assn; Polit. Sci. Assn; Soc. Pub. Admin. Acad. Polit. & Soc. Sci. Public administration; municipal government and administration. Address: 200 Read Hall, University of Missouri-Columbia, Columbia, Mo. 65201.
- DICKINSON, DR. SHOI BALABAN. Sociology. See A-K Vol. 11th ed, Soc. & Behav. Vols. New position: Pres, Dickinson Res, Inc. Address: 440 Park Ave, New York, N.Y. 10022.
- DICKSON, DR. JAMES F. JR, b. Brooklyn, N.Y. July 18, 37; m. 63; c. 2. PSYCHOLOGY. B.A. Lafayette Col, 60; M.A. Kent State, 62; Ph.D. (psychol), Maryland, 70. Res. asst, Yerkes Labs, Fla, summer 60; grad. counsr. for men, Dean of Men's Off, Kent State, 60-62, asst. PSYCHOL, summer 62; Maryland, 62-65, instr., 65-66, ASST. PROF. ST. OLAF COL, 66-. Psychol. Assn; Animal Behav. Soc. Discrimination learning in animals; operant behavior; comparative and physiological psychology. Publ: Operant discrimination learning and stimulus generalization as a function of reward exposure, J. Comp. Psychol., 63; Some effects on generalization gradients of tandem schedules, 68 & Some effects of discriminative training with equated frequency of reinforcement, 68, J. Exp. Anal. Behav. Address: Dept. of Psychology, St. Olaf College, Northfield, Minn. 55057.
- DICKSON, DR. THOMAS INCHES, JR. Political Science. See A-K Vol. 11th ed, Soc. & Behav. Vols. New position & address: Assoc. prof., 68-. Dept. of Political Science, Auburn University, Auburn, Ala. 36850.
- DIDATO, DR. SALVATORE V. b. New York, N.Y. Aug. 28, 26; m. 67; c. 1. CLINICAL & SOCIAL PSYCHOLOGY. B.A. Hunter Col, 49; M.A. Catholic Univ, 50; N.Y. Univ, 50-52; Ph.D. (psychol), Loyola (Ill), 55. Employ. interv. New York City Div. Labor, 51-53; asst. prof. psychol, Maryland Col. (N.Y.), 56-57; Notre Dame Col. (N.Y.), 57-59; Seton Hall, 59-61; psychotherapist, Community Guid. Serv, N.Y., 57-69; MGT. CONSULT, MEDINA & THOMPSON, CHICAGO & N.Y., 68-. Psychotherapist, Bleuler Psychother. Center, 58-65. Dipl. exp. hypnosis, Am. Bd. Exam. Psychol. Hypnosis, 68. Hosp. C. U.S.N., 44-46. AAAS; Psychol. Assn; Group Psychother. Assn; Soc. Clin. & Exp. Hypnotism; Management psychology; personality growth through psychotherapy and counseling; group dynamics and group attitude formation; social conformity; management appraisal and executive development; group psychotherapy; hypnotherapy research; education; creativity; management psychology. Publ: Influence of masculinity-femininity on personal values, Psychol. Reports, 6/56; Recent trends in juvenile delinquency, Ment. Hyg., 10/69; Some vital reminders in selecting good managers, Personnel J., 6/70. Address: 175 Seton Dr, New Rochelle, N.Y. 10804.
- DIEBOLD, WILLIAM, JR. b. New York, N.Y. Mar. 23, 18; m. 37, 53; c. 6. INTERNATIONAL ECONOMICS. A.B. Swarthmore Col, 37; Yale, 37-38; London Sch. Econ, 38-39; Rockefeller res. fel, 39-40. Res. assoc, Coun. For. Rel., 39-43; economist, U.S. Off. Strategic Serv., 43-45; div. commercial policy, U.S. Dept. State, 45-46; SR. RES. FEL., COUN. FOR RELS., 47-Consult, U.S. Dept. State, 41-43. U.S.A., 44-45. Econ. Assn. International economic relations; United States foreign economic policy; European economic cooperation. Publ: New directions in our trade policy; Trade and payments in western Europe: a study of economic cooperation, 1947-51, Harper, 52; Schuman plan, Praeger, 59. Address: 204 N. Broadway, Upper Nyack, N.Y. 10960.
- DIEGEL, DR. ADOLF, b. Krefeld, Germany, Apr. 20, 35; m. 60; c. 5. MANAGEMENT, OPERATIONS RESEARCH. B.B.A. & Fulbright scholar, Oregon, 57, M.S., 58, D.B.A. (mgt. philol), 62; Western Reserve, 58-59. Sr. lectr. mgt, Okago, N.Z., 62-68; vis. lectr., Lancaster, 68-69; ASSOC. PROF. QUANT. MGT., SOUTH ALABAMA, 69-. Inst. Decision Sci. Dynamic inventory systems; total systems. Publ: Action for a new government, Univ. Lancaster, 69; An activity theory of management, Management, 64; A linear approach to the dynamic inventory problem, Mgt. Sci., 3/66. Address: Dept. of Quantitative Management, College of Business, University of South Alabama, Mobile, Ala. 36688.
- DIENER, DR. RICHARD J. Communication. See 5th ed, Dir. Am. Scholars, 1971, Eng. Speech & Drama.
- DIENES, DR. C. THOMAS. Law, Political Science. See 5th ed, Dir. Am. Scholars, Vol. IV, Philos. Relig. & Law.
- DIENSTRIER, DR. RICHARD ADOLPH, b. Pittsburgh, Pa, Dec. 18, 39; m. 61; c. 2. PSYCHOLOGY. B.A. Rhode Island, 56, M.A., 57; Nat. Sch. Ed. Act fel, Rochester, 66-69, Ph.D. (soc. psychol), 69. ASST. PROF. PSYCHOL., NEBRASKA, LINCOLN, 69-, jr. faculty res. fel, summer 70. U.S.A., 59-62. Meaning and labeling of emotional experience; racial prejudice and social perception. Publ: Co-auth, Can the superior learnability of meaningful and pleasant words be transferred to nonsense syllables?, J. Exp. Psychol., 7/62-2/68; auth, Positive and negative prejudice: interactions of prejudice with race and social desirability, J. Personality, (in press). Address: Dept. of Psychology, University of Nebraska, Lincoln, Nebr. 68508.
- DIESTEL, DR. JOSEPH. Mathematics. See Suppl. VI to 11th ed, Phys. & Biol. Vols.
- DIETRICH, DR. CORALIE E. b. Wilmington, Del, Nov. 2, 40; m. 65; c. 1. PSYCHOLOGY, SPECIAL EDUCATION. B.A. Catholic Univ, 63; M.A. Minnesota, 66, Nat. Defense Ed. Act fel. & Ph.D. (ed. psychol), 67. ASST. PROF. PSYCHOL., WIS. STATE-STEVENS POINT, 66-. Mem. Coun. Children with Behav. Disorders. Psychol. Assn; Coun. Except. Children. Exceptional

- children; child psychology; educational psychology. Address: Dept. of Psychology, Wisconsin State University-Stevens Point, Stevens Point, Wis. 54481.
- DIETZ, DR. PETER OWEN.** Business Finance. See A-K Vol, 11th ed, Soc. & Behav. Vols. New position & address: Assoc. prof. finance, 69-, Graduate School of Management & Business, University of Oregon, Commonwealth Hall, Eugene, Ore. 97403.
- DI GIOVANNI, DR. JOAN FIMBEL.** Experimental Psychology. See A-K Vol, 11th ed, Soc. & Behav. Vols. New information: No longer dir. counseling serv. West. New Eng. Col. Address: 910 Plumtree Rd, Springfield, Mass. 01119.
- DILLEHAY, DR. RONALD CLIFFORD.** Social Psychology. See A-K Vol, 11th ed, Soc. & Behav. Vols. New position & address: Assoc. prof. psychol. & behav. sci., 69-, Dept. of Psychology, University of Kentucky, Lexington, Ky. 40506.
- DILLEY, PROF. MARJORIE RUTH.** Political Science. See A-K Vol, 11th ed, Soc. & Behav. Vols. New information: Emer. prof. Dept. of Government, Connecticut College, New London, Conn. 06320.
- DILLMAN, DR. BUDDY LEROY.** b. Garfield, Ark. May 20, 35; m. 59; c. 2. ECONOMICS, AGRICULTURAL ECONOMICS. B.S. Arkansas, 59, M.S. 61; Agr. Policy Inst. fel, N.C. State, 61-64, Ph.D.(econ), 67. Regional economist, econ. res. serv. U.S. Dept. Agr, Morgantown, W.Va. 64-66; asst. prof. AGR. ECON, CLEMSON, 66-70, ASSOC. PROF., 70- Lectr. col. commerce, West Virginia Univ. 66; assoc. Res. Group, Inc. Atlanta, Ga. 67- U.S.A.F. 56. Econ. Assn. Agr. Admin. Regional economic development, human resources; migration; agricultural economics. Address: 217 Lark Circle, Clemson, S.C. 29631.
- DILLMAN, DR. CHARLES DANIEL.** b. Flora, Ill. Jan. 25, 34; m. 61; c. 3. GEOGRAPHY. A.B. Michigan, 56, M.A. 57, Ph.D.(geog), 68. Asst. prof. GEOG., Western Illinois, 61-62; Wis. State-Oshkosh, 62-66; NORTHERN ILLINOIS, 66-70, ASSOC. PROF., 70- Consult. Ill. State Dept. Pub. Instr. 68. Asn. Am. Geog. Assn. Geog. Soc. Nat. Coun. Geog. Ed. The Northern Border Zone of Mexico vis-a-vis the United States; colonization in Latin America; settlement geography. Publ: Sr. co-auth. Laboratory manual for earth science, Burgess, 65; auth. Border town symbiosis as exemplified by the twin cities, Brownsville, Texas and Matamoros, Tamaulipas, Rev. Geog., 12/69; Urban growth along Mexico's Northern Border and the Mexican National Border Program, J. Develop. Areas, 7/70. Address: Dept. of Geography, Northern Illinois University, DeKalb, Ill. 60115.
- DILLON, PROF. ROY DEAN.** b. Peoria, Ill. Dec. 10, 29; m. 53; c. 3. VOCATIONAL EDUCATION. B.S. Illinois, 52, M.Ed. 58, Ed.D.(voc. ed), 65. Teacher high schs., Ill. 52-61; safety specialist, Ill. Agr. Assn. 61-62; res. assoc. agr. ed, Illinois, 62-64; assoc. prof. agr. & chmn. dept. Morehead State, 64-67; PROF. AGR. ED. NEBRASKA, LINCOLN, 67- U.S.A.F. 1st Lt. Program planning for agricultural education programs in secondary & post secondary schools. Address: 302 Agricultural Hall, University of Nebraska, Lincoln, Nebr. 68503.
- DILLON, DR. WILTON (STERLING).** Cultural Anthropology. See A-K Vol, 11th ed, Soc. & Behav. Vols. New position: Dir. seminars, Smithsonian Inst. 69- Address: 1446 Woodacre Dr, McLean, Va. 22101.
- DILLOW, DR. PAUL V.** b. London, Eng. Feb. 4, 43; div. PSYCHOLOGY. B.Sc. Durham, 64; London, 64-65; Ph.D.(psychol), Tennessee, 68. ASST. PROF. PSYCHOL., ARIZONA STATE, 68-; STAFF PSYCHOLOGIST, ARIZ. STATE HOSP., 68- Operant conditioning; information and avoidance learning; rule learning and awareness; aggressive behaviors; behavior modification techniques; learning process variables; existentialism. Address: Dept. of Psychology, Arizona State University, Tempe, Ariz. 85281.
- DIMLING, JOHN ARTHUR, JR.** Operations Analysis. See A-K Vol, 11th ed, Soc. & Behav. Vols. New position: V-pres. & dir. res. Nat. Assn. Broadcasters, Wash, D.C. 69- Address: 9203 New Hampshire Ave, Silver Spring, Md. 20903.
- DIMOCK, DR. MARSHALL E(DWARD).** Political Science. See A-K Vol, 11th ed, Soc. & Behav. Vols. New information: Consult. President's Adv. Coun. Exec. Orgn. 69- Address: R.D. 1, Scrivelsby, Bethel, Vt. 05032.
- DINGMAN, DR. PAUL R.** Psychology. See A-K Vol, 11th ed, Soc. & Behav. Vols. New position: Chief, Ment. Health Svc. N.Mex. Health & Soc. Serv. Dept., 69- Address: Route 3, Box 58, Old Agua Fria Rd, Santa Fe, N.Mex. 87501.
- DINKELACKER, DR. E. WILLIAM.** b. New York, N.Y. Dec. 18, 34; m. 67. ECONOMICS. B.B.A. City Col. New York, 59; Nat. Defense Ed. Act fel, Hopkins, 59-62, Ph.D.(econ), 69. Fiscal economist, U.S. Dept. Treasury, summer 61; economist, U.S. Dept. Commerce, 62-67; instr. econ. mem. res. staff & tech. dir. econ. data library, GEORGETOWN, 64-69, ASST. PROF. ECON. 69- Consult. U.S. Trade Rel. Coun. 65-69; Adv. Cmn. Intergov. Rel. 70- Econ. Assn. Federal, state and local public finance; tax policies and instruments to stimulate growth; capital expenditure functions, especially econometric specification and testing of investment behavior on the industry level. Publ: Co-auth. Employment, output and foreign trade of U.S. manufacturing industries, 1958-64/65 and 66/67, Trade Rel. Coun. 67 & 69; auth. Alternative tax incentives for investment, J. Polit. Econ. 4/64 & Models of investment behavior: an econometric critique, Econometrica, 70. Address: Dept. of Economics, Georgetown University, Washington, D.C. 20007.
- DION, PROF. GERARD.** Industrial Relations. See A-K Vol, 11th ed, Soc. & Behav. Vols. New publ: Co-auth. Le syndicalisme Canadien, Laval Univ. 68. Address: Dept. of Social Science, Laval University, Quebec 10, Que. Can.
- DION, DR. PIERRE.** b. Trois Rivières, Que. July 21, 31; m. 56; c. 3. PSYCHOLOGY. B.A. Laval, 51, B.Ed. 54, L.O.R. 56, Ph.D.(psych). Otago, 63. Dir. dept. psychol. St. Michel Hosp. Archange, Que. 56-66; ASSOC. PROF. PSYCHOL. & DR. PSYCHO-SOC. CENTER, MONCTON, 66- Lectr. & superv. intern. dept. psychol., Laval, 63-66. Consult. various hosps. Que. 56-66; psych. child. serv. Dept. Health, Que. 65-66; New Start, New Brunswick Inc. 69- Am. Psychol. Assn. Internat. Soc. Psychol. Can. Psychol. Assn. Professional training in psychology; counseling psychology; psychotherapy; bilingualism; development of underprivileged regions. Address: Dept. of Psychology, University of Moncton, Moncton, N.B. Can.
- DIRENZO, PROF. GORDON JAMES.** Sociology, Social Psychology. See A-K Vol, 11th ed, Soc. & Behav. Vols. New position & address: Prof. 70- Dept. of Sociology, University of Delaware, Newark, Del. 19711.
- DISTEFANO, DR. MICHAEL KELLY.** b. Roseland, La. Nov. 27, 29; m. 57; c. 2. PSYCHOLOGY. B.S. Tulane, 51; M.A. La. State, Baton Rouge, 57, Ph.D.(soc-indust. psychol), 57. Prisoner classification officer, La. State Penitentiary, Angola, State Dept. Instrns. 55-57, dir. classification, 59-62, psychologist, Pinecrest State School, Pineville, 57-59; CENT. LA. STATE HOSP. STATE DEPT. HOSPS, 62-69, CHIEF OF RES, 69- Asst. prof. La. Col. 62- Consult. Bur. Hearings & Appeals, Dept. Health, Ed. & Welfare, 63-; voc. rehab. consult. La. State Dept. Ed. 63- U.S.A. 51-53. Psychol. Assn. Nat. Rehab. Assn. Social-industrial psychology; application of personnel and organizational psychology to mental health; mental health research relevant to evaluation, treatment and outcome. Publ: Changes in work-related attitudes with age, J. Genetic Psychol. 114: 127-134; co-auth. Vocational evaluation and successful placement of psychiatric clients in a vocational rehabilitation program, Am. J. Occup. Ther. 24: 205-207 & Stability of psychiatric attendants following training, Ment. Hyg. (in press). Address: Box 31, Central Louisiana State Hospital, Pineville, La. 71360.
- DITMARS, EARL E(DWARD).** Economics. See A-K Vol, 11th ed, Soc. & Behav. Vols. New position: Dir. mkt. res. & anal. 69- American Airlines, Inc. 633 Third Ave, New York, N.Y. 10017.
- DITZ, DR. GERHARD (WILLIAM).** Economics. See A-K Vol, 11th ed, Soc. & Behav. Vols. New position: Prof. sociol. Missouri-Kansas City. 68- Address: 5714 Main St, Kansas City, Mo. 64113.
- DWAN, DR. ROMESH KUMAR.** b. Sabathu, H.P. India. Dec. 20, 33. ECONOMIC. ICS. M.A. Delhi, 55; Commonwealth scholar, Birmingham, 61-64, Ph.D. (appl. econ), 65. Res. officer, Panjab Govt. India, 57-58; lectr. econ. Panjab Univ. 58-61; economet. Glasgow Univ. 64-65; consult. U.N. Cmt. Trade & Develop. New York, 65-66; 67-68; ASSOC. PROF. ECON. Univ. Hawaii, 66-67; RENSSLAER POLYTECH. 68. Econ. Assn. Economet. Soc. Econometrics of production and cost functions; econometric models of Indian economy; import substitution and economic development; international trade; economic growth and development. Publ: Alternative specifications of economies of scale, Economica, 66; Debate on food in India; relevant variables. Econ. & Polit. Weekly, 66; Test of two gap theory of economic development. J. Develop. Studies, 68. Address: Dept. of Economics, Rensselaer Polytechnic Institute, Troy, N.Y. 12181.
- DIX, DR. ROBERT HELLER.** Political Science. See A-K Vol, 11th ed, Soc. & Behav. Vols. New position & address: Assoc. prof. 68-, Dept. of Political Science, Rice University, Houston, Tex. 77001.
- DIXON, DR. DAVID (ROBERT).** Psychology. See A-K Vol, 11th ed, Soc. & Behav. Vols. New position & address: Staff psychologist, 69-. Porterville State Hosp., Box 2000, Porterville, Calif. 93257.
- DIXON, PROF. JAMES C(ULLEN).** b. Senatobia, Miss. May 15, 32; m. 56; c. 2. POLITICAL SCIENCE. B.A. Marshall, 53, M.A. 57; fel. & Ph.D.(polit. sci), Emory, 63. Mgt. analyst, Hq. Air Mat. Command, U.S. Air Force, 56-57; asst. prof. POLIT. SCI. High Point Col. 59-63; East Carolina, 63-65, assoc. prof. 65-69; VIS. PROF. & CHMN. DEPT. NORTH CAROLINA, WILMINGTON, 69- Asst. prof. Marshall, summer 60. U.S.A. 53-55. Polit. Sci. Assn. American judicial behavior and United States constitutional law with emphasis on civil liberties; state and local government in this country; general field of American government and politics. Publ: Co-auth. Selected readings in American national government, McCutchen, 69. Address: Dept. of Political Science, University of North Carolina at Wilmington, Wilmington, N.C. 28401.
- DIXON, PROF. KEITH (ALAN).** Anthropology. See A-K Vol, 11th ed, Soc. & Behav. Vols. New position: Prof. 68-, Dept. of Anthropology, California State College, Long Beach, Calif. 90801.
- DIXON, DR. LINDA K(AY).** Behavioral Genetics. See Suppl. VI to 11th ed, Phys. & Biol. Vols.
- DIZENHUIZ, DR. ISRAEL MICHAEL.** b. Toronto, Can. May 20, 31. PSYCHIATRY. M.D. Toronto, 55. Rotating gen. intern. E.J. Meyer Mem. Hosp. Buffalo, N.Y. 55-56; res. psychiatrist, Col. Hosp. Hamilton, 56-57; Cincinnati, 57-58, fel. 59-60; instr. CHILD PSYCHIAT, COL. MED. CINCINNATI, 61-64, asst. prof. 64-69, ASSOC. PROF. 69-, ASSOC. DIR. CHILD PSYCHIAT, CENT. PSYCHIAT. CLIN. 66-, asst. dir. 63-66. Staff child psychiatrist, Child Guid. Home, Cincinnati, 61; lectr. Univ. Training for Community Ment. Health Serv., Cincinnati, 63-68; attending child and psychiatrist & clinician child psychiatrist, Cincinnati Cent. Hosp. psychiatrists, consult. staff, Children's Hosp. Cincinnati, 66; lectr. Univ. Cincinnati, 67; asst. examiner, child psychiatrist, exam. Am. Bd. Psychiat. & Neurol. 67-69. Consult. Family Serv. Cincinnati, 63-67; Jewish Family Serv. 63-68; chmn. Mid-East. reg. cmt. on pub. ed. Am. Assn. Psychiat. Clin. for Children, 66, mem. nat. cmt. on pub. ed. 66. Mem. Precocious Pregnancy Res. Team, Dept. Psychiat. 59-60; mem. bd. trustees, Hamilton Co. Diagnostic Center Mentally Retarded, 63-; prnl. ad. cmt. United Serv. for Handicapped of Cincinnati; Citizen's Cmt. Area Task Force on Ment. Retardation; clin. decision making res. team, 67-; res. team, Family Serv. of Cincinnati, 67- Cert. approved training in career

child psychiat. Am. Assn. Psychiat. Clin. for Children, 60. Dipl. psychiat. Am. Bd. Psychiat. & Neurol, 62. child psychiat. 65. Fel. Psychiat. Assn. Orthopsychiat. Assn. fel. Acad. Child Psychiat. Community psychiatry. Address: Dept. of Child Psychiatry, University of Cincinnati College of Medicine, Cincinnati, Ohio 45221.

DIZMANG, OSCAR K(IRE). Economics, Business Administration. See A-K Vol. 11th ed. Soc. & Behav. Vols. New information: Retired, Bicklen Consolidated High 69: independent consult, 69-. Address: N 3411 Post St, Spokane, Wash. 99208.

DOANE, CHARLES RUSSELL, b. Merrick, N.Y., May 11, 16; m. 41; c. 5. ECONOMICS. B.A., Washington & Lee, 37. Statist. clerk, Standard Oil Co. (N.D.), 37-39; prod. control super., Sperry Gyroscopic Corp., 40-45; gen. mgr., Swift Bus. Mach. Co., 46-49; pres. M. E. Ballou Corp., 49-53; fel. Am. Inst. Econ. Res., 53-54; res. asst., 54-63; pres. Am. Inst. Counselors, Inc., 63-68; DIR. AM. INST. ECON. RES. 68- Economics, especially business cycles and money-credit developments; fostering application of the scientific method of inquiry in study of economic problems. Publ: How to invest wisely, 67 & co-author, Investment trusts and funds from the investor's point of view, annually, Am. Inst. Econ. Res. Address: American Institute for Economic Research, Great Barrington, Mass. 01230.

DOBBS, DR. ALLEN R(AY), b. Denver, Colo., Mar. 28, 41; m. 67. PSYCHOLOGY. B.Sc., Washington State, 63; M.Sc., Ph.D.(psychol.), Iowa, 68. ASST. PROF. PSYCHOL., ALBERTA, 68-. Psychology, Assn. Psychology of learning, especially stimulus coding and mediational processes. Address: Dept. of Psychology, University of Alberta, Edmonton, Alta., Can.

DOBBS, DR. DARREL D., b. Flint, Mich., Oct. 10, 39; m. 65; c. 2. CLINICAL & COUNSELING PSYCHOLOGY. A.B., Michigan, 63; M.S., Kentucky, 64. Ph.D.(clin. psychol.), 66. Staff psychologist, Child Guid. Clin., Lexington, Ky., 63-66; ASST. PROF. PSYCHOL., Eastern Kentucky, 66-67; BALL STATE, 67-. Instr. Univ. Kentucky, 65-66; staff psychologist, Child Guid. Clin., Muncie, Ind., 67-69. Consult., Dayton Muncie Mfg. Co., 67-. U.S.A., 60-66, 70, Sgt. Psychol. Assn. fel. Assn. Suicideology. Psychotherapy: psychopathology: projective techniques. Publ: Co-author, An experimental manipulation of Rorschach form. J. Consulting Psychol. 67. Address: Dept. of Psychology, Ball State University, Muncie, Ind. 47306.

DOBBINS, DR. DELANEY (ANDREW). Personnel & Industrial Psychology. See A-K Vol. 11th ed. Soc. & Behav. Vols. Change of address: 3320 Webley Court, Annandale, Va. 22003.

DOBSON, DR. JAMES C. JR., b. Shreveport, La., Apr. 21, 36; m. 60; c. 1. EDUCATIONAL PSYCHOLOGY, RESEARCH METHODOLOGY. B.A., Pasadena Col., 58; M.S., Southern California, 62, Ph.D.(ed. psychol.), 67; California, Berkeley, 62, Los Angeles, 64. Sch. psychologist, pub. schs., Calif., 64-66; DIR. PKU COLLAB. STUDY, CHILDRENS HOSP., LOS ANGELES, 66-. DIR. BEHAV. RES. DIV. CHILD DEVELOP., 68. Lectr., Pasadena Col., & Southern California, 64-68; asst. dir. ed. Am. Inst. Family Reis. 67-. res. assoc., Southern California, 68-. asst. prof. pediat., 69-. Psychol. consult., Fed. Narcotics Symp. Los Angeles, Calif., 67-68. U.S.A., 58-59. Assn. Ment. Deficiency: Nat. Coun. Measurement in Ed. Intellectual aspects of phenylketonuria. Publ: Dare to discipline, Tyndale, 70; co-author, The mentally retarded child and his family—a multidisciplinary handbook, Brunner-Mazel, 70; Co-developer and dietary therapy in phenylketonuric children, New Eng. J. Med., 5 67. Address: Division of Child Development, Childrens Hospital of Los Angeles, 4650 Sunset Blvd, Los Angeles, Calif. 90027.

DOCKRELL, PROF. WILLIAM BRYAN. Educational Psychology. See A-K Vol. 11th ed. Soc. & Behav. Vols. New position: Chgo. Dep. spec. ed. Ont. Inst. for Studies Ed. Address: 325 Heath St. E., Toronto 7, Ont., Can.

DOCKSON, DR. ROBERT R(AY). Business Economics, International Relations. See A-K Vol. 11th ed. Soc. & Behav. Vols. New position & address: Dir. & v.chmn. bd., 69-. California Federal Savings & Loan Association, 5670 Wilshire Blvd., Los Angeles, Calif. 90036.

DODD, PROF. J(AMES) (HARVEY). Economics, Business Administration. See 11th ed. Soc. & Behav. Vols., deceased 69.

DODD, DR. JOSEPH WILLIAM. Political Science. See A-K Vol. 11th ed. Soc. & Behav. Vols. New position: Assoc. prof., polit. sci., Tennessee, 66-. Address: 7203 Middlebrook Pike, Knoxville, Tenn. 37921.

DODD, PROF. PAUL A(LBERT). Economics. See A-K Vol. 11th ed. Soc. & Behav. Vols. New information: Emer. prof. & emer. dean, California, Los Angeles, 70-. Address: 1380 Running Springs Rd, Number 2, Walnut Creek, Calif. 94595.

DODDER, DR. RICHARD A., b. Overbrook, Kans., July 22, 41; m. 64; c. 1. SOCIOLOGY. B.S., Kansas, 66, Nat. Defense Ed. Act, fel., 66-69, M.A., 67, Ph.D.(sociol.), 69. Teacher, pub. schs., Conn., 64-65; instr. SOCIOL. KANSAS, 67-68; Nat. Sci. Found. Summer Inst., 68 & 69; ASST. PROF. OKLA. STATE, 69-. RES. FOUND. RES. GRANT, 69-. Socio. Assn. Empirical classification of juvenile delinquency as a foundation for constructing theory and developing treatment methods: nature of identification with educational experience as a predictor of its impact. Publ: A factor analysis of Dean's alienation scale, Soc. Forces, 69; co-author, Social class and sexual permissiveness: a subsequent test, J. Marriage & Family, 69. Address: Dept. of Sociology, Oklahoma State University, Stillwater, Okla. 74074.

DODWELL, PROF. PETER CARPENTER. Experimental Psychology. See A-K Vol. 11th ed. Soc. & Behav. Vols. Change of address: Dept. of Psychology, Harvard University, William James Hall, Cambridge, Mass. 02138.

DOERR, DR. HANS O., b. Heilbronn, Germany, Oct. 2, 32; U.S. citizen; m. c. 1. PSYCHOPHYSIOLOGY. B.A., Fla. State, 61; M.S., 62, U.S. Pub. Health Serv. fel., 63-65, Ph.D.(psychol.), 65. Vis. prof., psychol., N.C., 65-67.

ASST. PROF. PSYCHOL. & PSYCHIAT., WASHINGTON (SEATTLE), 67-. Fel. Res. Training Prog. in Sci. related to nervous syst., 65-67. Consult., N.C. Cerebral Palsy Clinic, & community ment. health consult., Burlington, N.C., 65-67; consult., N.C. Voc. Rehab. Serv., 66-67; Vet. Admin. Hosp., 67-. U.S.A.F., 54-60, 8/Sgt. Psychol. Assn. Soc. Psychophysiol. Res. Interaction of behavior and central nervous system-autonomic nervous system variables; direct conditioning of autonomic nervous system-central nervous system parameters. Publ: A relationship between heart rate and performance in children, J. Personality & Soc. Psychol., 45. Relations among food deprivation, performance and heart rate in the rat, J. Comp. & Physiol. Psychol., 67; The role of awareness in generalization through symbolic behavior, Psychophysiol., 68. Address: Dept. of Psychiatry, University of Washington, Seattle, Wash. 98105.

DOHERTY, SISTER MARY AUSTIN, b. Chicago, Ill., Aug. 10, 27. PSYCHOLOGY. A.B., Alverno Col., 54; M.A., Marquette, 60; M.A., Loyola, 65, Ph.D. (psychol.), 68. Instr. hist., ALVERNO COL., 61-63; asst. prof. PSYCHOL., 67-69. ASSOC. PROF. 69-. Psychol. Assn. Psychology of personality: relationship of personality variables to cognitive activity; psychology of sex differences. Publ: Co-author, The relationship of personality characteristics, awareness and attitude in a verbal conditioning situation, J. Personality, 12 66. Discussion vs. memory in cooperative group concept attainment, J. Ed. Psychol., 4 67 & Intentional and incidental concept formation as a function of motivation, creativity, intelligence, and sex, J. Personality & Soc. Psychol., 4 68. Address: 3401 S. 39th St., Milwaukee, Wis. 53215.

DOLHNOW, DR. PHYLLIS JAY, b. Elgin, Ill., Nov. 6, 33; m. 68; c. 1. ANTHROPOLOGY, PRIMATOLOGY. A.B., Beloit Col., 55; A.M., Chicago, 60, Ph.D. (anthrop.), 63. Lectr. anthrop., California, Berkeley, 61-62; fel. behav. sci., Center Adv. Study Behav. Sci., 62-63; asst. prof. anthrop., Columbia, 63-64; California, Davis, 64-66; asst. res. anthropologist, Nat. Center Primate Biol., 64-66; asst. prof. ANTHROP., CALIFORNIA, BERKELEY, 66-69. ASSOC. PROF., 69-. Wenner-Gren Found. Anthropol. Res. grant for primatol. in Africa, 66; co-recipient, Nat. Sci. Found. grant for primate behavior, unit, 67-. Fel. AAAS: Assn. Phys. Anthropol.; fel. Anthropol. Assn.; Ecol. Sci.; Animal Behavior. Soc.; Inst. Biol. Sci.; Inst. Primatol. Assn.; Human Ecol. Soc.; Wildlife Preservation Soc. India. Primate social behavior and ecology of monkeys and apes in Asia and Africa; human evolution and behavior. Publ: Ed. Primates: studies in adaptation and variability, 68, co-ed.; Perspectives in human evolution, 68 & auth. Primate field studies and human evolution, In: Primates: studies in adaptation and variability, 68, Holt. Address: Dept. of Anthropology, University of California, Berkeley, Calif. 94720.

DOLICH, DR. IRA J., b. Yorktown, Tex., Dec. 14, 34; m. 65; c. 1. BUSINESS ADMINISTRATION; MARKETING. B.S.M.E., Texas, Austin, 57; M.B.A., 64, Am. Mkt. Assn. fel., 66, Ph.D.(mkt), 67. Chief, exp. Struct. Metals Inc., 57-58; maintenance eng., Reynolds Metals Co., 60-62; teaching assoc. MKT., Texas, Austin, 64-67; ASST. PROF., PA. STATE, 67-. U.S.A.F., 58-60, Capt. Mkt. Assn. Statist. Assn. Consumer behavior: market research; logistics. Publ: A study of congruence relationships between self images and brand of products, J. Mkt. Res., 68. Address: 120 Boucke Bldg., Pennsylvania State University, University Park, Pa. 16802.

DOLL, DR. EDGAR A(RNOLD). Psychology. See 11th ed. Soc. & Behav. Vols., deceased 68.

DOLL, LT. COMDR. RICHARD E(EUGENE), U.S.N., b. Trenton, N.J., Nov. 15, 34; m. 60; c. 2. PSYCHOLOGY. B.A., St. Vincent Col., 57; M.A., American Univ., 62; Ph.D.(psychol.), Utah, 69. U.S.A.F., 59-60, PSYCHOLOGIST, Naval Sch. Aviation Med., 60-63, NAVY EXP. Diving Unit, 63-65, NAVY MED. NEUROPSYCHIAT. RES. UNIT, 67-. Psychol. Assn. Selection and prediction: criterion development: creativity in industry: creative teaching: teaching. Publ: Improving the predictive effectiveness of peer ratings, Personnel Psychol., 63. Relative predictability of occupational groups and performance criteria in an extreme environment, J. Clin. Psychol., 69. Occupational group as a moderator of the job satisfaction—job performance relationship, J. Appl. Psychol., 69. Address: U.S. Navy Medical Neuropsychiatric Research Unit, San Diego, Calif. 92152.

DOLL, DR. THEODORE J., b. Cleveland, Ohio, Oct. 5, 42; m. 64; c. 1. PSYCHOLOGY. B.S., Purdue, 64. Case Inst. Tech., 64-65; M.A., Kent State, 67, Nat. Inst. Ment. Health fel., 67-68, Ph.D.(exp. psychol.), 68. Nat. Inst. Ment. Health fel. PSYCHOL. ment. health res. inst., Michigan, 68-69; ASST. PROF., STATE UNIV. N.Y., STONY BROOK, 69-. Lectr., Oberlin Col., 68. Psychol. Assn. Human information processing: short-term memory: reaction time: selective attention. Publ: Co-author, Effects of discrimination training on stimulus generalization for human subjects, 67 & auth. Short-term retention: preparatory set as covert rehearsal, 69, J. Exp. Psychol., Address: Dept. of Psychology, State University of New York at Stony Brook, Stony Brook, N.Y. 11790.

DOLSON, DR. MIRIAM TERRY, b. Brooklyn, Pa., Nov. 15, 14; m. 58. SOCIOLOGY, HEALTH EDUCATION. B.S., Pa. State Teachers Col., 35; M.S., Cornell, 50, Ph.D.(rural sociol.), 56. Southern Methodist, 59-60. Music supervisor, Thorsen High Sch., 45-46, Port Allegany High Sch., 46-49; psychometrical, Cornell, 49-54, res. assoc. rural sociol., 54-55, teaching asst., 55-56, asst. prof., 56-58; teacher, Dallas Pub. Sch., Tex., 58-62; instr. rural sociol., Cornell, 62, res. assoc., grad. sch. bus. & pub. admin., 62-65, res. assoc. & asst. prof. health studies teaching & dir. inst. for nursing home administ., 65-69. ASSOC. PROF. HEALTH & COORDINATOR SURVEYORS TRAINING; TULANE, 70-. Lectr., Elmira Col., 63-65; consult., Vet. Admin. for Develop. Training Progs. for Nursing Home Administ., 67-68; mem. task force on long term care, Assn. Univ. Progs. in Hosp. Admin., 68-. Sociol. Soc.; Pub. Health Assn.; Home Econ. Assn. Studies of hospital and nursing home administrators, especially their backgrounds of training and experience, professional activities and attitudes and role in their institutions and communities; evaluation of training programs. Publ: Where women stand in administration, 5 67 & M.D. administrators are older, earn more money, run bigger hospitals: survey, 2/69, Mod. Hosp.; Progress report on Cornell pilot study of nursing home administrators, Mod. Nursing Home Administ., 12/69. Ad-

dress: Dept. of Health Services Administration, School of Public Health & Tropical Medicine, Tulane University, 1430 Tulane Ave, New Orleans, La. 70112.

DOMHOFF, DR. (GEORGE) WILLIAM. b. Youngstown, Ohio, Aug. 6, 36; m. 61; c. 4. **PSYCHOLOGY.** B.A. Duke, 58; M.A. Kent State, 59; Ph.D. (psychol.), Miami, 62. Asst. prof. PSYCHOL. Calif. State Coll. Los Angeles, 62-65; CALIFORNIA, SANTA CRUZ, 65-68; ASSOC. PROF. 69. Fel. Psychol. Asn. Dreams; applied psychoanalysis; American power structure. Publ: Who rules America, Prentice-Hall, 67; The higher circles, Random, 70; Historical materialism, cultural determinism and the origin of the ruling classes, Psychoanal. Rev. Vol. 56, No. 2. Address: Dept. of Psychology, Cowl College, University of California, Santa Cruz, Calif. 95060.

DOMINO, DR. GEORGE. Psychology. See A-K Vol. 11th ed, Soc. & Behav. Vols. New information: Also dir. counseling center, 69-. Fordham University, Bronx, N.Y. 10458.

DONALD, DR. JANET GAIL. b. Windsor, Ont. Mar. 22, 40; m. 63; c. 1. **PSYCHOLOGY.** B.A. Western Ontario, 62, Can. Coun. fel. & M.A., 63; Bd. Gov. scholars, Toronto, 64-67, Ph.D. (ed. theory), 68. Psychologist, Ont. Hosp., Toronto, 62; res. asst., Toronto Bd. Ed., 63-64; comput. appln., Ont. Inst. Studies in Ed., 65-67; consult., Protestant Sch. Bd. Greater Toronto, 68-69; ASST. PROF. PSYCHOL., VANIER COL., 70-. R.C.A.F. 58-62, Flying Officer. Can. Psychol. Asn. Higher mental learning; human-verbal learning processes; individual instruction; developmental learning; instructional techniques. Publ: Effects of certain and probable information on concept formation, Can. Psychol. Asn., 63; Sex differences and their effect on education, Res. Dept., Toronto Bd. Ed., 64; co-auth., The systems approach to education, Ont. J. Ed. Res., 66. Address: Dept. of Psychology, Vanier College, 845 St. Croix Blvd., Montreal 379, Que., Can.

DONALDSON, DR. ROBERT HERSCHEL. b. Houston, Tex., June 14, 43; m. 64. **POLITICAL SCIENCE.** B.A. Harvard, 64, M.A., 66, fel. 66-68, Ph.D. (polit. sci.), 69. ASST. PROF. POLIT. SCI., VANDERBILT, 68-. Polit. Sci. Asn. Soviet domestic and foreign politics; political development; international law and organization; history of political theory. Address: 1816 Cedar Lane, Nashville, Tenn. 37212.

DONDERO, BRO. JOHN P. F.S.C. b. Philadelphia, Pa. Jan. 25, 22. **PSYCHOLOGY.** A.B. La Salle Col., 45; M.Litt., Pittsburgh, 50; M.A., Catholic Univ., 55, Ph.D. (psychol.), 59. Teacher, parochial high sch., Pa. 45-52; PROF. PSYCHOL., LA SALLE COL., 59-. Psychol. Asn. Statistics; experimental and counseling psychology. Publ: No borrowed light—mental health for religious, Bruce, 65. Address: Dept. of Psychology, La Salle College, Philadelphia, Pa. 19141.

DONDIS, DR. ERNEST H. b. Rockland, Maine, June 10, 24. **PSYCHOLOGY, CLINICAL PSYCHOLOGY.** B.A. Calif. State Col. Long Beach, 51, M.A., 52; U.S. Pub. Health Serv. fel., California, Berkeley, 57-58, Ph.D. (psychol.), 61. Asst. field work superv., California, Berkeley, 58-59; res. specialist, Calif. Dept. Ment. Hyg., Sacramento, 59-60; res. psychologist, 60-66; asst. prof. PSYCHOL., CALIF. STATE COL. FULLERTON, 66-68; ASSOC. PROF., 68-. U.S.M.C.R., 42-46, Sgt. Psychol. Asn. Clinical research; evaluation of various treatment programs; study of recidivism among treated sex offenders; administration of the research program in the California Department of Mental Hygiene. Publ: Co-auth., Treatment and research at a day treatment center, Diseases Nervous Syst., 24; 360-364, Outpatient screening of hospital candidates, Ment. Hyg., 49; 364-370 and Recidivism among treated sex offenders, California Mental Health Research Monograph, Calif. Dept. Ment. Hyg., 65. Address: 428 Cabrillo Terr., Corona del Mar, Calif. 92625.

DONHEISER, DR. ALAN (DAVID). Economics, Public Administration. See A-K Vol. 11th ed, Soc. & Behav. Vols. New position: Chief economist, Regional Plan Assn., Inc., 69-. Address: 305 E. 86th St., New York, N.Y. 10028.

DONNAN, DR. HUGH (HAWKINS). b. Greenville, S.C., Dec. 28, 33; m. 65. **EDUCATION, PSYCHOLOGY.** B.A. Furman, 56, M.Ed., 59; Ph.D. (guid.), North Carolina, 66. Instr. psychol., N. Greenville Jr. Col., 56-60; counsr., North Carolina, 63-65; asst. prof. COUNSELING, AUBURN, 65-70; ASSOC. PROF., 70-. Psychol. consult., Vet. Admin. Hosp., 66. Psychol. Asn., Personnel & Guid. Asn. Counseling theory and practice. Publ: Personality factors related to college achievement and attrition, J. Col. Student Personnel, 3/68; co-auth., Comparison of personality factors among counselors and administrators, Personnel & Guid., 1/168 & Counselor personality and level of functioning as perceived by counselees, J. Counseling Psychol., 12/69. Address: Dept. Counselor Education, Auburn University, Auburn, Ala. 36830.

DONNELLY, DR. JOHN T. b. Cedar Rapids, Iowa, Dec. 6, 40; m. 63; c. 1. **ECONOMICS.** B.A. Lawrence, 63; Nat. Defense Ed. Act fel., Vanderbilt, 66-69; Ford Found. grant, 67-68; Ph.D. (econ.), 70. ASST. PROF. ECON., WASHINGTON STATE, 68. Nat. Sci. Found. res. grant, summer 69. Econ. Asn.; Union Radical Polit. Econ. Economic theory, trade and development and comparative economic systems, especially in Latin America. Address: Dept. of Economics, Washington State University, Pullman, Wash. 99163.

DONNELLY, PROF. LAWRENCE IGNATIUS. b. Cincinnati, Ohio, Aug. 19, 30; m. 58; c. 2. **ECONOMICS.** A.B. Loyola (Ill.), 53; M.B.A., Xavier, (Ohio), 57; fel. & Ph.D. (econ.), Cincinnati, 64. From instr. to assoc. prof. ECON., XAVIER (OHIO), 56-67; PROF. & CHMN. DEPT., 67-. Mem. roster arbitrators, Fed. Mediation & Conciliation Serv., 68-. Econ. Asn.; Indust. Rel. Res. Asn.; Arbitr. Asn. Labor markets, especially wage theory and collective bargaining. Address: Dept. of Economics, Xavier University, Cincinnati, Ohio 45207.

DONNER, DR. LAWRENCE, b. Passaic, N.J., May 3, 41; m. 63; c. 1. **CLINICAL PSYCHOLOGY.** B.A. Rutgers, 62, M.S., 65; Ph.D. (clin. psychol.), 67; fel. N.J. Neuro. Psychiat. Asst. PROF. CLIN. PSYCHOL., SCH. MED., MARYLAND & CHIEF PSYCHOLOGIST, ADULT OUTPATIENT DEPT., PSYCHIAT. INST., 67-. Consult. dept. neurol. & psychiat., U.S. Pub. Health Serv. Hosp., Baltimore, Md. & Supreme Bench of Baltimore City, 68-, dis-

ability determination prog., Div. Voc. Rehab., 69-. Psychol. Asn.; Asn. Adv. Behav. Ther. Process and outcome of behavior therapy. Publ: Co-auth., Choice behavior in a verbal recognition task as a function of induced associative strength, J. Exp. Psychol., 68; Covert sensitization with alcoholics: a controlled replication, 68 & auth., Automated group desensitization for test anxiety, 69, J. Behav. Res. & Ther. Address: Division of Clinical Psychology, Psychiatric Institute, University of Maryland, Baltimore, Md. 21201.

DONNEUR, PROF. ANDRE P. b. Geneva, Switz., Nov. 24, 38; m. 62; c. 2. **POLITICAL SCIENCE.** B.A. Geneva, 63, Ph.D. (polit. sci.), 67. Tutor POLIT. SCI. Grad. Inst. Int. Studies, Geneva, 63-66; asst. prof., Laurentian Univ., 66-69; PROF., QUEBEC, MONTREAL, 69-. Swiss Army, 58. Am. Polit. Sci. Asn.; Can. Polit. Sci. Asn.; Can. Polit. Sci. Soc.; Can. Inst. Int. Affairs; French-Can. Acad. Pol. Sci.; Swiss Polit. Sci. Asn. Labour movement; Swiss and Canadian federalism; empirical political theory; theory and sociology of international relations. Publ: Histoire de l'Union des Partis socialistes, Laurentian Univ. & Univ. Geneva, 67; co-auth., Fédéralisme et états multinationaux, Québec Univ., 70; Contestation et révolution, Laurentian Univ. Rev., 69. Address: Dept. of Political Science, University of Quebec, B.P. 3050, succ. b., Montreal 110, Que., Can.

DONOGHUE, PROF. JOHN D(AVID). Anthropology. See A-K Vol. 11th ed, Soc. & Behav. Vols. Change of address: 704 Sunset Lane, East Lansing, Mich. 48823.

DONOVAN, SISTER M. ANNICE. Philosophy, Psychology. See Suppl. I to 5th ed, Dir. Am. Scholars.

DOODY, DR. ALTON F. Business Administration, Marketing. See A-K Vol. 11th ed, Soc. & Behav. Vols. New position: Prof., Dept. of Marketing, Ohio State University College of Commerce, Columbus, Ohio 43210.

DOOLEY, DR. ARCH RICHARD. Business Administration. See A-K Vol. 11th ed, Soc. & Behav. Vols. New position: Jesse Phillips prof. mfg., 69-. Graduate School of Business Administration, Harvard University, Soldiers Field, Boston, Mass. 02163.

DOOLEY, DR. WILLIAM EMIN. Urban Geography. See A-K Vol. 11th ed, Soc. & Behav. Vols. New position & address: Head, 69-. Dept. of Geography, East Texas State University, Commerce, Tex. 75428.

DORAI, DR. GOPAL CHIDAMBARAM. b. India, Jan. 15, 34; m. 63; c. 1. **ECONOMICS.** B.A., Panjab, 59; M.A., Delhi, 61; Ph.D. (econ.), Wayne State, 67. Lectr., ECON., Sri Venkateswara Col., 61-63; asst., Wayne State, 63-67; ASST. PROF., WHEATON COL. (MASS), 67-. Econ. Asn.; Soc. Int. Develop.; Royal Econ. Soc. Economics of the international flow of students. Address: Dept. of Economics, Wheaton College, Norton, Mass. 02766.

DORAN, DR. CHARLES F. b. Mankato, Minn., Jan. 31, 43; m. 67. **POLITICAL SCIENCE, HISTORY.** B.A. Harvard, 64; univ. fels. & M.A., Hopkins, 66, Woodrow Wilson fels. & Ph.D. (polit. sci.), 69; univ. grant, Texas A&M, 68-69. ASST. PROF. POLIT. SCI., TEXAS A&M, 68-70; RICE, 70-. Polit. Sci. Asn. Time series analysis of conflict and war potential relationships between states; deterrence and nuclear proliferation; linkage politics and great power-small state relations; American foreign policy regions. Publ: The politics of assimilation, Johns Hopkins, 70. Address: Dept. of Political Science, Rice University, Houston, Tex. 77001.

DOREMUS, PROF. WILLIAM L(OHR). Marketing. See A-K Vol. 11th ed, Soc. & Behav. Vols. New information: Also dir. acad. mkt. sci., Roth Sch. Bus. Admin., Long Island, 69-. Address: 153 Lincoln St., Garden City, N.Y. 11530.

DORTON, DR. JOSEPH WHITE. Psychology. See A-K Vol. 11th ed, Soc. & Behav. Vols. Change of address: 5070 Sweetleaf Dr., Dayton, Ohio 45424.

DOST, DR. JEANNE E(BBERT). b. Walla Walla, Wash., Aug. 12, 29; m. 50; c. 2. **ECONOMICS.** B.A., Washington State, 51; A.M., Radcliffe Col., 53, Ph.D. (econ.), 59. Instr. econ. & social, Kansas State, 56-58; Washington State, 60-61; asst. dir. res. coord. unit, OREGON STATE, 64-66; ASST. PROF. ECON., 65-. Manpower res. coordinator, 68. Econ. consult., div. community colls. & voc. ed., State Bd. Ed., 66; sch. home econ. Univ. British Columbia, 69. Am. Econ. Asn.; Regional Sci. Asn.; Royal Econ. Soc. School location; efficiency of resource use in public sector; allocation of resources in secondary education; manpower resource use and development; location of public service production units. Publ: Determination of location of area school, 12/67 & Assessment of the school location problem: a multi-functional role for the school in the urban environment, 12/68, Am. Regional Sci. Address: Dept. of Economics, Oregon State University, Corvallis, Ore. 97331.

DOSTER, PROF. JAMES F(LETCHER). History. See 5th ed, Dir. Am. Scholars, Vol. I, Hist.

DOSTER, DR. JOSEPH A. b. Milton, Del., Oct. 26, 43. **CLINICAL PSYCHOLOGY.** B.A. Emory, 65, M.A., 68, Ph.D. (psychology), 69. ASST. PROF. PSYCHOL., MISSOURI-COLUMBIA, 69-. Individual, interpersonal and structural variables that influence verbal communication in dyadic and group psychotherapy situations. Publ: Co-auth., Perceived caregiving practices and self-disclosure patterns, J. Consult. & Clin. Psychol., 69 & Early impressions and later confirmations of interpersonal judgments, Perceptual & Motor Skills, 69. Address: Dept. of Psychology, 209 McAlester Hall, University of Missouri-Columbia, Columbia, Mo. 65201.

DOTSON, PROF. ELSIE JENOISE. b. Harlan, Ky., Jan. 21, 23. **PSYCHOLOGY.** A.B. Kentucky, 45, M.A., 46, Ph.D. (psychol.), 51. Psychol. counsr., Kentucky, 50-51; counseling psychologist, Texas, 51-58; assoc. prof. PSYCHOL., E. Carolina Col., 58-59; WESTERN KENTUCKY, 59-65; PROF., 66-. Personnel & Guid. Asn.; Psychol. Asn. Counseling and clinical psychology; personality theory. Publ: Emotional problems in reading. In: The reading teacher reader, Ronald, 58; co-auth., Grades, attendance and extraversion, 69 & Religious correlates of death anxiety, 70, Psychol. Reports. Address: Dept. of Psychology, Western Kentucky University, Bowling Green, Ky. 42101.

- DOTY, DR. BARBARA ALLEN.** Psychology. See A-K Vol, 11th ed, Soc. & Behav. Vols. New information: U.S. Off. Ed. fel. ed. res, 69-70. Address: Dept. of Psychology, North Central College, Naperville, Ill. 60540.
- DOTY, PROF. DON D(ARREL).** b. Secor, Ill, Sept. 13, 25; m. 48; c. 1. ECO-NOMICS. B.S. Bradley, 51, M.A., 54; Ph.D.(econ), Arkansas, 63. Asst. mgr, Campbell Grain & Seed Co, Ill, 54-58; instr, Arkansas, 58-60; assoc. prof. econ, Miss. State, 60-65, prof, 65-69, dir, grad. bus. study, 68-69; prof. econ. & dir. master bus. admin. prog, Middle Tenn. State, 69-70; PROF. ECON, MISS. STATE, 70. Econ-in-Action fel, Case Inst. Tech, summer 65. U.S.A.F., 43-45, 51-52, 2nd Lt. Econ. Asn. Recreational benefits as a component of water resources project analysis; regional planning, especially river transportation development; aggregative economics—general income and employment theory, monetary economics. Pubi: Co-auth, Implications for scientific and technical employment in space-related activities in Mississippi, NASA, 63; auth, income changes in Mississippi, Atlanta Econ. Rev, 64; Income distribution in Mississippi, Miss. Econ. Coun, 65. Address: Dept. of Economics, Mississippi State University, State College, Miss. 39762.
- DOTY, DR. ROY (ANDERSON).** Psychology. See A-K Vol, 11th ed, Soc. & Behav. Vols. Change of address: Roy Doty & Associates, 1301 W. 22nd St, Suite 702, Oak Brook, Ill. 60521.
- DOUDNA, DR. MARK E(UGENE).** b. Huntington, Ind, Mar. 6, 20; m. 54; c. 5. SPEECH & HEARING SCIENCE. B.Sc. Ohio State, 48, M.A., 56, Ph.D.(audiol), 62. ASST. PROF. AUDIOL. Univ. Maryland Hosp, 62-64, MARYLAND, 64-. SUPVR. AUDIOL. SERVS, 65-. Consult, Md. State Div. Voc. Rehab, 67-; Sinai Hosp, Baltimore, Md, 68-. U.S.A., 42-46, U.S.A.F., 49-52. AAAS; Acoustical Soc. Am. Speech & Hearing Asn; Alex. Graham Bell. Asn. for Deaf; Acad. Rehab. Audiol. Med. audiol. rehab. audiol. rehab. effects of noise on the ear. Pubi: Co-auth, Structural analysis of word responses made by hard of hearing subjects on a discrimination test, 59 & Word familiarity as a factor in testing discrimination of hard of hearing subjects, 60, Arch. Otolaryngol. Address: Dept. of Speech and Dramatic Art, University of Maryland, College Park, Md. 20742.
- DOUGHERTY, PROF. JOSEPH C. JR.** Political Science, American History. See 5th ed, Dir. Am. Scholars, Vol. 1, Hist.
- DOUGLAS, DR. CHARLES HERBERT.** Research Administration. See Suppl. VI to 11th ed, Phys. & Biol. Vols.
- DOUGLAS, PROF. GEORGE A.** Sociology, Economics. See A-K Vol, 11th ed, Soc. & Behav. Vols. New position & address: Prof. & chmn, 69-, Dept. of Sociology, Stratford College, Danville, Va. 24541.
- DOUGLAS, DR. GEORGE WARREN.** b. Arlington, Tex, Aug. 10, 38; m. 59; c. 2. ECONOMICS. B.A., Yale, 60, M.A., 63, Ph.D.(econ), 67. Lectr. ECON, NORTH CAROLINA, CHAPEL HILL, 65-67, ASST. PROF, 67-. Brookings econ. policy fel. & economist, Brookings Inst. & Dept. Transportation, 68-69. Consult, Off. Secy, Dept. Transportation, 69-. Econ. Asn. Monetary and financial theory; transportation economics, especially economics of air transportation. Pubi: Risk in the equity market: an empirical appraisal of market efficiency, Yale Econ. Essays, 69. Address: Dept. of Economics, University of North Carolina at Chapel Hill, Chapel Hill, N.C. 27514.
- DOUGLAS, DR. JOHN R. JR.** b. Maury Co, Tenn, May 13, 23; m. 59; c. 4. AGRICULTURAL ECONOMICS. A.B. Harvard, 48; Tennessee, 59-60; dipl. U.S. Naval Postgrad. Sch, 66; Ph.D.(agr. econ), Iowa State, 67. Fertilizer Mkt. analyst, TENN. VALLEY AUTHORITY, 48-56, head distribution econ. sect, 56-66, STAFF ECONOMIST, 66-. Consult. economist, Govt. Morocco, summer 63; consult, Govt. Turkey, 65-66; consult. economist, President's Sci. Adv. Cmt. World Food Prob, 66-67; consult, U.S. Agency Int. Develop, S. Vietnam, 67-68, Colombia & Indonesia, 68-69. U.S.A.F., 42-46, 51-54, Res. 54. Chem. Mkt. Res. Asn; Soc. Agron; Int. Soc. Soil Sci. Long-range planning of fertilizer in the U.S. and developing nations, using mathematical simulation models. Pubi: Past, present and future production and use of ammonia, In: Agricultural anhydrous ammonia, Am. Soc. Agron, 65; Distribution and marketing of fertilizers, In: Changing patterns in fertilizer use, Soil Sci. Soc, 68; co-auth, Hazards in market research and intelligence, In: Seminar for fertilizer marketing, Fertilizer Asn. India, 68. Address: Office of Agricultural and Chemical Development, Tennessee Valley Authority, Muscle Shoals, Ala. 35660.
- DOUGLAS, DR. JOSEPH H(ENRY).** Sociology. See A-K Vol, 11th ed, Soc. & Behav. Vols. New position: Chmn. excc. cmt, 1970 White House Conf. Children & Youth, 69-. Address: 3314 16th St. N.E., Washington, D.C. 20018.
- DOUGLASS, DR. WILLIAM A. b. Reno, Nev, Dec. 4, 39; m. 61; c. 2. ANTHROPOLOGY.** A.B. Nevada, 61; California, Berkeley, 62-63; Nat. Inst. Ment. Health fel, Chicago, 64-67, M.A., 66, Ph.D.(anthrop), 67. ASST. PROF. ANTHROP, NEVADA, RENO & COORDINATOR BASQUE STUDIES PROG, DESERT RES. INST, UNIV. NEVADA SYST, 67. Anthropol. Asn. European peasant societies; social and economic change; immigrant studies, particularly Basques of the American West. Pubi: Death in Murelaga: the social structure of a Spanish Basque village, Am. Ethnol. Soc. Monogr, Univ. Washington, 69. Address: Basque Studies Program, Desert Research Institute, University of Nevada System, Reno, Nev. 89507.
- DOUGLASS, WILLIAM BRUCE.** Psychology. See A-K Vol, 11th ed, Soc. & Behav. Vols. Change of address: R.D. 1, Box 290A, Lewisberry, Pa. 17339.
- DOVRING, DR. KAREN ELSA INGEBORG.** b. Stenstorp, Sweden, Dec. 5, 19; U.S. citizen; m. 43. COMMUNICATIONS, INTERNATIONAL JOURNALISM. M.A., Lund, 42, Ph.D.(comp. lit), 51; Fil. lic, Göttingen, 47. Teacher lang. & lit, jr. cols. Sweden, 40-50; journalist, newspapers & mags, Sweden, 46-52; res. assoc. & Prof. D. Lasswell of Yale, U.S. & Europe, 53-60; RES. & WRITING, 60-. Vis. prof. Int. Univ. Soc. Studies, Rome, 58-60; guest lectr, Univs. Wisconsin, Madison, Yale & Illinois, 80-; Göttingen, 62; res. assoc,
- col. commun, Illinois, 68-69. Consult, UN Food & Agr. Orgn, 68-. Swedish Nat. Prize for short stories, 50. Nat. Soc. Study Commun(excc. secy, 68-69); Int. Studies Asn. Propaganda analysis; comparative literature; land reform in political-economic context; theory of mass communication; hymnology as communication; analysis of international ideologies in political news; writing poetry and short stories. Pubi: The songs of Zion, Gleerup, Lund, Sweden, 2 vols, 51 & 52, Dir. of propaganda, Philos. Library, 59; Communication of news in a world of competition, Int. Press Inst. Bull, Zurich, 87. Address: 613 W. Vermont Ave, Urbana, Ill. 61801.
- DOW, PROF. E(DWARD) F(RENCH).** Government. See A-K Vol, 11th ed, Soc. & Behav. Vols. New position: Prof. bus. admin, Huxson Coll, 69-. Address: 30 N. Main St, Orono, Maine 04473.
- DOW, DR. FREDERICK WARREN.** b. Boston, Mass, Aug. 2, 17; m. 43; c. 4. INTERNATIONAL MANAGEMENT, MARKETING. B.S. Boston Coll, 40; M.S. Massachusetts, 42; A.M. Yale, 47, Ph.D.(univ. admin), 55. Gen. sales mgr, Dow Chem. Int, 61-64, mgr. assoc. co, 66-67, managing dir, Dow Chem. France, 64-66; HAYES-HEALY PROF. MKT, NOTRE DAME, 67-. Consult. McKinley Cnn. on Travel Gap, summer 68. U.S.A.A.F., 41-46, Maj. Am. Chem. Soc; Soc. Indust. Chem. Industrial development of less developed countries; tourism development of less developed countries, particularly Latin America; minority capitalism. Address: Graduate Division, College of Business Administration, University of Notre Dame, Notre Dame, Ind. 46556.
- DOWD, PROF. DAVID L(LOYD).** Modern European History. See 5th ed, Dir. Am. Scholars, Vol. 1, Hist.
- DOWD, DR. LAURENCE PHILLIPS.** Business Administration. See A-K Vol, 11th ed, Soc. & Behav. Vols. New position: Vis. prof. mkt. & int. bus, col. bus. admin, Oregon, 69-70. Address: 2580 Highland Oaks Dr, Eugene, Ore. 97405.
- DOWD, SISTER M. AMADEUS.** I.H.M. Psychology. See A-K Vol, 11th ed, Soc. & Behav. Vols. New position: Dean studies, 69-, Immaculate Heart of Mary Community, 610 W. Elm, Monroe, Mich. 48161.
- DOWD, DR. MORGAN D(ANIEL).** Political Science. See A-K Vol, 11th ed, Soc. & Behav. Vols. New information: Also assoc. dean, 69-, Graduate Studies & Research, State University of New York College at Fredonia, 712 Maytum, Fredonia, N.Y. 14063.
- DOWD, PATRICK JOSEPH.** b. New York, N.Y., Apr. 21, 33. PHYSIOLOGICAL PSYCHOLOGY. A.B. Fordham, 56; M.A., Louisville, 59; Nat. Insts. Health grant, Baylor, 63-64; M.S. Trinity (Tex), 64. RES. PSYCHOLOGIST, U.S. AIR FORCE SCH. AEROSPACE MED, BROOKS AIR FORCE BASE, TEX, 60. Instr, San Antonio Col, 61-65; St. Mary's (Tex), 65-. vis. scientist, Tex. Ac. Sci, 66-67. U.S.F. 57-78. AAAS; Aerospace Med Asn; Psychol. Asn; Asn. Aviation Psychol; Royal Soc. Health. Motion sickness and vestibular physiology and neurophysiology; electrophysiologic techniques; psychophysical methods; electronystagmographic techniques; spatial orientation and disorientation. Pubi: Co-auth, Habituation transference in Coriolis acceleration, Aerospace Med, 38: 1103-1107; auth, Effects of congenital feline cerebellar hypoplasia on developmental behavior and the vestibular system, J. Psychol, 62: 89-97; Factors affecting vestibular nystagmus in coriolis stimulation, Acta Oto-Laryngologica, 61: 228-236. Address: 8315 N. Vandiver St, San Antonio, Tex. 78209.
- DOWER, PROF. MARGARET W. b. Wakefield, Mass, Aug. 5, 21. POLITICAL SCIENCE.** B.A., New Hampshire, 43; A.M., Boston, 45, Ph.D.(polit. sci), Teacher, high sch, Mass, 45; Traip Acad, Maine, 46-47; instr. soc. studies, Weylister Jr. Col, Conn, 47-48; teaching fel, dept. polit. sci, Boston, 49-52; from instr. to assoc. prof. SOC. SCI, SALEM STATE COL, 53-60, PROF, 60-. CHMN. DEPT. POLIT. & SOC. SCI, 70- Chmn. Mass. Cmt. Higher Educ, 64-65. Polit. Sci. Asn. Am. Acad. Polit. & Soc. Sci. International relations and law. Pubi: Is democracy obsolete, Salem State Col, 62. Address: 40 Riverside St, Danvers, Mass. 01923.
- DOWNEY, JAMES P.** Marketing, Instrumentation. See A-K Vol, 11th ed, Soc. & Behav. Vols. New position: Bus. consult, CIMA Corp, 69-. Address: 1218 Herbert Rd, Meadowbrook, Pa. 19001.
- DOWNING, DR. BRUCE DEAN.** b. Durango, Colo, Aug. 30, 40; m. 64. EXPERIMENTAL PSYCHOLOGY. B.A., Grinnell Col, 62; M. S., Colorado, 64. NASA fel, 64-67, Ph.D.(psychol), 67. ASST. PROF. PSYCHOL, KENT STATE, 66-Consult, Walter Jurek & Assoc, 69-. Psychol. Asn. Human learning and problem solving; computer applications; concept learning; human motivation. Address: Dept. of Psychology, Kent State University, Kent, Ohio 44240.
- DOWNING, DR. PAUL BUTLER.** b. Milwaukee, Wis, Nov. 26, 38. ECONOMICS. B.S. Wisconsin-Milwaukee, 63, M.S., 66; M.S. Wisconsin, Madison, 67, Ph.D.(econ), 67. ASST. PROF. ECON, CALIFORNIA, RIVERSIDE, 69-. Summer consult, Dept. Commerce, State of Calif, 69. U.S.A., 67-69, Capt. Econ. Asn. Regional and urban economics; public finance; resource economics. Pubi: The economics of urban sewage disposal, Praeger, 69; co-auth, The rational effect of the defense effort on employment, Monthly Labor Rev, 7/68; auth, Estimating residential land value, In: The assessment of land value, Univ. Wisconsin, (in press). Address: Dept. of Economics, University of California, Riverside, Calif. 92502.
- DOWNS, DR. CALVIN W.** Communication, Speech. See 5th ed, Dir. Am. Scholars, Vol. II, Eng, Speech & Drama.
- DOYLE, DR. EDWARD DONALD.** b. Chicago, Ill, Oct. 29, 36. CLINICAL PSYCHOLOGY. B.S. Loyola (Ill), 53, M.A., 65, Ph.D.(psychol), 68. Psychologist, Munic. Psychiat. Inst. & chief psychologist, Mt. Sinai Hosp, 67-68. ASST. PROF. PSYCHOL, ILL. INST. TECH, 68-. DIR. COUNSELING CENTER, 69-. Asst. prof, Chicago Med. Sch, 68-69. Consult, Cath. charities, 67-. Psychol. Asn. Projective techniques; personality assessment; psychometrics. Address: 6040 N. Sheridan Rd, Chicago, Ill. 60628.

- DOYLE, DR. JAMES T. (THOMAS). Modern American History. See 5th ed, Dir. Am. Scholars, Vol. I, Hist.
- DOYLE, MATHIAS FRANCIS, O.F.M., b. Malone, N.Y., Nov. 18, 33. POLITICAL SCIENCE. B.A., Siena Coll. 55; M.A., Catholic Univ., 65; Arthur J. Schmitt fel, Notre Dame, 67-68, Ph.D. (pol. sci.), 68. Instr. soc. sci., St. Francis Coll., 63-65; ASST. PROF. POLIT. SCI., SIENA COLL., 68-1901. Sci. Soc. Political theory: American political thought; realists school of American thought. Address: Dept. of Political Science, Siena College, Loudonville, N.Y. 12211.
- DOZIER, PROF. EDWARD P. Anthropology. See A-K Vol, 11th ed, Soc. & Behav. Vols. New position & address: Chmn., 70-, Dept. of American Indian Studies, University of Minnesota, Minneapolis, Minn. 55455.
- DRAC, DR. JOHN F. (RANCIS). Law. See 5th ed, Dir. Am. Scholars, Vol. IV, Philos., Relig., & Law.
- DRACHKOVITCH, DR. MILORAD M. Political Science. See A-K Vol, 11th ed, Soc. & Behav. Vols. New position: Sr. fel, 69-, Hoover Institution, Stanford University, Stanford, Calif. 94305.
- DRACHMAN, DR. DAVID A. Neurology, Physiological Psychology. See Suppl. V to 11th ed, Phys. & Biol. Vols.
- DRACHMAN, DR. EDWARD RALPH, b. Brooklyn, N.Y., Oct. 25, 40; m. 68. INTERNATIONAL RELATIONS. B.A., Harvard, 61; M.A., 63; M.A., Pennsylvania, 62. Ph.D. (int. rels.), 68. Intel. analyst, U.S. Fed. Govt., 63-64; Instr. GOVT., BOSTON, 66-68, ASST. PROF., 68- Southeast Asia, Soviet, Chinese and American foreign policy. Publ: United States policy toward, Vietnam, 1940-1945, Fairleigh Dickinson Univ., 70 & The U.S. decision to bomb North Vietnam, in: Problems in international relations, Prentice-Hall, 70; The United States and Vietnam in 1945, Boston Univ. Grad. J., Fall 68. Address: Dept. of Political Science, Boston University, 236 Bay State Rd., Boston, Mass. 02215.
- DRAKOSITZ, ANNA. Educational Psychology, Guidance. See A-K Vol, 11th ed, Soc. & Behav. Vols. New position: Exec. Assoc., Ed. Testing Serv., 69- Address: 36 Woodland Rd., Princeton, N.J. 08540.
- DRAKE, PROF. ST. CLAIR. Sociology, Social Anthropology. See A-K Vol, 11th ed, Soc. & Behav. Vols. New position and address: Dir., 69-, African and Afro-American Studies Program, Stanford University, Stanford, Calif. 94305.
- DRANS, PROF. JEAN-YVES. Comparative Linguistics & Literature. See 5th ed, Dir. Am. Scholars, Vol. III, For. Lang., Ling., & Philol.
- DRAPER, THEODORE, b. Brooklyn, N.Y., Sept. 11, 12; div. c. 1. POLITICAL SCIENCE, HISTORY. B.S.S., Brooklyn Coll., 33. FEL, HOOVER INST. WAR, REVOLUTION & PEACE, STANFORD, 64-; MEM. INST. ADV. STUDY, 68- Consult., Twentieth Century Fund, 69- Contemporary American history and foreign policy. Publ: American Communism and Soviet Russia, 60, Abuse of power, 67 & The rediscovery of black nationalism, 70, Viking. Address: 110 Olden Lane, Princeton, N.J. 08540.
- DRAUGHON, DR. RALPH B. (BROWN). Government. See 11th ed, Soc. & Behav. Vols., deceased 68.
- DRAYTON, DR. LESLIE E. (EDWARD). Agricultural Economics. See A-K Vol, 11th ed, Soc. & Behav. Vols. New position: Economist, Prices & Incomes Cmn. Govt. Can., 70. Address: Box 95, R.R. 4, Ottawa, Ont. Can.
- DREKURS, DR. ERIC. Clinical Psychology. See A-K Vol, 11th ed, Soc. & Behav. Vols. Change of address: 6320 Van Nuys Blvd., Van Nuys, Calif. 91401.
- DREWES, DR. DONALD WILLIAM. Psychology, Operations Research. See A-K Vol, 11th ed, Soc. & Behav. Vols. New position: Prof., 69-, Dept. of Psychology, North Carolina State University, Raleigh, N.C. 27607.
- DRICKEY, DEAN JAMES MYRLE. Psychology. See A-K Vol, 11th ed, Soc. & Behav. Vols. New information: Also dean, 69-, Graduate Studies, South-east Missouri State College, Cape Girardeau, Mo. 63701.
- DRIGGS, DR. DON F. (EHRING). Psychology. See A-K Vol, 11th ed, Soc. & Behav. Vols. New information: Dir., human develop. clin., 69-, Rehabilitative Science Center, Florida State University, Tallahassee, Fla. 32306.
- DRISCOLL, DR. JAMES LAWRENCE, b. Billings, Mont. Feb. 24, 41; m. 67; c. 1. AGRICULTURAL ECONOMICS. B.S., Mont. State Coll., 64; Nat. Defense Ed. Act fel., Okla. State, 65-68, M.S., 66, Ph.D. (agr. econ), 69. Res. asst. AGR. ECON., Okla. State, 64-65, 67-68; ASST. PROF., MISSION IN COLOMBIA, UNIV. NEBRASKA, 68- U.S.M.C.R., 58-64. Econ. Asn.; Economist Soc.; Agr. Econ. Asn. Marketing of agricultural products, especially grains; agricultural development, especially consumer preferences, grading and standards. Publ: Co-auth., Structural changes in the grain marketing industries of Oklahoma and Texas, 1959-1964, Okla. Agr. Exp. Sta., 66 & Considerations of marketing cattle in Colombia, Agricultura Tropical, Bogotá, Colombia, 11/69. Address: UNEBRASKA, Apartado Aereo 12031, Bogotá, Colombia, S.A.M.
- DRONAMRAJU, DR. KRISHNA RAO. Evolutionary Theory & Genetics. See Suppl. VI to 11th ed, Phys. & Biol. Vols.
- DRURY, PROF. DORIS M., b. Louisville, Ky., Nov. 18, 26. ECONOMICS. B.S., Louisville, 55; M.A., B.A. Elec. Found. Chicago, 63. Instr. econ., Louisville, 55-58; teaching assoc., Indiana, 59-60, instr. exten., 61-62; regional dir., State Bd. Tax Cmn. Ind., summer 60, from instr. to asst. prof. ECON., Wyoming, 62-63; asst. prof. & coordinator, La. State, 63-65; PROF., DENVER, 65-, DR. DIV. RES., 68- Vis. prof., Colorado State, 66-67; Univ. Denver Div. Res. grant, 67- Mem. Assoc. Univ. Bur. Bus. & Econ. Res. Econ. Asn.; Indust. Rels. Res. Asn. Publ: Co-auth., The construction industry in Colorado, Univ. Denver, 69; auth., Accident records in coal mines in the U.S., Indiana Univ.; A management guide to labor law, Von Nostrand Reinhold (in press). Address: College of Business Administration, University of Denver, 2020 S. Race St., Denver, Colo. 80210.
- DUA, DR. PREM S. Psychology, Sociology. See FRY, DR. PREM S., this Suppl.
- DUBEY, PROF. AKHILESH. Economics, Marketing. See A-K Vol, 11th ed, Soc. & Behav. Vols. Change of address: 123 S. 40th St., Philadelphia, Pa. 19104.
- DUBIN, PROF. ROBERT. Sociology. See A-K Vol, 11th ed, Soc. & Behav. Vols. New position & address: Prof. social, sch. soc. sci. & prof. admin. grad. sch. admin., California, Irvine, 69- Address: School of Social Sciences, University of California, Irvine, Calif. 92664.
- DUBNO, DR. PETER. Psychology. See A-K Vol, 11th ed, Soc. & Behav. Vols. New position: Prof. mgt., N.Y. Univ., 69- Address: 85-11 Kent St., Jamaica, N.Y. 11432.
- DU BOFF, DR. RICHARD B. Economic History, Economics. See 5th ed, Dir. Am. Scholars, Vol. I, Hist.
- DUCE, DEAN LEONARD (ARTHUR). Philosophy, Administration. See 5th ed, Dir. Am. Scholars, Vol. IV, Philos., Relig., & Law.
- DUCEY, DR. PAUL RICHARD. Anthropology. See A-K Vol, 11th ed, Soc. & Behav. Vols. New position & address: Assoc. prof., 69-, Dept. of Sociology, Youngstown State University, Youngstown, Ohio 44503.
- DUCOFF, DR. LOUIS J. (JOSEPH). Economics. See A-K Vol, 11th ed, Soc. & Behav. Vols. New position: Consult. pop. div., UN, 69- Address: 7667 Maple Ave., Apt. 504, Takoma Park, Md. 20012.
- DUDA, DR. P. DANIEL, b. Springfield, Man., July 15, 38; m. 63; c. 1. PSYCHOL. OCL. B.A., Manitoba, 63; M.A., 65; Ph.D. (psychol.), Waterloo, 68. ASST. PROF. PSYCHOL., GUELPH, 67- Sensory processes; perception; quantitative judgmental behavior using sensory psychophysical scaling techniques in adults and children. Address: Dept. of Psychology, University of Guelph, Guelph, Ont. Can.
- DUDEK, DR. STEPHANIE Z. Clinical Psychology. See A-K Vol, 11th ed, Soc. & Behav. Vols. New position: Assoc. prof., Montreal, 70- Address: 3476 Vendome Ave., Montreal 28, Que. Can.
- DUDEWICZ, DR. EDWARD J. (JOHN). Statistics. See 12th ed, Phys. & Biol. Vols.
- DUDLEY, DR. DEAN A. (ARTHUR), b. Port Arthur, Tex., Aug. 30, 35; m. 55. ECONOMICS, FINANCE. B.S., Kent State, 57, M.B.A., 59; Stonier fel., Washington, Seattle, 64, D.B.A., 65. Asst. prof. finance, Ohio, 65-67; ASSOC. PROF., Chico State, 67-68; ECON. & FINANCE, I.A. STATE, NEW ORLEANS, 68- Fel., Cent. Banking Seminar, Fed. Reserve Bank, San Francisco, spring 68; Am. Bankers Assn. Ayres fel. grad. sch. banking, Rutgers, summer 68; faculty fel. Southwest. Life Ins. Co. & Am. Risk & Ins. Assn., summer 69. U.S.A.R., 57-, Capt. Econ. Asn.; Finance Asn. Structural problems of U.S. commercial banking; impact of monetary policy on financial institutions. Publ: Co-auth., Personnel reference checking by banks: practices and face validity, Bus. Rev. Univ. Washington, 4-6/64; auth., On the responsibility of the professor to publish, Collegiate News & Views, 3/69 & The goodwill account: accounting recognition of the concept of economic rent, Bus. Rev. Marquette Univ., summer 69. Address: Dept. of Economics and Finance, Louisiana State University in New Orleans, Lake Front, New Orleans, La. 70122.
- DUE, DR. JEAN MARGARET, b. Peterborough, Ont., Sept. 19, 21; m. 50; c. 2. AGRICULTURAL ECONOMICS, ECONOMIC DEVELOPMENT. B.Com., Toronto, 46; M.Sc., Illinois, 50, Ph.D. (econ), 53. Economist, Dom. Dept. Agr. Ottawa, Ont., 46-49; part-time res. assoc. consumer econ. dept. home econ., ILLINOIS, URBANA, 59-61. VES. PROF. AGR. ECON., 65- Res. assoc., Shoup Tax Cmn. to Venezuela, 58; res. grant agr. develop. proj., in Africa, Midwest Univ. Consortium & Center Int. Comp. Studies, Illinois, 68. Consult., Royal Cmn. Can. Econ. Prospects, 56. Econ. Asn.; African Studies Asn. Economic development, especially in Africa. Publ: Changes in consumer goods imports in Sierra Leone—1950-1965, Univ. Illinois Exp. Sta., 67; Agricultural development in Ghana and the Ivory Coast in the 1960s, J. Mod. African Studies, 69; They said it couldn't be done, Can. J. African Studies, (in press). Address: Dept. of Agricultural Economics, University of Illinois, Urbana, Ill. 61801.
- DUEKER, DR. KENNETH J. Civil Engineering. See Suppl. V to 11th ed, Phys. & Biol. Vols.
- DUEL, DR. HENRY JAMES, b. Sauk Center, Minn., June 12, 17; m. 43; c. 3. COUNSELING & GUIDANCE, EDUCATIONAL ADMINISTRATION. B.S. Ed., Winona State Coll., 41; M.S. Washington (St. Louis), 51; Ed. D., 66. Coordinator proficiency measurement, Training Wing, Scott Air Force Base, Ill., U.S. AIR FORCE, 46-47, sr. instr. electronics, 47-48, prin. instr. teacher training, 48-50, chief instr. methods, training anal. & develop., 50-57, training specialist mgt. develop. Hq. D.C., 57-59, chief personnel measurement & training, Hq. Europe, 59-62, CHIEF OF PERSONNEL RES. Hq. D.C., 62- Dir. prof. studies & ad. prof., Southeastern, 66. U.S.N., 42-45. Personnel & Guid. Asn.; Nat. Voc. Guid. Asn. Methods of teaching technical subjects such as electronics; self-evaluation; selection test development; attitude research. Publ: Auth., Human relations for middle managers, Dept. Air Force, D.C., 62; Determining training needs and writing objectives, In: Employee training in the public service, Pub. Personnel Asn., 70. Address: Dept. of Management, Southeastern University, Washington, D.C. 20006.

- DUERFELDT, DR. PRYSE HENRY. Psychology. See A-K Vol, 11th ed, Soc. & Behav. Vols. New position: Assoc. prof. & head, 69-, Dept. of Psychology, University of Portland, Portland, Ore. 97203.
- DUESENBERY, PROF. JAMES STEMBLE, b. July 18, 18; U.S. citizen. ECONOMICS. B.A. Michigan, 39, univ. fel, 39-41, Social Sci. Res. Coun. fel. & A.M. 41, Ph.D. 48. Instr. Mass. Inst. Tech. 46; teaching fel, Harvard, 46-48, asst. prof. 48-53, assoc. prof. 53; Fulbright fel, Cambridge, 54-55; PROF. ECON. HARVARD, 57- Ford res. prof. 58-59. Mem. President's Coun. Econ. Adv. 66-68; chmn. bd. dirs. Fed. Reserve Bank Boston, 70- U.S.A.A.F. 42-45. Publ: Business cycles and economic growth, McGraw, 57; co-auth. Cases and problems in economics, 60 & auth. Money and credit: impact and control, 64, Prentice-Hall. Address: Dept. of Economics, Harvard University, Cambridge, Mass. 02138.
- DUEWER, DR. LAWRENCE A. Agricultural Economics. See A-K Vol, 11th ed, Soc. & Behav. Vols. New position: Agr. economist, U.S. Dept. Agr. at Purdue Univ, 69- Address: 1303 Palmer Dr, Apt. 111, West Lafayette, Ind. 47906.
- DUFF, ORVILLE LEE, b. Middletown, Ohio, May 27, 31; m. 53; c. 2. BEHAVIORAL RESEARCH. A.B. Miami (Ohio), 58, M.A. 59; Buffalo, 60-61; Cornell, 64-65. Sr. psychologist, N.Y. Depts. Ed. & Ment. Hygiene, 59-64; indust. consult, Ind. & Ohio, 64-66; dir. org. planning & develop. Cessna Aircraft Co., Kans. 66-68; as. assoc. Harry J. Wexler & Co., 68. ADMNSTR. PER. SONNEL RES. RCA CORP, 68- Vis. prof. Miami (Ohio), 64-65. U.S.A.F. 50-53. Organizational behavior; motivation. Publ: Co-auth. Biographical factors in academic under and over achievement, J. Ed. Psychol. 60; & Biographische faktoren in inhrer beziehung zu uher unter der erwartung flieBenden hochschulleistungen, Pädag. Psychologie, 67. Address: Corporate Staff, RCA Corp, Camden, N.J. 08102.
- DUFFIELD, DR. LATHEE F(LAY), b. Collinsville, Okla, Dec. 1, 31; m. 56; c. 4. ANTHROPOLOGY, ARCHAEOLOGY. B.A. Oklahoma, 53, M.A. 63; Nat. Sci. Found. fel. & Ph.D. (anthrop.), Wisconsin, 70. Dir. Ark. Mus. Natural Hist. & Antiquities, Little Rock, 53-55; asst. curator, Thomas Gilcrease Inst. Am. Hist. & Art, 55-57; res. scientist III, archaeol. salvage proj., Univ. Texas, 58-63; exec. dir. Tex. Archaeol. Res. Lab., 63-64; asst. prof. ANTHROP. Eastern Kentucky, 64-66; ASSOC. PROF. KENTUCKY, 69- Soc. Am. Archaeol. Anthropol. Assn. Texas prehistory, including Spanish contact period; Kentucky prehistory; paleoecology of man in Texas, including his relationship with vertebrates and soil types; skeletal studies of prehistoric bison. Publ: Co-auth. The Pearson Site: a historic Indian site in Iron Bridge Reservoir, Rains County, Texas, Archaeol. ser. Univ. Tex. 61; auth. The Taovayas Village of 1759: in Texas or Oklahoma, Great Plains J. 65; Verticals: their implications for archeological research, Am. Anthropologist, 70. Address: Dept. of Anthropology, University of Kentucky, Lexington, Ky. 40506.
- DUFFY, PROF. ELIZABETH. Psychology. See A-K Vol, 11th ed, Soc. & Behav. Vols. New information: Emer. prof. 69-, Dept. of Psychology, University of North Carolina at Greensboro, Greensboro, N.C. 27412.
- DUFFY, DR. FRANCES R(AMON). Sociology. See A-K Vol, 11th ed, Soc. & Behav. Vols. New position & address: Dir. 69-, St. Joseph's House, 16th & Allegheny Ave., Philadelphia, Pa. 19140.
- DUGAN, PROF. JAMES E(DWARD). Economics. See A-K Vol, 11th ed, Soc. & Behav. Vols. New information: Also Chmn. 69-, Dept. of Economics, University of Colorado, Boulder, Colo. 80302.
- DUGGAL, DR. VED PRAKASH, b. Lahore, Pakistan, June 15, 29; m. 59; c. 2. ECONOMICS. B.A. Panjab, India, 49; M.A. Delhi, 51; Ph.D. (pub. sector econ), Netherlands Sch. Econ. 61. Res. officer, Indian Inst. Pub. Admin. New Delhi, 61-63; asst. lect. soc. econ. & econ. develop. Glasgow, 63-66; Orgn. Econ. Coop. & Develop. Paris lectureship, Middle East Tech, Ankara, 66-67; ASSOC. PROF. price theory & econ. hist. Windsor, 67-68; MICRO-ECON. MACROECON. & BUS. MGT. INTER-AM. UNIV. P.R. 68- Econ. Asn. Public sector economics and policy. Publ: An enquiry into the organization of public enterprises, Annals Collective Econ, 63; Socialist labour parties and the size of the public sector, Annals Pub. & Coop. Econ, 64; Optimum extent and operation of the public sector, Econ. Int. 66. Address: Dept. of Economics and Business Administration, Inter-American University of Puerto Rico, San Germán, P.R. 00753.
- DUGGAR, DR. JAN (WARREN). b. Madison, Wis, Oct. 9, 40; m. 62; c. 2. ECONOMICS. B.A. Fla. State, 62, Nat. Defense Ed. Act. fel, 64-67, M.S. 65, Ph.D. (econ), 67. Vol. Peace Corps, 62-64; asst. prof. ECON. LA. STATE, BATON ROUGE, 67-69, ASSOC. PROF. 69- Econ. Asn; Finance Asn. Monetary theory and policy; national income accounts; macroeconomic theory. Publ: International comparisons of income levels: an additional measure, Econ. J. 3/69; -auth. National bank note redemption and treasury cash. J. Econ. Hist. 9/69 & Federal Reserve proposals for reform of the discount mechanism, South. Econ. J. 10-69. Address: Dept. of Economics, Louisiana State University, Baton Rouge, La. 70803.
- DUGGER, PROF. JAMES G(ORDON). Psychology, Educational Psychology. See A-K Vol, 11th ed, Soc. & Behav. Vols. New position & address: Prof. psychol. & chmn. dept. Metrop. State College, 70- Address: 12103 E. Louisiana Ave, Aurora, Colo. 80010.
- DUKE, PROF. RICHARD DE LA BARRE, b. Washington, D.C. Dec. 19, 30; m. 56; c. 5. URBAN PLANNING, SOCIAL SCIENCES. B.S. Maryland, 52; B.S. Mich. State, 54, M.U.P. 58; Nat. Sci. Found. fel, Michigan, 62-63, Ph.D. (resources conserv), 64. PROF. city & regional planning, Mich. State, 58-68; REGIONAL PLANNING, MICHIGAN, 68- Mem. bd. dirs. Community Systems, Found. 62-67. Consult, Nat. Cmn. Automation, Tech. & Econ. Progress, 65; Munic. Sci. Res. Inst. Berlin, Germany, 67. C. Eng. 64, 1st Lt. Inst. Planners. Address: 321 Parklake, Ann Arbor, Mich. 48823.
- DUKE, PROF. STEVEN BARRY. Criminal Law & Procedure. See 5th ed, Dir. Am. Scholars, Vol. IV, Philos. Rel. & Law.
- DULLES, DR. ELEANOR L(ANSING). Economics. See A-K Vol, 11th ed, Soc. & Behav. Vols. New publ: One Germany or two: the struggle at the heart of Europe, Hoover Inst. 70. Address: 1114 Spring Hill Rd, McLean, Va. 22101.
- DUNAWAY, DR. (GEORGE) MILTON, b. Lumpkin, Ga, July 11, 38; m. 57; c. 2. MATHEMATICS, EDUCATION. B.S. Georgia, 59; M. Ed, Mercer, 66; Ed.D. (ed. admin.), Auburn, 69. Instr. math. Ga. Mil. Col, 59, Massey Col, 60-61; Gordon Mil. Col, 61; teacher, Crawford County High Sch, 62-64; registr. & dir. admissions, Ga. Southwest Col, 65-67; coordinator evening prog, AUBURN, MONTGOMERY, 68-69, CHMN. DIV. CONTINUING ED, 69- Educational finance, particularly in junior colleges. Address: 1833 Grove Hill Lane, Montgomery, Ala. 36106.
- DUNBAR, PROF. J(OHN) ORVAL. Agricultural Economics. See A-K Vol, 11th ed, Soc. & Behav. Vols. New position: Assoc. dir. Ind. Coop. Exten. Serv, Purdue, 69- Address: Purdue University, Agricultural Administration Bldg, West Lafayette, Ind. 47906.
- DUNCAN, PROF. HARRY A. Journalism. See 5th ed, Dir. Am. Scholars, Vol. II, Eng. Speech & Drama.
- DUNKMAN, PROF. WILLIAM E(DWARD). Economics. See A-K Vol, 11th ed, Soc. & Behav. Vols. New information: Emer. prof. econ, Rochester, 68-69; prof. Rochester Inst. Tech, 68- New Publ: Money, credit and banking, Random, rev. ed. 70. Address: Rochester Institute of Technology, 1 Lomb Memorial Dr, Rochester, N.Y. 14623.
- DUNLAP, DR. HELEN L(ESLIE). Psychology. See A-K Vol, 11th ed, Soc. & Behav. Vols. New information: Retired, 69. Address: 1717 E. Newton Ave, Shorewood, Wis. 53211.
- DUNLAP, DR. JACK W(ILLIAM) M. Psychology. See A-K Vol, 11th ed, Soc. & Behav. Vols. New position: Pres, Dunlap & Assocs, Inc, 69- Address: 7 Sweet Briar Lane, Stamford, Conn. 06905.
- DUNLOP, DR. ROBERT ANDREW, b. Chicago, Ill, Oct. 16, 28; m. 52; c. 3. MANAGEMENT, COMPUTER SYSTEMS. B.S. Purdue, 51, M.S. 57, Ph.D. (indust. rels), 61. Res. asst. TV & radio surv. div. e. reference, Purdue, 56-58; personnel ops. mgr. Int. Bus. Mach. Corp, 58-61, prof. info. mgr. 61-64, mgr. comput. info. sys. 64-68, mgr. consumer data serv. 68-69; EXEC. V.PRES, LOGISTIC DISTRO-DATA INC, 69- U.S.N. 51-55. Psychol. Asn. Executive management behavior and their use of computerized information systems; consumer motivation and acceptance of computerized services in the home; management and administration of computer services and computer system development. Publ: Experience register for scientists and engineers, Inst. Elec. & Electronics Engrs. Trans. Eng. Mgt, 3/63; The emerging technology of information utilities, Proc. Conf. Info. Utilities, Univ. Chicago, 12/69; Will the real management information system ever please stand up, Comput. Decisions, 1/70. Address: Lake Katonah, R.D. 3, Katonah, N.Y. 10536.
- DUNN, PROF. LLOYD M. Special Education. See A-K Vol, 11th ed, Soc. & Behav. Vols. New position & address: Prof. educ. psychol, 70-, College of Education, University of Hawaii, Honolulu, Hawaii 96822.
- DUNN, DR. STEPHEN PORTER. Anthropology. See A-K Vol, 11th ed, Soc. & Behav. Vols. New position: Dir. res, Highgate Rd, Soc. Sci. Res. Sta, Inc, 69- Address: 32 Highgate Rd, Berkeley, Calif. 94707.
- DUPONT, PROF. HENRY JOHN. Psychology. See A-K Vol, 11th ed, Soc. & Behav. Vols. New position & address: Prof. ed, 69-, Dept. of Educational Psychology, University of Hawaii, College of Education, 1776 University Ave, Honolulu, Hawaii 96822.
- DUPRE, DR. WILHELM. Philosophy, Cultural Anthropology. See 5th ed, Dir. Am. Scholars, Vol. IV, Philos. Rel. & Law.
- DUPREE, PROF. DEMPSEY MIDDLETON, b. Charleston, S.C. Sept. 14, 31; m. 53; c. 5. ACCOUNTING. B.B.A. & M.B.A. Michigan, 56; Earlhart Found. fel, Mich. State, 63-65, Arthur Andersen Found. summer fel. & Ph.D. (acct), 65. Instr. bus. Palmer Col, 58-61; asst. prof. ACCT, South Carolina, 61-63; asst. instr. Mich. State, 63-65; assoc. prof. Parsons Col, 65-67; PROF. CLARION STATE COL, 67- Found. Econ. Ed. fel, Sun Oil Co, summer 62. Staff acct, C.E. Palmer, Charleston, 58-61; faculty resident, Arthur Andersen & Co, Chicago, Ill, 66-67. U.S.A.F. 51-53; Air Nat. Guard, 54-58, 1st Lt. Inst. Cert. Pub. Acct. Am. Acct. Asn; Finance Asn. Simulative framework for evaluating personal and business investments; new instructional methods and concepts for teaching introductory accounting. Publ: Tax qualified retirement plans for self-employed, Bus. & Econ. Rev. Univ. South Carolina, 2/65. Address: Dept. of Business Administration, Clarion State College, Clarion, Pa. 16214.
- DUPREE, DR. LOUIS. Anthropology. See A-K Vol, 11th ed, Soc. & Behav. Vols. Change of address: American Universities Field Staff, Box 150, Hanover, N.H. 03755.
- DURBIN, DR. MARSHALL ELZA. Anthropology, Linguistics. See A-K Vol, 11th ed, Soc. & Behav. Vols. New position: Assoc. prof. 69-, Dept. of Anthropology, Washington University, St. Louis, Mo. 63130.
- DURHAM, DR. (GEORGE) HOMER. Political Science. See A-K Vol, 11th ed, Soc. & Behav. Vols. New position & address: Cmnr. & exec. officer, 69-, Utah System of Higher Education, 1201 University Club Bldg, Salt Lake City, Utah 84111.
- DUROSS, HAROLD JAMES, b. Syracuse, N.Y. Sept. 23, 17; m. 42; c. 2. GEOGRAPHY. B.S. Syracuse, 47; M.A. Kent State, 49; dipl. Air War Col, 66. Res. asst, Kent State, 48-49; analyst, hq, U.S. Air Force, WASH. D.C. 50-58, asst. dir. targets, tactical air command hq, 58-59, OPER. ANALYST, HQ, 60- U.S.A.A.F. 42-45, Sgt. Geography of the Union of Soviet Socialist Republic. Address: 6405 Lakeview Dr, Falls Church, Va. 22041

DUSHKIND, DR. DONALD S(TANFORD). Psychology. See A-K Vol, 11th ed, Soc. & Behav. Vols. New information: Practicing psychologist & marriage counsellor, 70-. Address: 290 Tamalpais Rd, Fairfax, Calif. 94930.

DU TOIT, DR. BRIAN MURRAY. Anthropology. See A-K Vol, 11th ed, Soc. & Behav. Vols. New position: Assoc. prof, 69-. Dept. of Anthropology, University of Florida, Gainesville, Fla. 32601.

DUTT, DR. ASHOK K. Geography, Regional Planning. See A-K Vol, 11th ed, Soc. & Behav. Vols. New position & address: Assoc. prof. geog. & urban studies, 69-. University of Akron, Akron, Ohio 44304.

DUTTON, DR. DEAN S. b. LaVerkin, Utah, June 23, 38; m. 69. ECONOMICS. B.A., Utah, 64; M.A., Mich. State, 66, Ph.D.(econ), 68. Asst. prof. ECON, Iowa, 67-68; vis. asst. prof. econ, Tex. A&M, 70; ASST. PROF. BRIGHAM YOUNG, 70-. U.S.A. 61-62, Sgt. Econ. Asst. Economet. Soc. Monetary theory; inflation. Publ: A model of self generating inflation: the Argentine case, J. Money, Credit & Banking, (in press). Address: 318 JKB, Brigham Young University, Provo, Utah 84601.

DUTTON, PROF. EDWARD P. b. Julesburg, Colo, Dec. 4, 24; m. 50; c. 2. COMMUNITY ORGANIZATION. SOCIAL WORK. B.A., California, Berkeley, 52; M.S. Columbia, 55; Wayne State, 57. Exec. dir. soc. work, Presby. Boys' Club, 54-56; social worker, Grosse Pointe Woods Community Club, 56-58; soc. planner, Fresno Community Coun, 58-60; United Community Fund of San Francisco, 60-63; prog. dir. Ford Found. Oakland Interagency Proj, 63-65; exec. dir. Calif. Center Community Development, 65-67; ASSOC. PROF. SOC. WORK, FRESNO STATE COL., 67-. Lectr., California, Berkeley, 63-65, dir. urban affairs exten, California, Berkeley 65-66; instr. California, Davis, Riverside, San Diego & Santa Cruz, 66-69. Mem. Nat. Cmt. Extend Nat. Labor Rel. to Farm Workers, 66-68. U.S.A. 43-46, Sgt. Nat. Assn. Soc. Workers; Coun. Soc. Work Ed. Community organization and development, including comprehensive social planning and grass roots organizing for self-help projects. Publ: Automation—a challenge to recreation, Recreation, 10/54; co-auth. A symposium on community development in California, Visalia, Calif, 62. Address: Dept. of Social Work, Fresno State College, Fresno, Calif. 93726.

DUTTON, PROF. JOHN MASON. Industrial Administration. See A-K Vol, 11th ed, Soc. & Behav. Vols. New position: Dir. planning & res. School of Business Administration, Southern Methodist University, Dallas, Tex. 75222.

DUVA, JAMES S. b. New York, N.Y. Jan. 2, 24; m. 51; c. 5. EXPERIMENTAL PSYCHOLOGY. B.A., Iona Col, 47; M.A., Fordham, 48; Columbia, 50-52. Asst. dir. TV eval. proj., Fordham Univ, 48-51; chief design br., human eng. br., U.S. Navy Spec. Devices Center, 51 & 52-55; chief motion picture prod. br., audio-visual directorate, U.S. Air Force Human Resources Res. Labs, 51-52; chief applns. div., oper. appln. lab, U.S. Air Force Electronic Sys. Div, 55-62, tech. dir. decision sci. lab, 62-67; chief tech. br., computer & display div, 67; HEAD ADAPTIVE TRAINING DIV, HUMAN FACTORS LAB, U.S. NAVY THINNING-OUT CENTER, 67-. U.S.A. 42-45, U.S.A. 42-45, P. 51-52, Maj. AAAS: Psychol. Asst. Res. Soc. Am; Inst. Elec. & Electronics Eng. System analysis and design; information display; computers in research; computer assisted instruction; machine controlled adaptive training. Publ: Co-auth. Training by TV: the comparative effectiveness of instruction by TV, TV recordings and conventional classroom procedures, SOC Tech. Report, 3/51, Target position as a coding dimension, AFCCDD Tech. Report, 11/60 & Display sharing through color filtering; II, ESD Tech. Doc. Report, 10/62. Address: 360 N. Lake Sybelia Dr, Maitland, Fla. 32751.

DWORKIN, PROF. RONALD MYLES. Law, Philosophy. See 5th ed, Dir. Am. Scholars, Vol. IV, Philos, Relig. & Law.

DWORS, PROF. RICHARD E(DWARD). Sociology. See A-K Vol, 11th ed, Soc. & Behav. Vols. New position & address: Prof. social. & head, 68-. Dept. of Sociology & Anthropology, University of Calgary, Calgary, Alta, Can.

DWYER, DR. THOMAS A. Computer Science, Applied Mathematics. See Suppl. V to 11th ed, Phys. & Biol. Vols.

DYAL, PROF. JAMES A(LBERT). Experimental Psychology. See A-K Vol, 11th ed, Soc. & Behav. Vols. New position & address: Prof. & chmn, 69-. Dept. of Psychology, University of Waterloo, Waterloo, Ont, Can.

DYCKMAN, DR. JOHN WILLIAM. Urban Planning, Economics. See A-K Vol, 11th ed, Soc. & Behav. Vols. New information: Assoc. prof., 68-. Dept. of City & Regional Planning, University of California, Berkeley, Calif. 94720.

DYDO, DR. JOHN S. Economics. See A-K Vol, 11th ed, Soc. & Behav. Vols. New position & address: V.pres, 69-. C.R. Dean Economics Inc, 315 Central Park W, New York, N.Y. 10025.

DYE, DR. THOMAS ROY. Political Science. See A-K Vol, 11th ed, Soc. & Behav. Vols. Change of address: Dept. of Government, Florida State University, Tallahassee, Fla. 32306.

DYER, DR. DONALD R(AY). Geography. See A-K Vol, 11th ed, Soc. & Behav. Vols. Change of address: Dept. of State, INR/MP, Washington, D.C. 20521.

DYER, DR. FREDERICK NORMAN. b. Palms, Mich, Jan. 15, 38; m. 64. EXPERIMENTAL PSYCHOLOGY. B.Sc., Eastern Michigan, 63; M.A., Mich. State, 65, Ph.D.(psychol), 68. Asst. prof. ed. psychol, Alberta, 66-69; RES. PSYCHOLOGIST, U.S. ARMY MED. RES. LAB, 69-. U.S.A. 58-61. Psychol. Asst.; Psychonomic Soc. Vision: visual perception; human learning; cognitive processes. Publ: Luminance requirements for illuminated signs, Hwy. Res. Record, 67 & Effects of the apparent size of afterimages in studies of Emmert's Law, Proc. Annual Convention Am. Psychol. Asst., 68; auth. Note on Dees' size constancy explanation of the moon illusion, Perceptual & Motor Skills, 68. Address: U.S. Army Medical Research Lab, Ft. Knox, Ky. 40121.

DYKSTRA, PROF. GERALD. Linguistics, Education. See 5th ed, Dir. Am. Scholars, Vol. III, For. Lang, Ling. & Philol.

DYKSTRA, DR. RICHARD L(YNN). Mathematical Statistics. See Suppl. VI to 11th ed, Phys. & Biol. Vols.

DYRUD, DR. JARL E(DUARD). Psychiatry. See Suppl. V to 11th ed, Phys. & Biol. Vols.

DYSINGER, PROF. WENDELL STUART. Psychology. See A-K Vol, 11th ed, Soc. & Behav. Vols. New position: Psychologist, Ill. Dept. Ment. Health, 68-. Address: Jacksonville State Hospital, 1201 S. Main St, Jacksonville, Ill. 62650.

DYSON-HUDSON, DR. NEVILLE. Social Anthropology. See A-K Vol, 11th ed, Soc. & Behav. Vols. New information: Prof. soc. rels, Hopkins, 69-. mem. Royal Geog. Soc. exped, S. Turkana, 69-71. Address: Dept. of Social Relations, Johns Hopkins University, Baltimore, Md. 21218.

DZIADEK, DR. FRED. Economics. See A-K Vol, 11th ed, Soc. & Behav. Vols. New position: Asst. dir. econ, U.S. Gen. Acct. Off, 68-. Address: 1111 Arcola Ave, Silver Spring, Md. 20902.

E

EADS, DR. LAURA K(RIEGER). Psychology. See A-K Vol, 11th ed, Soc. & Behav. Vols. New information: Also private practice individual & group psychother., 60-. Address: 141 Joralemon St, Brooklyn, N.Y. 11201.

EAGLE, PROF. MORRIS N(ATHAN). Psychology. See A-K Vol, 11th ed, Soc. & Behav. Vols. New position: Prof, 69-. Dept. of Psychology, Yeshiva University, 55 Fifth Ave, New York, N.Y. 10003.

EAKIN, DEAN CARL T(URNEY). Marketing. See A-K Vol, 11th ed, Soc. & Behav. Vols. New position & address: Dean, 68-. School of Business, University of Louisville, Louisville, Ky. 40208.

EARICKSON, DR. ROBERT J. b. Roswell, N.Mex, Aug. 26, 34; m. 65; c. 1. GEOGRAPHY. B.S., Arizona State, 63; M.A., 65; U.S. Pub. Health Serv. fel, Washington (Seattle), 67-68, Ph.D.(geog), 68. Res. asst. econ, West. Mgt. Consults, Ariz., 64-65; health facilities planning, Hosp. Planning Coun. Metrop. Chicago, 66-67; ASST. PROF. GEOG. & PUB. HEALTH, UNIV. HAWAII, 68-. Asn. Am. Geog. Regional Sci. Asn; Urban & Regional Info. Sys. Asn; Pop. Asn. Am. Distribution of phenomena & the interaction between places on the earth's surface, chiefly within or between urban areas; inter-relationships between social, economic, cultural and physical phenomena. Publ: The spatial behavior of hospital patients: a behavioral approach to spatial interaction, In: Res. ser., University Chicago, 70; co-auth. Locational efficiency of Chicago hospitals: an experimental model, Health Serv. Res., 68; auth. Graduate training in the application of electronic data processing in geographic research, Asn. Pac. Coast Geographers Yearbook, 70. Address: Dept. of Geography, University of Hawaii, Honolulu, Hawaii 96822.

EARL, PROF. ROBERT WILLIAM. Psychology. See A-K Vol, 11th ed, Soc. & Behav. Vols. New position: Chief res., Stockton State Hosp, 69-. Address: 134 Glencannon, Stockton, Calif. 95207.

EARNEY, DR. FILLMORE C(HRISTY). Geography. See A-K Vol, 11th ed, Soc. & Behav. Vols. New position: Assoc. prof, 69-. Dept. of Geography, Northern Michigan University, Marquette, Mich. 49855.

EASBY, ELIZABETH KENNEDY. Archaeology, Anthropology. See A-K Vol, 11th ed, Soc. & Behav. Vols. New position: Consult. Pre-Columbian Art, Metrop. Mus. of Art, 68-. Address: 110 East End Ave, New York, N.Y. 10028.

EASTBURN, DR. DAVID P(LUMB). Economics. See A-K Vol, 11th ed, Soc. & Behav. Vols. New position: Pres. Fed. Res. Bank of Phil., 70-. Address: 75 Short Rd, R.D. 3, Doylestown, Pa. 18901.

EASTER, DR. E(RNEST) CLIFFORD. Psychology. See A-K Vol, 11th ed, Soc. & Behav. Vols. New position: Counseling psychologist, 68-. Psychology Service, Veterans Administration Hospital, Brockton, Mass. 02401.

EASTERBROOK, PROF. JAMES ARTHUR. b. Spooner, Wis, Apr. 10, 23; Can. citizen; m. 44; c. 5. PSYCHOLOGY. B.A., Queen's (Ont), 49, M.A., 54; Ph.D. (psychol), London, 63. Lectr. psychol, Queen's (Ont), 49; defence res. sci. officer, Defence Res. Sci. Serv, 50-57; scientist, Burden Neurol. Inst., 59-61; asst. prof. PSYCHOL, Alberta, 61-67; PROF. NEW BRUNSWICK, 67-. Chmn. Joint Manpower Consult. Cmt., Fredericton, 68. R.C.A.F. 41-45, 49, Flight Lt. Can. Psychol. Asn; Brit. Psychol. Soc. Emotion and skill; attentive behaviour; economic development. Publ: Ethyl alcohol and the effects of stress; In: Experiment with drugs, Pergamon, 63; The effect of emotion on cue utilization and the organization of behaviour, Psychol. Rev., 68: 183-201; co-auth. Disorders of attention and concentration, In: Symptoms of psychopathology, Wiley, 70. Address: Dept. of Psychology, University of New Brunswick, Fredericton, N.B., Can.

EASTMAN, SAMUEL EWER. Economics. See A-K Vol, 11th ed, Soc. & Behav. Vols. Change of address: 3900 Shoemaker St N.W., Washington, D.C. 20008.

EASTON, DR. ALLAN. b. Hoboken, N.J., Sept. 15, 18; m. 38; c. 2. BUSINESS ADMINISTRATION. B.S., Hofstra Col, 57; Ford Found. fel, Columbia, 62-64, Ph.D.(bus), 64. Chief eng., Telephone Radio Corp, N.Y., 47-50; eng. mgr., Radio Receptor Corp, 50-53; V.pres. & eng. mgr., Granco Prod. Inc, 53-56; V.pres. mkt. Gen. Transistor Corp, 56-60; ad. assoc. prof. bus, Columbia, 61-66; ASSOC. PROF. MGT, HOFSTRA, 67-. Econ. Asn; Inst. Elec. & Electronics Eng. Management and organizational behavior; decision theory: in-

- dustrial marketing. Publ: Corporate image vs. corporate style, J. Mkt. Res. 6/66; A forward step in performance evaluation, J. Mkt. 7/66; Claimantships vs. membership as organizational constructs, J. Human Rel. first quarter 69. Address: 6040 Blvd. East, West New York, N.J. 07093.
- EATON, DR. AUBREY MAC, b. Oklahoma City, Okla. Dec. 2, 38; m. 65. PSYCHOLOGY. B.A. California, Berkeley, 60; Ph.D. (psychol.), Chicago, 69. PSYCHOLOGY. Vet. Admin. Hosp. Chicago, 68-69; ASST. PROF. PSYCHOL., CALIF. STATE COL., SAN BERNARDINO, 69. Psychol. Asn. Interpersonal processes. Address: 314 Echo Court, San Bernardino, Calif. 92404.
- EATON, DR. B. CURTIS, b. Price, Utah, Apr. 16, 43; m. 65. ECONOMICS. B.A., Colorado, 65, Ph.D. (econ.), 69. Res. economist, Colorado, 66-69; ASST. PROF. ECON. BRITISH COLUMBIA, 69. Am. Econ. Assn.; Can. Econ. Assn. Defense and labor economics; industrial organization. Publ: Co-auth. Reemployment experiences of defense workers, U.S. Govt. Printing Off., 69; auth. Studying mass layoffs through Markov chains, Indust. Rel., 10/70. Address: Dept. of Economics, University of British Columbia, Vancouver, B.C., Can.
- EATON, DR. JOSEPH W. Sociology. See A-K Vol. 11th ed. Soc. & Behav. Vols. Change of address: School of Public Health, University of Pittsburgh, Pittsburgh, Pa. 15213.
- EATON, DR. PAUL W. Economics, Statistics. See A-K Vol. 11th ed. Soc. & Behav. Vols. New position and address: Assoc. prof. statistic, 69-, College of Business, Northern Illinois University, De Kalb, Ill. 60115.
- EBANKS, DR. GOSPORT EDWARD, b. Jamaica, Mar. 1, 38; m. 68. SOCIOLOGY, DEMOGRAPHY. B.A. Univ. Col. West Indies, London, 62; M.A., Cornell, 65, Ph.D. (sociol.), 68. Res. asst. Pop. Coun., 66-67; ASST. PROF. SOCIOLOGY, WESTERN ONTARIO, 68. Consult. Ford Found., 68-69. Pop. Assn. Am.; Am. Sociol. Assn.; Can. Sociol. & Anthropol. Assn. Migration; fertility; family planning; social change; modernization. Publ: Internal migration in Jamaica, 68 & Characteristics of family planners, 70, Soc. & Econ. Studies; Users and non-users of contraception, Pop. Studies, 70. Address: Dept. of Sociology, University of Western Ontario, London 72, Ont., Can.
- EBERHART, DR. JOHN (CAROL). Psychology. See A-K Vol. 11th ed. Soc. & Behav. Vols. Change of address: National Institute of Mental Health, Bldg. 36, Room 1A-05, Bethesda, Md. 20014.
- EBNER, DR. MICHAEL J. b. Berkeley, Calif., Dec. 2, 33; m. 57; c. 3. PSYCHOLOGY. B.A. California, Berkeley, 56; M.A., Oregon, 63, Ph.D. (clin. behaviorism), 67. Psychol. assoc. Ore. State Hosp., 63; psychologist, Ore. Fairview Home, 63-64; sr. psychologist, Edgelyfield Lodge, 65-70; ASST. PROF. PSYCHOL., PORTLAND, 70. Field work in human ecology from a clinical-behavioral standpoint; behavior modification; functional analytic approach to psychological assessment. Publ: Co-auth. Modifying deviant social behaviors in various classroom settings, Dept. Ed. Univ. Oregon, 69. Address: 2168 N.E. Multnomah St., Portland, Ore. 97232.
- ECHEVERRIA, DR. OSCAR A. Economics. See A-K Vol. 11th ed. Soc. & Behav. Vols. New position: Coordinator systs. anal., Inter-Am. Develop. Bank, 69-. Address: P.O. Box 3559, Washington, D.C. 20007.
- ECK, DR. THEODORE R. Economics, Finance. See A-K Vol. 11th ed. Soc. & Behav. Vols. New position and address: Dir. econ. planning, 69-, Ling-Temco-Vought, Inc., P.O. Box 5003, Dallas, Tex. 75222.
- ECKEL, DR. LEONARD GEORGE, b. Quinton, Sask. Mar. 19, 38; m. 62; c. 3. FINANCE, ACCOUNTING. B.A., Saskatchewan, 59, B.Comm., 60; Paton & Rodkey fcls. & M.B.A., Michigan, 64, Ford Found. fel. Can. Coun. fel. & Ph.D. (bus), 68. Sys. officer, Saskatchewan, 62-63; ASSOC. PROF. AC-COUNTING, McMASTER, 66-. Adult education for business; the public regulation of treasury stock transactions in the United States and Canada. Address: Faculty of Business, McMaster University, Hamilton, Ont., Can.
- ECKENRODE, ROBERT T. Chemical Engineering, Experimental Psychology. See Suppl. to 11th ed. Phys. & Biol. Vols.
- ECKER, PROF. DAVID WINSLOW. Philosophy of Education. See 5th ed. Dir. Am. Scholars, Vol. IV, Philos. Relig. & Law.
- ECKER-RACZ, DR. L. LASZLO. Economics. See A-K Vol. 11th ed. Soc. & Behav. Vols. New position: Sr. fel. Wash. Center Meeting. Studies, 69-. Address: 1318 24th St. S., Arlington, Va. 22202.
- ECKLES, DR. ROBERT WILLIAM, b. Cleveland, Ohio, May 27, 27; m. 57; c. 4. BUSINESS ADMINISTRATION, MARKETING. B.S., Miami (Ohio), 51, M.B.A., 59; D.B.A., Washington (St. Louis), 70. Sales & mkt. rep. Andrew Jergens Co., 51-52; sales rep. Burroughs Corp., 52-57; Egly Register Co., 57-58; instr. mkt. Northwest Mo. State Col., 61-62; asst. prof., Southern Illinois, 62-68; ASSOC. PROF. MGT., MISSOURI-ROLLA, 68-. U.S.A., 45-47. Econ. Assn.; Mkt. Assn.; Assn. Sys. Mgt.; Soc. Eng. Ed. Product management systems and organizational behavioral systems. Publ: Co-auth. The undergraduate marketing management course—An experiment in instructional technique, Collegiate News & Views, 10/69. Address: Dept. of Engineering Management, University of Missouri-Rolla, Rolla, Mo. 65401.
- ECKLEY, PRES. ROBERT S(PENCE). Economics. See A-K Vol. 11th ed. Soc. & Behav. Vols. New position and address: Pres., 68-, Illinois Wesleyan University, Bloomington, Ill. 61701.
- EDDIE, DR. SCOTT McNEIL. Economics, Economic History. See A-K Vol. 11th ed. Soc. & Behav. Vols. New information: Vis. prof., Philippines, 69-. Address: c/o Ford Foundation, M.C.C., P.O. Box 740, Makati, Rizal D-708, Philippines.
- EDDY, DR. JOHN PAUL, b. Glencoe, Minn. Jan. 18, 32; m. 58; c. 2. PSYCHOLOGY, EDUCATION. B.S., Minnesota, Minneapolis, 54; B.D., Garrett Theol. Sem., 59; M.A., Northwestern, 60; Danforth Found. grant, Southern Illinois, 67-68, Ph.D., 68. Res. dir. & educator, Cent. Mindanau Rural Center, 54-55; dir. drug ed., Garrett Theol. Sem., 56-57; prog. dir. & inst. rep., Wesley Found., Pa. State, 57-58; dir. group parish, Greenwood-Ringwood Church, Woodstock, Ill., 58-60; dir. & exten. lectr., Wesley Found., Mankato State Col., 60-65; asst. to dean, col. ed. Southern Illinois, 66, assoc. dir. cult. exchange, 66-67, res. teacher Steagall Hall, 67-68, asst. prof. philos. & dean students, Johnson State Col., 68-69; ASSOC. PROF. ED. N.MEX. INST. MIN. & TECH., 69-, acting dean students, 69, dir. teacher ed. & counselor, 69-70. Pastor Hope Chapel, Colp., Ill., 66-67; res. chmn. Nat. Assn. Col. & Univ. Chaplains, 66-67; Asn. Coord. Religious Affairs, 69-70; private, state & world, 69-70. AAAS; Soc. Sci. Study Relig.; Am. Personnel & Guid. Assn. Empirical investigations into science teaching in elementary, secondary and higher education; university religious personnel; drugs on campus; bilingual and multicultural approaches in education; psychological and academic testing; counselor evaluation; disadvantaged students. Publ: Comparison of the characteristics and activities of religious personnel, Assoc. Ed. Serv. Corp., Simon & Schuster, 69; Religious personnel in church related colleges, In: Handbook of college and university administration, McGraw, 69; Drugs and disclosure, Personnel & Guid. J., 11/69. Address: 314 Bursum Place N.W., Socorro, N.Mex. 87801.
- EDDY, DR. WILLIAM BAHRET. Industrial Psychology. See A-K Vol. 11th ed. Soc. & Behav. Vols. New position: Prof., 69-, School of Administration, University of Missouri-Kansas City, Kansas City, Mo. 64110.
- EDELSTEIN, PROF. ALEX S. b. Kerch, Russia, June 19, 19; nat. m. 46; c. 4. COMMUNICATIONS. A.B. San Francisco State Col., 46; M.A., Stanford, 48; Ph.D. (mass commun.), Minnesota, 58. Dir. pub. Modesto City Col., 48-53; from asst. prof. to PROF. COMMUN., WASHINGTON (SEATTLE), 55-, DIR. INT. COMMUN. CENTER, 67-, dir. grad. studies, 55-63, commun. res. center, 65-67. Grants, Citizenship Clearing House, Seattle, 60-61; Citizens Coun. for State Legis., 65-66; Nat. Sci. Found., 68-70; Nat. Endowment for Humanities, 68-69; vis. lectr., Stanford, 59-60; Fulbright lectr., Grad. Sch. Econ. & Mkt., Copenhagen, 63-64. U.S.N.R., 41, Lt. Asn. Ed. in Journalism; Asn. Pub. Opinion Res.; Int. Asn. Mass Commun. Res. The functions of mass media in facilitating sense of community; mass communication and politics, in relation to state, national, and international affairs; mass communication and national development. Publ: Perspectives in mass communication, Einar Harck, Copenhagen, 66; co-auth. The weekly press contribution to a sense of urban community, Journalism Quart., 37:489-498; auth. Since Bennington: evidence of change in student political behavior, Pub. Opinion Quart., 36: 564-571. Address: School of Communications, University of Washington, Seattle, Wash. 98105.
- EDELSTEIN, DR. J. DAVID. Social Psychology, Sociology. See A-K Vol. 11th ed. Soc. & Behav. Vols. New position & address: Assoc. prof., 68-, Dept. of Sociology, Syracuse University, Syracuse, N.Y. 13210.
- EDGERTON, DR. MILLS FOX, Jr. Romance Philology. See 5th ed. Dir. Am. Scholars, Vol. III, For. Lang. Ling. & Philol.
- EDMOND, DR. CLARENCE D. Economics. See A-K Vol. 11th ed. Soc. & Behav. Vols. New position: State leader community resource develop., 69-, Cooperative Extension Service, University of Arizona, Tucson, Ariz. 85721.
- EDMONDS, DR. WILLIAM SYLVESTER. Psychology. See A-K Vol. 11th ed. Soc. & Behav. Vols. Change of address: Graduate School, Virginia State College, Petersburg, Va. 23806.
- EDWARDS, PROF. CHARLES EDWARD. Business Administration, Economics. See A-K Vol. 11th ed. Soc. & Behav. Vols. New position: Prof. bus. admin. & dir., 68-, Bureau of Business & Economic Research, University of South Carolina, Columbia, S.C. 29208.
- EDWARDS, DR. CLINTON R. Geography. See A-K Vol. 11th ed. Soc. & Behav. Vols. New position: Prof., 69-, Dept. of Geography, University of Wisconsin, Milwaukee, Wis. 53201.
- EDWARDS, PROF. EDGAR OWEN. Economics. See A-K Vol. 11th ed. Soc. & Behav. Vols. New position and address: Prog. adv., 70-, Ford Foundation, 320 E. 43rd St., New York, N.Y. 10017.
- EDWARDS, DR. MORRIS OSWALD, b. Salt Lake City, Utah, Aug. 8, 11; m. 33; c. 2. INTERNATIONAL RELATIONS. B.S., U.S. Mil. Acad., 33; M.A., Georgetown, 51, Ph.D. (polit. sci.), 57. Instr. law, U.S. Mil. Acad., 37-41; chmn. faculty group int. rels., Army War Col., 56-57; dep. commandant, NATO Defense Col., Paris, 60-61; vis. prof. int. rels., Macalester Col., 63-65; SR. OPERS. ANALYST, STANFORD RES. INST., 65-. Dir. creative ed. prof., Macalester Col., 63-65; faculty mem., Creative Prob-Solving Inst., State Univ. N.Y., Buffalo, 63-70; dir. Creative Prob-Solving Inst., St. Paul, Minn., 64-65. Consult. creative prob. solving & creative behavior, 63-. Mem. creative leadership coun., Creative Ed. Found. contrib. ed. Jour. Creative Behav., 67-. U.S.A., 33-63, Brig. Gen. Int. Studies Asn. Area military studies; political-military forecasting; strategy; national security policy; creative approaches to problem solving; creative behavior of individuals and groups, methods for enhancing. Publ: Co-auth. The serviceman and the law, Mil. Serv. Pub., 40, 49 & 51; auth. Fostering creativity in a liberal arts college, Improving Col. & Univ. Teaching, autumn 65; A survey of problem solving courses, J. Creative Behav., winter 68. Address: Stanford Research Institute, 333 Ravenswood Ave., Menlo Park, Calif. 94025.
- EDWARDS, DR. NORMAN FAYNE, b. Dickinson, Va., Apr. 9, 36; m. 58; c. 2. ECONOMICS. B.S., Va. Polytech., 60; Ph.D. (econ.), Kentucky, 68. ASST. PROF. ECON. RICHMOND, 68-. U.S.M.C., 54-56. Manpower training and retraining. Publ: The state employment service in Appalachian Kentucky, U.S. Army Corps Engrs., 69; co-auth. Three local employment service offices in Appalachia: objectives, accomplishments, and recommendations, Human Resources, 70. Address: Dept. of Economics, University of Richmond, Va. 23173.

- EDWARDS, DR. THOMAS LEE, b. Stanley, N.Dak. Dec. 29, 38; m. 60; c. 2. ECONOMICS. B.A., Berea Coll, 60; univ. fel. Claremont Grad Sch, 60-62. Lincoln Found. fel, 63, Reim Found. fel. & M.A., 67, Ph.D.(econ), 68. Instr. ECON, Whitman Coll, 63-65; res. analyst, U.S. Govt. 65-68; ASST. PROF., HOLLINS COL, 68. Econ. Assn. Latin Am. Studies Assn. Latin American economic development; international liquidity and balance of payments adjustment problems; environmental problems; United States price support program for agriculture. Address: Dept. of Economics, Hollins College, Hollins College, Va. 24020.
- EDWARDS, PROF. WILLIAM E(LLIS). Anthropology, Archaeology. See A-K Vol, 11th ed, Soc. & Behav. Vols. New information: Prof. anthrop. Temple Buell Coll, 68- Part-time sr. archaeologist, inst. archaeol. & anthrop. Univ. South Carolina. Address: Temple Buell College, Denver, Colo. 80220.
- EFRAAT, DR. EDGAR SHLOMO. Political Science. See A-K Vol, 11th ed, Soc. & Behav. Vols. New position: Assoc. prof, Dept. of Political Science, University of Victoria, Victoria, B.C. Can.
- EFRON, DR. HERMAN YALE. Psychology. See A-K Vol, 11th ed, Soc. & Behav. Vols. New position: Dir. patient care eval. staff, Vet. Admin. Cent. Off. Wash, D.C. 69- Address: 909 Brentwood Lane, Silver Spring, Md. 20902.
- EFRON, DR. ROBERT. Neuropsychology, Neurophysiology. See Suppl. V to 11th ed, Phys. & Biol. Vols.
- EGAN, DR. JAMES J. b. West Orange, N.J. Mar. 1, 30; m. 59; c. 4. AUDIOLOGY, SPEECH PATHOLOGY. B.S., Western Michigan, 58; Nat. Insts. Health fel. Western Reserve, 65-66, Ph.D.(audiol. speech path), 67. ASST. PROF. SPEECH, BOWLING GREEN STATE, 67- Consult. Ohio Dept. Health, 65-U.S.A.F. 50-54. Speech & Hearing Assn. Acoustical Soc. Am. Clinical assessment of hearing ability in children; effects of ambient noise on speech. Publ: Co-auth. On assessing threshold of the better-than-normal hearing population, J. Acoustical Soc. Am. 9/68. Address: Dept. of Speech, Bowling Green State University, Bowling Green, Ohio 43402.
- EGAN, PROF. JAMES P(ENDELETON). Psychology. See A-K Vol, 11th ed, Soc. & Behav. Vols. Change of address: Dept. of Psychology, University of Texas, Mezes Hall, Austin, Tex. 78712.
- EGAN, DR. JOHN M. b. Wales, Mar. 24, 20; U.S. citizen. PSYCHOLOGY. B.S., Fordham, 43; B.A., St. John's, 46; M.S., 47, M.A., 48; Ph.D.(psychol), N.Y. Univ. 59; William Alston White Inst., 62-64. Teacher. All Hallows High Sch, New York, 43-47; from instr. to ASOC. PROF. PSYCHOL, IONA COL, 47-; ASOC. PROF. PASTORAL COUNSELING, GRAD. DIV. 63- Lectr. workshops, Catholic Univ. 58-; Cath. Univ. P.R. 63; travelling spec lectr, Australia, N.Z. & Far East, 68. Consult. U.S. Air Force Chaplains, Europe & Mid. East, 62; Acad. Relig. & Ment. Health, 62- Psychology: Assn. Personnel & Guid. Assn. Prof. counseling psychology; psychological testing; adolescent development and therapy; psychology religion; pastoral counseling; teaching. Address: Dept. of Psychology, Iona College, New Rochelle, N.Y. 10801.
- EGAN, DR. KATHERINE SNOW. Speech Pathology, Audiology. See Suppl. V to 11th ed, Phys. & Biol. Vols.
- EGELSTON, DR. RICHARD LESTER, b. Albany, N.Y. Jan. 9, 37; m. 60; c. 1. PSYCHOMETRICS, EDUCATION. B.S. State Univ. N.Y. Albany, 60, M.S., 63; Ph.D.(ed. res.), State Univ. N.Y. Buffalo, 69. Teacher, pub. sch. N.Y., 60-63; asst. State Univ. N.Y. Buffalo, 63-65; eval. specialist, 67-69; ASST. PROF. dept. psychol. & ed., Northern Michigan, 65-67; PSYCHOL., STATE UNIV. N.Y. GENESE, 69- Ed. Res. Assn.; Nat. Coun. Measurement in Ed.; Psychomet. Soc. Markov chain analysis; motivation; teaching methodology; teacher evaluation. Publ: Upper peninsula multi-district planning project, Islipung Bull, 69; Sch. Mich, 68; Teacher evaluation: reexamined, Sci. Teacher Bull, 69; Student self-evaluation as a predictor of student achievement, Quart. State Univ. N.Y. Buffalo, 69. Address: Dept. of Psychology, State University of New York at Geneseo, Geneseo, N.Y. 14454.
- EGETH, DR. HOWARD ELLIOTT, b. Newark, N.J. Feb. 15, 40; m. 69. PSYCHOLOGY. A.B., Rutgers, 61; Ph.D.(psychol), Michigan, 66. Asst. prof. PSYCHOL, HOPKINS, 65-70; ASOC. PROF. 70- Psychol. Assn. Psychonomic Soc. Perception cognition. Publ: Selective attention, Psychol. Bull, 67 & Multidimensional stimulus identification, Perception & Psychophysiol, 69; co-auth. Attention, In: Handbook of psychology, Prentice-Hall, 71. Address: Dept. of Psychology, Johns Hopkins University, Baltimore, Md. 21218.
- EGLASH, DR. ALBERT. Psychology. See A-K Vol, 11th ed, Soc. & Behav. Vols. New information: Headmaster, Cynium Free Sch, 69-; private psychologist. Address: 1667 McCollum, San Luis Obispo, Calif. 93401.
- EGNER, DONALD OTTO. Physics, Operations Research. See Suppl. VI to 11th ed, Phys. & Biol. Vols.
- EHRHARDT, DR. ANKE A. b. Hamburg, West Germany, Feb. 20, 40; m. 68. MEDICAL PSYCHOLOGY. Vordiplom, Munich, 62, Diplom, Hamburg, 64; Ph.D.(psychol), Düsseldorf, 69. Asst. med. psychol. Psychosom. Res. Unit, Hopkins, 64-67; psychol., Düsseldorf, 67-69; instr. med. psychol. psychosom. res. unit, Johns Hopkins Univ. & Hosp, 69-70; ASST. RES. PROF. PEDIAT. & PSYCHIAT, CHILDREN'S HOSP, STATE UNIV. N.Y. BUFFALO, 70- Soc. Sci. Study Sec. Soc. Study Reproduction; German Soc. Sex Res. Medical psychology: hormones and behavior, especially in hermaphroditic children and adults; behavior genetics; psychosexual differentiation. Publ: Co-auth. Progestin-induced hermaphroditism: IQ and psychosocial identity in a study of ten girls, J. Sex Res. 3, 83-100. Fetal androgens and female gender identity in the early-treated adrenogenital syndrome, Johns Hopkins Med. J., 122: 160-167 & Prenatal hormonal exposure: possible effects on behaviour in man, In: Endocrinology and human behaviour, Oxford, 68; plus others. Address: Children's Hospital, State University of New York at Buffalo, Buffalo, N.Y. 14222.
- EHRlich, DR. ROBERT S. Modern & Early History of Ideas. See 5th ed, Dir. Am. Scholars, Vol. I. Hist. New position & address: Asst. prof. soc. sci., 68-; College of Basic Studies, Boston University, Boston, Mass. 02215.
- EHRLMAN, LIBERT. Social Science, Economics. See A-K Vol, 11th ed, Soc. & Behav. Vols. Change of address: Surveys & Research Corp, 1828 L St. N.W., Washington, D.C. 20036.
- EICHER, DR. CARL K. b. Newberry, Mich. Apr. 3, 30; m. 52; c. 3. AGRICULTURAL ECONOMICS. B.S., Mich. State, 52, M.S., 56; Ph.D.(econ), 61. Instr. agr. econ, Mich. State, 54-56; asst. prof., 61-63; dir. econ. develop. inst. Univ. Nigeria, 64-66; ASOC. PROF. AGR. ECON, MICH. STATE, 65-Vis. prof. food res. inst., Stanford, 68. Consult. Agency Int. Develop. & World Bank Mission to Tanzania, 69; mem. overseas liaison com. Am. Coun. Ed., 69- Agr. Econ. Assn.; Econ. Assn.; fel. African studies Assn. International economic development especially agricultural development problems in Africa. Publ: Co-auth. Agriculture in economic development, McGraw, 64 & Growth and development of the Nigerian economy, Mich. State Univ., 70; auth. Research on agricultural development in English speaking West Africa, Agr. Develop. Coun., 70. Address: Dept. of Agricultural Economics, Michigan State University, East Lansing, Mich. 48824.
- EICHORN, PROF. ROBERT L(EE). Sociology. See A-K Vol, 11th ed, Soc. & Behav. Vols. New information: On leave from Purdue as dep. dir. off. prog. develop, 69-71, National Center for Health Services Research & Development, 4040 N. Fairfax Rd, Arlington, Va. 22203.
- EICKHOFF, DEAN ANDREW R(OBERT). Religion. See 5th ed, Dir. Am. Scholars, Vol. IV, Philo, Relig. & Law.
- EIDELBERG, DR. PAUL, b. Brooklyn, N.Y. June 21, 28; m. 47; c. 3. POLITICAL PHILOSOPHY, CONSTITUTIONAL LAW. M.A., Chicago, 57, Ph.D. 61, MINNESOTA, MINNEAPOLIS, 55-68; ASOC. PROF. 69- ASST. V. PRES. ACAD. AFFAIRS, 70- Polit. Sci. Assn. American political institutions and processes; public policy making in the American scene focusing on law enforcement policy at the municipal level. Publ: Co-auth. An act of Congress, Norton, 69; auth. Americanizing the war in Vietnam: Presidential decision-making, In: American political institutions and public policy, Little, 69; co-auth. The police and politics, In: The police in urban society, Russell Sage, (in press). Address: Dept. of Political Science, University of Minnesota, Minneapolis, Minn. 55455.
- EINHORN, DR. CARL M(URRAY). Counseling Psychology. See A-K Vol, 11th ed, Soc. & Behav. Vols. New information: Also dir. counseling & psychol. serv., Newark State Col, 69- Address: 44 Yorktown Rd, East Brunswick, N.J. 08816.
- EINSPAHR, DR. MARTIN H(ARLEY). Psychology. See A-K Vol, 11th ed, Soc. & Behav. Vols. New information: No longer govt. loans adv. Fullerton Jr. Col, 321 E. Chapman Ave, Fullerton, Calif. 92634.
- EINSTADTER, DR. WERNER J(ULIUS), b. Nuremberg, Germany, Apr. 8, 29; U.S. citizen; m. 50; c. 3. CRIMINOLOGY, SOCIOLOGY. A.B., California, Berkeley, 52, M.Crim, 60, D.Crim, 66. Group superv. youth guid. City & County of San Francisco, 52-54, adult probt. officer, 54-57; superv. counseling prog, San Quentin Prison, Calif., 57-61; instnl. rep. to parole bd, Calif. Dept. Corrections-Calif. Med. Facility, Vacaville, 61-62, superv. center for study violent offenders, 62-64; superv. parole unit, Judge Crittenden Center, Oakland, 64-65; Nat. Inst. Ment. Health spec. fel. criminal, California, Berkeley, 66-67; asst. prof. SOCIOL., Calif. State Col. Hayward, 67; ASOC. PROF. EASTERN MICHIGAN, 67- U.S.M.C.R. 50. Am. Sociol. Assn. Soc. Study Soc. Probs; Am. Soc. Criminol.; Int. Soc. Criminol. Problems of etiology in criminology and deviance in the social and historical perspective; sociology of corrections. Publ: The hangman's fear, Issues Criminol, fall 65; The social organization of armed robbery, Soc. Probs, summer 69. Address: 3308 Tacoma Circle, Ann Arbor, Mich. 48104.
- EISELEIN, DR. EDDIE BILL, b. Pensacola, Fla. Dec. 31, 42; m. 62; c. 1. SOCIAL ANTHROPOLOGY. B.A., Montana, 65; M.A., Arizona, 67, Ph.D.(anthrop.), 69. Res. assoc. water resource develop, ARIZONA, 67-69, RES. SPECIALIST MEXICAN-AM. TV, 69- Mem. screening com. Migrant Opportunity Prog, 69- Fel. Anthropol. Assn. Soc. Appl. Anthropol. Soc. Sci. Study Sex. Urban-industrial social systems; deviant behavior; median Mexican-American television programming. Publ: The American nudist camp, Sexology, 2/70. Address: KUAT-TV, University of Arizona, Tucson, Ariz. 85721.
- EISELEN, DR. ELIZABETH. Geography. See A-K Vol, 11th ed, Soc. & Behav. Vols. New information: No longer with Nat. Coun. Geog. Ed. Address: 421 N. Oak Park, Oak Park, Ill. 60302.
- EISENBERG, PROF. RALPH. Political Science. See A-K Vol, 11th ed, Soc. & Behav. Vols. New position: Assoc. dir. 69-; Institute of Government, University of Virginia, 207 Minor Hall, Charlottesville, Va. 22903.
- EISENMAN, DR. RUSSELL, b. Savannah, Ga. Apr. 17, 40; m. 64; c. 1. PSYCHOLOGY. B.A., Oglethorpe, 62; M.S., Georgia, 63, Ph.D.(psychol), 66. Asst. prof. PSYCHOL, TEMPLE, 66-69; ASOC. PROF. 69- Temple trustees grants, 66-69; res. assoc. Hahnemann Med. Col, 67-69; Soc. & Rehab. Serv., Dept. Health, Ed. & Welfare grant, 69-72. Psychol. Assn. Personality re-

- search, especially in the area of personality-social; creativity; birth order. Publ: Creativity, awareness, and liking. *J. Consult. & Clin. Psychol.* 69; The psychology of modern art. In: *New outlooks in psychology*. Philos. Libr. 69; Values and attitudes in adolescence. In: *Understanding adolescence*. Allyn & Bacon, 69. Address: Dept. of Psychology, Temple University, Philadelphia, PA 19122.
- EISENMENGER, DR. R(ROBERT) W(ALTZ). Economics. See A-K Vol. 11th ed, Soc. & Behav. Vols. New position: Sr. v-pres., 69-, Federal Reserve Bank of Boston, 30 Pearl St, Boston, Mass. 02106.
- EISENSTADT, PROF. ARTHUR A. b. New York, N.Y., Jan. 23, 18; m. 40; c. 3. SPEECH. A.B. Brooklyn Coll. 38. M.A., 46; fel. Cornell 47-48; Ph.D.(rhet. path), N.Y. Univ. 54. Tutor speech, ev. sch. Brooklyn Coll. 45-46; asst. prof. Rutgers, 48-55; speech consult. Newark Bd. Ed. 55-63; PROF. SPEECH PATH. & DIR. SPEECH CENTER, ST. JOHN'S (N.Y.), 63-. Speech clinician, Bellevue Hosp. 54; Fulbright teaching award, London, Eng. 59-60; Shell Found. res. award, 68-. Book ed. *Today's Speech*, Speech Assn. East. States, 53-57; Ed-in-charge, *J. N.J. Speech & Hearing Assn.* Speech Assn. Am. (consult. ed. Speech Teacher, 54-57); Speech & Hearing Assn. Speech education methodology; prognostic speech measurement techniques; maxillo-facial anomalies; lingual-thrust and associated speech disorders; inter-disciplinary speech rehabilitation. Publ: Speech patterns of vision-less children, New Beacon, 5/60; Professional nomenclature, *J. N.J. Speech & Hearing Assn.* 2/53; co-auth. chap. 18, In: *Marital counseling*, C.C. Thomas, 67. Address: Dept. of Speech, St. John's University, Grand Central Pkwy. & Utopia Pkwy, Jamaica, N.Y. 11432.
- EISNER, DR. HOWARD. Electrical Engineering, Operations Research. See Suppl. V to 11th ed, Phys. & Biol. Vols.
- EKVALL, ROBERT BRAINERD. Anthropology. See A-K Vol. 11th ed, Soc. & Behav. Vols. New position: Res. assoc., 69-, Dept. of Anthropology, University of Washington, Seattle, Wash. 98105.
- EL-ASSAL, DR. MOHAMED M. b. Touth, Egypt, Sept. 20, 29; U.S. citizen; m. 66. SOCIOLOGY. Dipl. art & hist. Col. Appl. Arts, Egypt, 50; dipl. ed. Inst. Ed. Egypt, 51; M.S. Indiana, Bloomington, 57, M.A., 62, Ph.D.(sociol.), 67. Instr. ed. Teacher's Inst. Egypt, 55-56; res. assoc. res. dept. Ministry Ed., 59-60; teaching assoc. sociol. & field dir. dept. radio & tv, Indiana, Bloomington, 63-64, prof. dir. inst. soc. res., 64; Instr. sociol. Kentucky, 64-67; asst. dir. inst. adv. ed. media, 65-66; asst. prof. SOCIOL. SAN DIEGO STATE COL., 67-69. ASSOC. PROF., 69-. Sociol. Assn; Acad. Polit. & Soc. Sci. Social psychology, particularly mass communication and opinion leadership; behavior exchange and personal influence; small groups, particularly the family. Address: Dept. of Sociology, San Diego State College, San Diego, Calif. 92115.
- EL-AYOUY, DR. YASSIN, b. Kanayat, Egypt, Apr. 14, 28; m. 59. POLITICAL SCIENCE. B.S. Trenton State Col. 53; M.A. Rutgers, 54, Louis Biever fel. 54-55; Ph.D.(int. orgn.), N.Y. Univ. 66. SECY. BD. TRUSTEES & CHIEF DE CABINET, UN INST. TRAINING & RES. N.Y., 65-; ADJ. ASSOC. PROF. AFRICAN & M. EAST. STUDIES, CENTER FOR AFRICAN STUDIES, ST. JOHN'S (N.Y.), 66-. POL. Sci. Assn. Int. Law. Revolutionary movements and one party states in North and East Africa and in the Middle East; regional organization in Africa and the Middle East. Address: United Nations Institute for Training & Research, 801 United Nations Plaza, New York, N.Y. 10017.
- ELAZAR, PROF. DANIEL J(UDAH). Political Science. See A-K Vol. 11th ed, Soc. & Behav. Vols. New publ: *Cities of the Prairie*, Basic Bks, 69; Cooperation and conflict: a reader in American federalism, Peacock Press, 69; *Ha mishtar ha federali b'artzot ha brit: mekorot v'maamarim*, Academic, Vols. I & II, 69. Address: Center for the Study of Federalism, Temple University, 1947 N. Broad St, Philadelphia, PA. 19122.
- EL-BEHARY, DR. MOHAMED M. b. Oct. 30, 31; U.S. citizen; m. 59; c. 2. POLITICAL SCIENCE. B.A. Cairo, 54, M.A. Minnesota, 56; scholar, Ohio State, summer 59, Ph.D.(polit. sci.), 61. Instr. POLIT. SCI., Defiance Col., 61-62; asst. prof. 62-63; STATE UNIV. N.Y. COL. BUFFALO, 63-64, assoc. prof. 64-65; PROF. 65-, chmn. dept. 66-69. Vis. prof. American Univ. Cairo, 69-70; dir. acad. travel prog. in Middle East, State Univ. N.Y., summer 65. Polit. Sci. Assn. International affairs, especially in the Middle East. Address: 1300 Elmwood Ave., Buffalo, N.Y. 14222.
- ELBING, PROF. ALVAR OLIVER, JR. Business Administration. See A-K Vol. 11th ed, Soc. & Behav. Vols. New information: Vis. prof. orgn. behav. Mgt. Develop. Inst. Lausanne, Switzerland, 70-71. New publ: *Behavioral decisions in organizations*, Scott, 70. Address: P.O. Box 1059, 1001, Lausanne, Switz.
- ELDER, PROF. ROBERT E(LLSWORTH). International Relations. See A-K Vol. 11th ed, Soc. & Behav. Vols. Publ: *Information machine: the United States Information Agency and American foreign policy*, Syracuse Univ. 68 (title change). Address: Dept. of Political Science, Colgate University, Hamilton, N.Y. 13346.
- ELEFSON, PROF. (RICHARD) VERN, b. Bovina, Colo., Aug. 4, 30; m. 55; c. 5. LAND ECONOMICS. B.S. Missouri-Columbia, 53; Ph.D.(land econ), Minnesota, 55. Instr. econ. Minnesota, 57-60; PROF. AGR. ECON. WIS. STATE, RIVER FALLS, 66-. U.S.A., 53-55; Agr. Econ. Assn. Agricultural finance. Publ: Co-auth., *Transferring farms with land contracts*, Minn. Agr. Exp. Sta. 61; auth. *The rediscunt market for land contracts*, Land Econ. 60. Address: Dept. of Agricultural Economics, Wisconsin State University, River Falls, Wis. 54022.
- ELEK, DR. PETER S. b. Budapest, Hungary, Jan. 19, 22; U.S. citizen; m. 63; c. 4. ECONOMICS. B.A. Palestine Joseph Univ. Hungary, 43, Ph.D.(econ), 45; Cambridge, 49-50. Consult. economist, Blue Cross Greater Phila., 62; ASSOC. PROF. ECON. VILLANOVA, 64-. Econ. Assn; Asn. Adv. Slavic Stud.
- ies. Economic reforms and planning; sectorial behaviors in the new economic mechanism; the economic costs of national health service. Address: 1 Rodney Rd, Rosemont, PA. 19010.
- ELIAS, DEAN CLAUDE EDWARD, JR. b. Rock Springs, Wyo., Dec. 15, 24; m. 70. BUSINESS ADMINISTRATION. B.A., Wyoming, 49, M.A., 50; Ph.D.(bus. admin), California, Los Angeles, 65. Economist, Union Bank of Los Angeles, 65-66; dir. bur. bus. res., Arizona State, 66-67; asst. prof. finance, Southern California, 67-69; DEAN SCH. BUS. FRESNO STATE COL., 69-. Finance Assn. Urban land economics; real estate finance. Publ: Co-auth., *Metropolis: values in conflict*, Wadsworth, 63. Address: School of Business, Fresno State College, Fresno, Calif. 93726.
- ELIAS, DR. MERRILL F(RANCIS). Experimental Psychology. See A-K Vol. 11th ed, Soc. & Behav. Vols. New position & address: Fel. 69-, Dept. of Psychiatry, Duke University Medical School, Box 3003, Durham, N.C. 27706.
- ELIASBERG, DR. WLADIMIR G. Psychiatry, Psychology. See 11th ed, Soc. & Behav. Vols., deceased 69.
- ELINSON, DR. J(ACK). Social Psychology. See A-K Vol. 11th ed, Soc. & Behav. Vols. New position: Prof. sociomed. sci., Columbia, 69-. Address: 560 Riverside Dr, New York, N.Y. 10027.
- EL-KAMMASH, DR. MAGDI M. Economics, Applied Statistics. See A-K Vol. 11th ed, Soc. & Behav. Vols. Change of address: 3108 Beaufort St, Raleigh, N.C. 27609.
- ELLING, DR. KARL ALWIN, b. Hannover, Germany, Mar. 10, 35; m. 58; c. 2. MARKETING MANAGEMENT. B.S. Utah, 60, M.S., 62; dipl. mkt. mgt., European Inst. Bus. Admin., 61; M.A. (psychol. admin), N.Y. Univ. 65. Asst. prod. mgr., Planet Film Co. 52-55; res. asst. econ. psychol., Utah, 59-61. N.Y. Univ. 59-62; instr. statist. mkt. City Univ. New York, 63-65; asst. prof. mgt. psychol., N.Y. Univ. 65-67; ASSOC. PROF. QUANT. METHODS, ST. JOHN'S (N.Y.), 68-. State Tech. Serv. Bur. grant, 67. Consult. Bronx Bus. Develop. Corp., 65, U.S.A., 55-58. Mkt. Assn; Mgt. Assn; Personnel & Guid. Assn; Nat. Voc. Guid. Assn. Development of domestic and international economic models and personnel systems. Publ: *Introduction to modern marketing*, 69 & co-auth., *Marketing projects and problems*, 69, Macmillan; auth., *Personnel systems*, New Century, 71. Address: Dept. of Quantitative Methods, St. John's University, Jamaica, N.Y. 11432.
- ELLIOTT, DR. CHARLES FOX. Political Science. See A-K Vol. 11th ed, Soc. & Behav. Vols. New position: Assoc. prof. polit. sci. & int. affairs, 69-, Institute for Sino-Soviet Studies, George Washington University, Washington, D.C. 20006.
- ELLIOTT, DR. DAVID H(ENRY), b. Dalton, Ga., Nov. 5, 42; m. 66. SOCIOLOGY, ANTHROPOLOGY. B.A. & Ford Fel. Yale, 64; Mellon fel. & Ph.D. (sociol.), Pittsburgh, 68. Prof. dir. sociol. Learning Res. & Develop. Center, Pittsburgh, 64, 66-68; ASST. PROF. SOCIOL. & ANTHROP. DALHOUSIE, 68-. Can. Nat. Health & Can. Coun. grants, 69-. Am. Anthropol. Assn; Am. Sociol. Assn; Can. Sociol. & Anthropol. Assn. Computer simulation in anthropology research; research methodology; cross-cultural research; sociology of leisure. Publ: Co-auth., *Poverty and educational deprivation*, Learning Res. & Develop. Center, Pittsburgh, 68; auth., *Computer simulation of age grading systems among the Konso of Ethiopia*, Am. Anthropol. Assn, 69. Address: Dept. of Sociology & Anthropology, Dalhousie University, Halifax, N.S., Can.
- ELLIOTT, DR. EARL S(AUNDERS), JR. b. St. Joseph, Mo., June 29, 26; m. 49; c. 2. EDUCATIONAL PSYCHOLOGY, GUIDANCE. B.S. Kansas State, 40, M.S. 54; Ed.D.(ed. psychol. guid), Kansas, 67. Teacher, pub. schs. Kans., 50-62; prin. 62; asst. to dean men & coordinator scholar. halls, Kansas, 62-64; couns. P.A. STATE, Mont Alto Campus, 64-66; asst. prof. & dir. counseling center, Capitol Campus, 66-69, ASST. TO DEAN SPEC. PROJ. & ASST. PROF. HUMAN DEVELOP. COL. HUMAN DEVELOP., 70-. Asst. prof. Univ. Center Harrisburg, 66-69. Consult. Harrisburg State Hosp., 69-. U.S.A. F. 44-46. Psychol. Assn; Personnel & Guid. Assn; Nat. Voc. Guid. Assn. Counseling psychology; mental health. Publ: *Four year and two year engineering students: a comparison of abilities*, *J. Counseling Psychol.* 15: 279-283; *Counseling status and academic achievement of college freshman*, *Personnel & Guid. J.* 12/68. Address: College of Human Development, Pennsylvania State University, University Park, PA. 16802.
- ELLIOTT, DR. JEAN LEONARD, b. New York, N.Y., Sept. 7, 41; m. 66. SOCIOLOGY. B.A. Welles Col., 58; M.A. Kansas, 65; Ph.D.(sociol.), Pittsburgh, 68. ASST. PROF. SOCIOL. DALHOUSIE, 68-. Sociol. Assn. Medical sociology; minority groups. Publ: Ed. *Minority Canadians*, Prentice-Hall, Can. 70. Address: Dept. of Sociology & Anthropology, Dalhousie University, Halifax, N.S., Can.
- ELLIOTT, PROF. RICHARD M(AURICE). Psychology. See 11th ed, Soc. & Behav. Vols., deceased 69.
- ELLIOTT, DR. SEAN MICHAEL. Political Science. See A-K Vol. 11th ed, Soc. & Behav. Vols. New information: Consult. economist, Fed. Home Loan Bank of Boston, 69-. sr. assoc. joint center urban studies, Harvard-Mass. Inst. Tech., 70-. Address: Federal Home Loan Bank of Boston, P.O. Box 2196, Boston, Mass. 02106.
- ELLIOTT, DR. WARD, b. Cambridge, Mass., Aug. 6, 37; m. 69. POLITICAL SCIENCE. A.B. Harvard, 59, Nat. Sci. Found. fel. 64-66, fel. 66-68, M.A. & Ph.D.(polit. sci.), 68; LL.B. Virginia, 64. Law assoc. Covington & Burling, Wash. D.C., 64; ASST. PROF. POLIT. SCI., CLAREMONT MEN'S COL., 68-, FEL. & DIR. HENRY SALVATORI CENTER, 68-. Mem. Nat. Ad Hoc Cmt. to End Indust. Revolution, 69-. U.S.A., 59-61, 1st Lt. Polit. Sci. Assn. Aid to Egypt; guilt; tax law; control of air pollution; population and policy; political modernization and change; military studies; voting rights and the Supreme

- Court; sociology of intellectual knowledge. Pub. The Peacock Syndrome: barriers to economic development in Egypt. Pub. Policy, 15, 212; Guilt and overguilt: some reflection on moral stigmatism and paralysis, *Ethics*, 78: 247; Prometheus, Proteus, Pandora, and Procrustes unbound: the political consequences of reapportionment, Univ. Chicago Law J., 70. Address: Pitzer Hall, Claremont Men's College, Claremont, Calif. 91711.
- ELLIS, PROF. CARROLL BROOKS. Speech, Religion. See 5th ed, Dir. Am. Scholars, Vol. II, Eng, Speech & Drama.
- ELLIS, PROF. FREDERICK (EUGENE). Hist. & Philos. of Educ, see 5th ed, Dir. Am. Scholars, Vol. IV, Philos, Relig. & Law.
- ELLIS, PROF. JAMES EDWARD, b. Wichita, Kans, Aug. 26, 24; m. 46; c. 4. BUSINESS MANAGEMENT. B.S. Wichita State, 48; M.S. Colorado, 60. Mgt. trainee, Fox Vliet Wholesale Drug Co., 48-50; prod. control trainee, Air Mat. Command, Tinker Air Force Base, U.S. Air Force, 50-51, chief budget dir., 51-52, suprv. budget analyst, 52-57, chief acct, Hq. Air Defense Command, 57-58, sys. acct, 58-59; asst. prof. MKT. & MGT. OKLAHOMA CITY UNIV., 62-66, ASSOC. PROF., 66-, mkt. & mgt. M.B.A. prog., 66-69. U.S.A.F., 43-52, Res. 52-, Lt. Col. Mgt. Asst.; Soc. Adv. Mgt.; Acad. Mgt.; Mkt. Asn. Organizational and consumer behavior; organization theory; management theory; social responsibility and ethics of business; marketing theory. Address: 4632 N.W. 61, Oklahoma City, Okla. 73122.
- ELLIS, DR. NEWTON CASS. Experimental Psychology. See A-K Vol, 11th ed, Soc. & Behav. Vols. New position: Asst. prof. ind. eng, Texas A&M, 69-. Address: 3702 Oak Ridge Dr., Bryan, Tex. 77801.
- ELLIS, PROF. ROBERT (ARTHUR). Sociology. See A-K Vol, 11th ed, Soc. & Behav. Vols. New position & address: Prof. & chmn., 70-, Dept. of Sociology, University of Maryland, College Park, Md. 20742.
- ELLISON, DR. DAVID LEE. Sociology. See A-K Vol, 11th ed, Soc. & Behav. Vols. New position: Assoc. res. prof., 70-, Graduate School of Public Health, University of Pittsburgh, Pittsburgh, Pa. 15213.
- ELLS, DR. JERRY G. b. Bigfork, Minn, Sept. 14, 39; m. 59; c. 2. PSYCHOLOGY. B.A. Fresno State Col, 64; Nat. Defense Ed. Act fel, Oregon, 65-68, M.A., 66, Ph.D. (psychol.), 69. Social worker, Fresno County Dept. Welfare, 64-65; res. asst. PSYCHOL., Univ. Oregon, 66-69; ASST. PROF., CALGARY, 69-. Nat. Res. Coun. Can. grant, 69-. U.S.N., 57-60; Res. 60-63, Experimental motor skills. Pub. Cooperation and the variation of payoff in non-zero-sum games, *Psychonomic Sci*, 66; Motivational determinants of choice in chicken and prisoner's dilemma, *J. Conflict Resolution*, 68. Address: Dept. of Psychology, University of Calgary, Calgary, Alta. Can.
- ELLSWORTH, DR. JOHN WILLIAM. Political Science. See A-K Vol, 11th ed, Soc. & Behav. Vols. New information: Also asst. dean res., 69-, School of Graduate Studies & Research, Office of Research & Projects, Southern Illinois University, Edwardsville, Ill. 612025.
- ELLSWORTH, PROF. ROBERT ALDEN, b. Morrisville, Va., Oct. 7, 07; m. 37. POLITICAL SCIENCE. A.B. N.Y. Univ., 37; M.A. Columbia, 41. Econ. Analyst, Brooklyn Edison Co., 35-40; Ed. Econ. Warfare, 42-43; instr. int. rels, Princeton, 46-47; adm. Sch. Int. Affairs, 47-49; polit. & econ. analyst, U.S. Govt., 49-54; assoc. prof. POLIT. SCI., JOHNSON STATE COL., 57-60, PROF., 60-, CONVENOR, SOC. SCI. DIV. & CHMN. DEPT. HIST., 68-, CHMN. DEPT. POLIT. SCI., 69-. V-pres, Vt. Coun. World Affairs, 66-72. U.S.N., 42-46, Lt. Comdr. Polit. Sci. Asn; Acad. Polit. & Soc. Sci. Pre-Columbian history, especially Maya, Inca and Aztec civilizations. Address: 12 Congress St., Morrisville, Vt. 05661.
- EL-MELIGI, DR. ABDEL-MONEIM A. b. Egypt, Nov. 2, 23; m. 54; c. 3. PSYCHOLOGY. B.A., Alexandria, 43; Dipl. Ed. Ain-Shams, Cairo, 45; M.A., Cairo, 51; Tavistock Inst. Human Rel., London, 52-54, summers 59, 61; Ph.D. (psychol.), London, 54. Teacher high sch, Cairo, 45-49; lectr. psychol, col. ed. Ain-Shams, Cairo, 49-51, 55-60; assoc. prof. clin. psychol., 60-61; psychol. State Univ. N.Y. New Paltz, 60-61; assoc. dir. Psychol. serv. & res. center, N.J. Neuropsychiat. Inst., 62-66; dir. psychol. Pinehaven Sanitarium, Bayville, N.J., 66-67; RES. SCIENTIST, BUR. RES. IN NEUROL. & PSYCHIAT., N.J. Neuropsychiat. INST., 67-. Lectr., Douglas Col., Rutgers, 63, vis. prof. col. arts & sci., 63-67, suprv. training in sch. psychol., grad. sch. ed., 64-66. Consult., Camner Clin., Belle Mead, N.J., 65-; mem. adv. bd. psychol. sect. Am. Schizophrenia Found., 66-. Am. Psychol. Asn; assoc. Brit. Psychol. Soc.; Egyptian Asn. Psychol. Studies; fel. Int. Coun. Psychol.; Brit. Rorschach Forum & Soc. Projective Tech. Psychology of schizophrenia; patterns of suicide; violence as a function of perceptual anomalies; learning disorders in mental illness; problems of communication between the individual and cross-cultural research. Pub. Co-auth., The schizophrenias: yours and mine, Pyramid Books, 70 & Manual for the clinical use of the experiential world inventory, Mens Sana Pub., 70; auth., The Experiential world inventory: a non-projective aid for the Rorschach, In: Proceedings of the international congress of Rorschach and other projective techniques, Hans Huber, Bern, 70. Address: Bureau of Research in Neurology & Psychiatry, New Jersey Neuropsychiatric Institute, Princeton, N.J. 08540.
- ELMORE, DR. THOMAS MORRIS, b. Wilson, N.C., Dec. 28, 26; m. 56; c. 3. PSYCHOLOGY, EDUCATION. B.A., Wake Forest, 56; M.A., George Peabody Col., 57; Ph.D. (psychol.), Ohio State, 62; summer, Minnesota, 68. Teacher, high sch, N.C., 56; couns., 56-60; N.C. State, 57-59; asst. prof. COUNSELING PSYCHOL., DEPT. ED., WAKE FOREST, 62-67, ASSOC. PROF., 67-, DIR. COUNSR. ED. & COUNSR. TRAINING, 70-, dean students, 62-70. Nat. Defense Ed. Act Counseling & Guid. Training Inst., N.C. State, summer 59. U.S.N., 44-46. Psychol. Asn; Personnel & Guid. Asn. Psychological anomalies: Counseling psychology. Pub. The development of a scale to measure psychological anomie, 65 & Anomie, personality and existential neurosis, 67, Am. Psychol. Asn. Proc. Address: Dept. of Education, Box 7266 Reynolds Station, Wake Forest University, Winston-Salem, N.C. 27109.
- ELONEN, PROF. ANNA (SIVIA). Psychology. See A-K Vol, 11th ed, Soc. & Behav. Vols. New information: Consult. prog. dir., lang. for the deaf child through parent ed. proj., Mott Found., 69-. Address: 2460 Glacier Way, Ann Arbor, Mich. 48105.
- ELVEKROG, DR. MAURICE OLIVER. Psychology. See A-K Vol, 11th ed, Soc. & Behav. Vols. New information: Independent consult. psychologist, 69-. Address: 200 Elm St., Birmingham, Mich. 48008.
- ELWELL, PROF. HARRY H(OWARD), JR. Marketing. See A-K Vol, 11th ed, Soc. & Behav. Vols. New position & address: Prof. mkt., 69-, College of Business Administration, Memphis State University, Memphis, Tenn. 38111.
- EMANUEL, DR. FLOYD W(ESLEY), b. Tulsa, Okla., Aug. 29, 31; m. 52; c. 2. COMMUNICATION DISORDERS. B.A., New Mexico, 53, M.A., 57; Ph.D. (speech path), Oklahoma, 63. Asst. prof. COMMUN. DISORDERS, UNIV. OKLAHOMA MED. CENTER, 63-68, ASSOC. PROF., 68-, coordinator, Cleft Palate Clin., 60-67. U.S.N., 53-56, Lt.(g). Speech & Hearing Asn; Acoustical Soc. Am. Acoustic and physiologic aspects of speech and voice production. Pub. Co-auth., Some spectral features of normal and simulated rough vowels, *Folia Phoniat*, 21: 401-415. Some characteristics of oral and nasal air flow during plosive consonant production, *Cleft Palate J.*, 7: 249-260 & Spectral noise levels and roughness severity ratings for normal and simulated rough vowels produced by adult females, *J. Speech & Hearing Res.* (in press). Address: Dept. of Communication Disorders, University of Oklahoma Medical Center, 825 N.E. 14th St., Oklahoma City, Okla. 73104.
- EMCH, DR. ARNOLD F. Philosophy. See 5th ed; Dir. Am. Scholars, Vol. IV, Philos, Relig. & Law.
- EMENHISER, DR. JEDON A(LLEN). Political Science. See A-K Vol, 11th ed, Soc. & Behav. Vols. New position: Prof. polit. sci., Utah State, 69-, chmn. dept., 68-. Address: Dept. of Political Science, Utah State University, Logan, Utah 84321.
- EMERICK, DR. LONNIE L. b. Detroit, Mich., Jan. 4, 33; m. 58; c. 2. SPEECH PATHOLOGY. B.A., Mich. State, 56, M.A., 59, Ph.D. (speech path), 66. Vis. instr. speech path, West Virginia, summer 61; asst. prof. SPEECH PATH. & AUDIOL., Moorhead State Col., 61-65; ASSOC. PROF., NORTHERN MICHIGAN, 65-, DR. SPEECH & HEARING CLIN., 67-, summer res. grant, 68. Consult. Vet. Admin. Hosp., Fargo, N.Dak., 61-65. Mem. bd. dirs. Coun. Adult Stutterers. Speech & Hearing Asn. Stuttering; aphasia; interviewing. Pub. Extension definition and attitude toward stuttering, *J. Speech & Hearing Res.*, 3: 181-186; Therapy for young stutters, *Exceptional Children*, 31: 398-402; Bibliotherapy for stuttering: four case histories, *Quart. J. Speech*, 52: 74-79. Address: Dept. of Speech, Northern Michigan University, Marquette, Mich. 49855.
- EMERSON, PROF. M(ORELLE) JARVIN, b. Watertown, S.Dak., Apr. 22, 35; m. 58; c. 4. ECONOMICS. B.A., Luther Col., 57; M.A., Iowa, 60, Ph.D. (econ), 63. Asst. prof. ECON., Baker, 60-62; asst. prof. KANSAS STATE, 62-66, assoc. prof., 66-69, PROF., 69-. Nat. Sci. Found. res. grant, 65-66. Consult., Southwest, Bell, 65-66. State of Tex., 69. Chief economist, Kans. Off. Econ. Anal., 69-. Econ. Asn. Regional and urban economic development; input-output models; interregional trade flows; population and economic growth; econometric models of subnational economics. Pub. The interindustry structure of the Kansas economy, Kansas, 69; Annual economic report of the governor, State of Kans., 69, co-auth., Toward a dynamic export matrix, *Ann. Regional Sci.*, 69. Address: Dept. of Economics, Kansas State University, Manhattan, Kans. 66502.
- EMERSON, DR. PHILLIP LEE, b. Wilbur, Wash., Feb. 7, 31; m. 67; c. 2. PSYCHOLOGY. B.S., Washington State, 59, M.S., 63, Ph.D. (psychol.), 65. Fel. behav. res. ment. health res. inst., Michigan, 65-68; ASST. PROF., CLEVELAND STATE, 68-; U.S.A.F., 53-58, S/Sgt. Sensation and perception; mathematical models of information theory; statistics. Pub. Numerical comparison of orthogonal polynomials from a general recurrence formula, *Biometrics*, 68; Measurement of low signal suppression and other parameters of the forced-choice psychometric function, *Perception & Psychophysics*, 5: 2-6; Simple reaction time with Markovian evolution of Gaussian discriminial processes, *Psychometrika*, 35: 99-109. Address: Dept. of Psychology, Cleveland State University, Cleveland, Ohio 44115.
- EMERY, DR. ALAN ROY. Ichthyology, Marine Sciences. See Suppl. V to 11th ed, Phys. & Biol. Vols.
- EMORY, DR. SAMUEL THOMAS. Geography. See A-K Vol, 11th ed, Soc. & Behav. Vols. New position: Prof., 69-, Dept. of Geography, Mary Washington College, Fredericksburg, Va. 22401.
- ENDLER, DR. NORMAN S(OLOMON). Psychology. See A-K Vol, 11th ed, Soc. & Behav. Vols. New information: Also dir., 68-, Graduate Programme in Psychology, York University, Downsview, Ont., Can.
- ENDS, DR. EARL JAMES. Psychology. See A-K Vol, 11th ed, Soc. & Behav. Vols. Change of address: 10001 Farrallone Ave, Chatsworth, Calif. 91311.
- ENGEL, DR. JAMES FRANKLIN). Political Science, International Relations. See A-K Vol, 11th ed, Soc. & Behav. Vols. New information: Assoc. prof. gov't, South Dakota, 69- consult. Pan Am. Develop. Corp. Address: Dept. of Government, University of South Dakota, Vermillion, S.Dak. 57069.
- ENGEL, JULIEN, b. Antwerp, Belgium, Sept. 6, 33; U.S. citizen. PUBLIC ADMINISTRATION. B.A., Princeton, 54; M.A., Oxford, 56. Ed. assoc. Intercom, For. Policy Asn., N.Y. 59; sr. officer French-speaking Africa, African Am. Inst., 60-64, dir. African training prog., 64-66; prfnl. assoc. Sci. Orgn. Develop. Bd. OFF. FOR SECY. NAT. ACAD. SCI., 66-68, DEP. DIR., BD. SCI. & TECH. FOR INT. DEVELOP., 68- U.S.A., 56-58. AAAS; African Studies Asn; Int. Studies Asn. Aspects of economic development, particularly technical assistance process, education and training, role of science

- GOVT. & BUS. MINNESOTA, MINNEAPOLIS, 66-70, ASSOC. PROF., 70-CONSULT, ATTORNEYS GEN. Mich., Ill., Calif. & Wis. Bleacher antitrust cases, 64-66; Attorneys Gen. Mich., Minn., Iowa, Wis. & Ill. rock salt antitrust cases, 68-69; Ohio Turnpike Cmn. rock salt antitrust cases, 69; Attorneys Gen. Minn., Wis. & N.Dak. struct. steel antitrust case, 69- Am. Econ. Assn.; Royal Econ. Soc. Industrial organization: structure, conduct and performance in American industry: public policies toward business. Publ. Costs and conspiracy: the use of cost data in private antitrust litigation, Antitrust Bull, 69; The economics of price fixing, spring 69 & Dissolution and treble-damages in private antitrust, (in press), J. Antitrust Laws & Econ. Address: School of Business Administration, University of Minnesota, Minneapolis, Minn. 55455.
- ERICKSON, DR. CARL J. b. Fitchburg, Mass., Aug. 25, 37; m. 62; c. 1. PSYCHOLOGY, ANIMAL BEHAVIOR. A.B. Clark, 59; Harvard, 60-61; Nat. Insts. Health fel., Rutgers, 63-65, Ph.D.(psychol), 66. Nat. Insts. Health fel. zool, Groningen, 65-66; ASST. PROF. PSYCHOL, DUKE, 66- U.S.A.R., 60-66. AAAS; Psychonomic Soc; Animal Behav. Soc. Neural and endocrine basis of social interaction of animals. Publ: Co-auth. Effect of castration of male ring doves upon ovarian activity of females, J. Comp. Physiol. Psychol., 64. Address: Dept. of Psychology, Duke University, Durham, N.C. 27706.
- ERICKSON, DR. DUANE EDWARD, b. Fergus Falls, Minn., Dec. 3, 31; m. 53; c. 4. AGRICULTURAL ECONOMICS, ECONOMICS. B.S., N.Dak. State, 53; M.S., Minnesota, St. Paul, 59, Ph.D.(agr. econ), 62. Instr. pub. sch. dist., N.Dak. 55-57; res. asst. agr. econ, Minnesota, St. Paul, 57-61, exten. econ. omist & instr. farm mgt, 61-62; asst. prof. FARM MGT, ILLINOIS, URBANA, 62-67, ASSOC. PROF. 67-, EXTEN. ECONOMIST, 62- Consist. U.S. Agency Int. Develop. J. Nehru Agr. Univ., India, 68. U.S.A. 53-55, 1st. La. Agr. Econ. Assn; Soc. Farm Mgr. & Rural Appraisers. Economics of livestock production systems, especially economics of confinement beef cattle feeding; farm business planning techniques using computer linear programming. Publ: Co-auth. Summary of Illinois farm business records-commercial farms: production costs, income, investments, 6/63 & Making profitable farm business changes through education, 4/67, Univ. Illinois Coop. Exten. Serv.; auth. Role of Illinois test demonstration farm program in farm management extension education activities, J. Farm Econ., 12/66. Address: 303 Mumford Hall, University of Illinois, Urbana, Ill. 61801.
- ERICKSON, DR. EUGENE C(URTISS), b. Enderlin, N.Dak., Oct. 25, 30; m. 53; c. 5. SOCIOLOGY. B.S., N.Dak. State, 53, M.S., 56, Ph.D.(sociol), Minn. State, 62. Instr. rural social, Washington State, 61-62, asst. prof. social, 63-67; ASSOC. PROF. RURAL SOCIOLOGY, CORNELL, 67- Asst. rural sociologist, Washington State, 62-67; vis. prof., W.Pakistan Agr. Univ., 64-66. Consult, west. regional div., Am. Pub. Health Serv., 62-64; mem., Adv. Cmt. for Comprehensive State Wide Planning, U.S. Rehab. Serv., 67-69; participant, Sci. & Tech. Seminar, 68. Sociol. Assn; Rural Social. Soc; Anthropol. Assn; Soc. Appl. Anthropol. Community and regional development, especially community and regional leadership systems and structure and distribution of power; dynamics of community and regional development and modes of individual and small group decision making. Publ: Co-auth. Institutions and occupational representations in eleven community influence systems, 6/61 & The reputational technique as a measure of community power: an evaluation based on comparative and longitudinal studies, 6/62, Am. Sociol. Rev.; auth. Social characteristics of agricultural innovators in two Punjabi villages in West Pakistan, Rural Sociol., 12/67. Address: Dept. of Rural Sociology, Cornell University, Ithaca, N.Y. 14850.
- ERICKSON, DR. FREDERICK DAVID, b. Rhinelander, Wis., Nov. 12, 41. EDUCATION, ANTHROPOLOGY. B. Mus., Northwestern, 63, M. Mus., 64, Ph.D. (ed. admin. & anthrop), 69. Mem. staff. appl. anthrop. & ed. Sears-Roebuck YMCA, Chicago, 66-69; PROF. ED. ILLINOIS, CHICAGO CIRCLE, 68-; DIR. INTER-ETHNIC COMMUNITY STUDY PROJ., 70- Res. grants, State Found., 64-66, U.S. Off. Ed., 66-68 & Nat. Inst. Ment. Health, 70-73. Consult. race rels. & soc. change, Ill. Cmn. Human Rel., 66-70. Mem. grad. training planning cmt., Coun. Anthropol. & Ed., 70. AAAS; Anthropol. Assn; Ed. Res. Assn. Ethnomusicology; urban anthropology and education; ethnic and institutional styles of language, rhetoric, logic, elocution and non-verbal communication. Publ: Discussion behavior in the black ghetto and in white suburbia, Northwestern Univ., 69; F't get you, honky: a new look at black dialect and the schools, Elem. Eng., 4/69; A new model for urban independent schools, In: New models for public education, Prentice-Hall, 70. Address: College of Education, University of Illinois at Chicago Circle, Box 4348, Chicago, Ill. 60680.
- ERICKSON, DR. KENNETH A. b. Portland, Ore., Jan. 22, 34; m. 54; c. 3. GEOGRAPHY. B.S., Oregon, 56, M.A., 59; Resources for Future fel., California, Berkeley, 62-63, Ph.D.(geog.), 65. Planner, Portland City Planning Cmn., Ore., 58-60; asst. prof. Cont. West. State Col., 63-66, asst. prof. 66; Nat. Acad. Sci. foreign field res. fel., Sweden, 66-67; docent, Uppsala, fall 67; ASSOC. PROF. GEOG., COLORADO, 68- U.S.A., 57, Capt. AAAS; Assn. Am. Geog. Assn. Geog. Soc; Swedish Soc. Anthropol. & Geog. Address: Dept. of Geography, University of Colorado, Boulder, Colo. 80302.
- ERICKSON, ROLAND AXEL. Economics. See A-K Vol. 11th ed., Soc. & Behav. Vols. Change of address: 11 Skyridge Rd, Greenwich, Conn. 06830.
- ERLANDSON, DR. GORDON WHITFIELD, b. Lowry, Minn., Sept. 10, 23; m. 50. AGRICULTURAL ECONOMICS. B.S., Minnesota, 59, M.S., 62, Ph.D.(dairy mkt), 68. Res. asst. AGR. ECON. Minn., 59-65; asst. prof., N.DAK. STATE, 65-69, ASSOC. PROF., 69- Econ. Assn; Agr. Econ. Assn. Fluid milk processing and distributing cost analysis. Address: Dept. of Agricultural Economics, North Dakota State University, Fargo, N.Dak. 58102.
- ERLER, DR. RAYMOND L. b. Streator, Ill., Sept. 24, 37; m. 68. ECONOMICS, MANAGEMENT SCIENCE. B.S.M.E. Bradley, 59; M.B.A., California, Los Angeles, 61, M.A., 66, Ph.D. (bus. admin), 69. Res. engr., N.Am. Rockwell Corp., 59-61; assoc. Planning Res. Corp., 61-64, sr. assoc., 64-67; dir. econ. anal. Int. Develop. Corp., Litton Indust., 67-70; BUS. CONSULT., 70- Consult, Rand Corp., 70- Res. engr., California, Los Angeles, 60-61, assoc. sch. bus.
- 68; asst. prof. sch. bus. San Fernando Valley State Col., 69- Financial and investment analysis. Address: 2415 Nalin Dr, Bel Air, Calif. 90024.
- ERLICK, DR. DWIGHT (EDMUND). Psychology. See A-K Vol. 11th ed., Soc. & Behav. Vols. New position: Dep. chief soc. sci. group, Nat. Bur. Standards, 69- Address: 10104 Little Pond Place, Apt. 4, Gaithersburg, Md. 20760.
- ERON, PROF. LEONARD D. Psychology. See A-K Vol. 11th ed., Soc. & Behav. Vols. New position & address: Prof., 69-, Dept. of Psychology, University of Illinois at Chicago Circle, Chicago, Ill. 60680.
- ERSKINE, DR. HELEN, b. Oyen, Alta, Apr. 22, 16. PSYCHOLOGY. B.A., British Columbia, 48, M.A., 50; Ph.D.(human develop), Chicago, 56. Intern psychol. testing, Jewish Voc. Serv., 56-57; clin. child psychologist, 58-60. Juvenile Res. Ill., 57-60; clin. psychologist, Ill. Inst. Tech., 61-63; asst. prof. Brain Damaged Childrens Center, Johns Hopkins Hosp., 63-64; assoc. prof. psychol., Rhode Island, 64-67; dir. Center Develop. Serv.-Retardation, D.C. Dept. Health, 67; RES. PSYCHOLOGIST, U.S. DEPT. JUSTICE, 68- Clin. psychologist, Ment. Health Clin., Gary, Ind., 60-61. Lectr., exten. dept., Rhode Island, 64-67. Coordinator in serv. training grad. & consult. psychol., Joseph E. Ladd Sch., R.I., 64-67. Med.C., Can. Army, 43-46, Lt. Psychol. Assn. Biological correlates of behavior; relationships at the national level among various human, cultural and crime factors. Publ: Basic facts about retardation, State of Rhode Island, 66. Address: 520 N. St. S.W., Washington, D.C. 20024.
- ERTELL, PROF. MERTON W(ILLIAM). Economics, Industrial Relations. See A-K Vol. 11th ed., Soc. & Behav. Vols. New position: V. chancellor univ. wide activities, State Univ., N.Y. Albany, 69- Address: 2 Monroe Court, Guilderland, N.Y. 12084.
- ERVIN, DR. JEAN CONYERS, b. Morganton, N.C., June 15, 09. SPEECH PATHOLOGY, AUDIOLOGY. B.A., Converse Col., 30; N.C. Sch. for Deaf, 30-31, M.A. Columbia, 42; Ph.D. (speech), Missouri, 50. Teacher, N.C. Sch. for Deaf, 31-32 & 44; S.Dak. Sch. for Deaf, 32-34; Utah Sch. for Deaf, 34-37; N.J. Sch. for Deaf, 37-41; instr. speech, 46-47; asst. dir. speech & hearing center, 44-46; instr. speech, Hawaii, 46-47; Missouri, 47-50; instr. speech path, Connecticut, 50-51, asst. prof., 51-55; dir. speech & hearing clin., 50-55; supvr. speech & hearing, Arlington County Pub. Schs., Va., 55-66; lectr. speech path. & audiol., Virginia, 66-67, ASSOC. PROF. SPEECH & DR. DEAF ED., 67- Assoc. prof. & acting dir. speech & hearing clin., Missouri, 53; assoc. prof. New Haven Teachers Col., 56; lectr., George Washington, 58. Mem. Nat. Conf. on Ed. of Deaf, 67; consult., Va. State Dept. Ed., 68. Speech & Hearing Assn. Programmed instruction in auditory discrimination and in education of hearing impaired, Mark Twain: speechmaker. Publ: Co-auth. Guide to better hearing, Conn. State Dept. Ed., 57 & An automated program in speech therapy, manual and tapes, Inst. Mod. Lang., 66; auth. Speech improvement in the elementary schools, Speech Teacher, 68. Address: Dept. of Speech Pathology & Audiology, University of Virginia, Charlottesville, Va. 22903.
- ERVIN-TRIPP, PROF. SUSAN, b. Minneapolis, Minn., June 29, 27; m. 64; c. 2. PSYCHOLINGUISTICS. B.A., Vassar Col., 49; Margaret F. Washburn fel. & M.A., Michigan, 50, Soc. Sci. Res. Coun. fel., & Ph.D.(social psychol), 55; summers, Harvard, 50, Ling. Soc. Insts., 53-54. Study dir., Bur. Soc. Sci. Res., D.C., 51-53; instr. psychol., Harvard Sch. Ed., 55-58; vis. asst. prof., CA, CALIFORNIA, BERKELEY, 56-59, asst. prof. SPEECH, 59-61, asst. assoc. prof., 64-68, PROF., 68- Grants, Nat. Sci. Found., 59-62, Nat. Insts. Health, 59-63; Soc. Sci. Res. Coun. fel., 64-65; Office Ed. contract, 67-68. Mem. socio-ling. cmt. Soc. Sci. Res. Coun., 66- Psychol. Assn; Ling. Soc. Am. Child language; sociolinguistics. Publ: Imitation and structural change in children's language, 6/64, Study Lang., 64; Language development, In: Vol. 2, Review of child development research, Russell Sage, 66; Sociolinguistics, Advances Exp. Social Psychol., 68. Address: Dept. of Rhetoric, University of California, Berkeley, Calif. 94720.
- ERYASA, DR. YILMAZ. Anesthesiology. See Suppl. VI to 11th ed., Phys. & Biol. Vols.
- ESCH, DR. LYND J. Anthropology, Human Engineering. See A-K Vol. 11th ed., Soc. & Behav. Vols. New position: Assoc. dir. adv. marine tech. div., Litton Indust., 69- Address: 4409 Pepperwood Ave, Long Beach, Calif. 90808.
- ESCHER, PROF. ALBERT J(OSEPH), b. Chicago, Ill., Apr. 23, 10; m. 34; c. 2. ECONOMICS, BUSINESS ADMINISTRATION. B.S.B.A., Northwestern, 46, M.B.A., 53. Bus. mgr., Am. Inst. Baking, 55-60; off. & personnel mgr., Parke, Davis & Co., 60-65; ASSOC. PROF. ECON. & BUS. ADMIN., WIRTH PARK COL., 65- Lectr., Northwestern, 46-66. Admin. Mgt. Soc. Fringe benefits, their scope, costs, portability and coverage available to dependents upon death of employee; employee motivation. Publ: Making decisions, 63, Effective communications, 64 & co-auth. How 325 companies control their group insurance and pension costs, 67, Dartnell Corp. Address: Dept. of Economics, North Park College, Chicago, Ill. 60625.
- ESPOSITO, DR. LOUIS, b. Brooklyn, N.Y., Aug. 27, 41; m. 68. ECONOMICS. B.A., St. Peter's Col.(N.J.), 63; M.A., Boston Col., 67, Ph.D.(econ), 68. INSTR. ECON. MASSACHUSETTS, BOSTON, 67-68, ASSOC. PROF., 68- Summer consultant, U.S. Bur. Budget, 69. Econ. Assn. Health care economics; industrial organization. Address: Dept. of Economics, 100 Arlington St., University of Massachusetts, Boston, Mass. 02116.
- ESSEKS, DR. JOHN DIXON, b. New York, N.Y., Dec. 24, 38; m. 63; c. 2. POLITICAL SCIENCE. A.B., Oberlin Col., 60; A.M., Harvard, 63, fel., 64-66, Ph.D.(polit. sci.), 67. ASST. PROF. POLIT. SCI., Wis. State, Oshkosh, 66-68; NORTHERN ILLINOIS, 68- Polit. Sci. Assn; African Studies Assn; African Law Assn. Am. United States relations with new states of tropical Africa; Soviet-African relations; role of government in economies of developing countries; economic decolonization in Africa. Address: Dept. of Political Science, Northern Illinois University, DeKalb, Ill. 60115.

- ESSER, DR. ARISTIDE HENRI. Psychiatry, Comparative Psychology. See Suppl. V to 11th ed, Phys. & Biol. Vols.
- ESTEP, PROF. SAMUEL D. Law. See 5th ed, Dir. Am. Scholars, Vol. IV, Philos, Relig. & Law.
- ESTES, DR. KATHERINE WALKER. Psychology. See A-K Vol. 11th ed, Soc. & Behav. Vols. New position & address: Adj. prof. child develop., 70-, Graduate Center, City University of New York, 33 W. 42nd St, New York, N.Y. 10036.
- ESTES, DR. RALPH W. b. Powell Co, Ky, Aug. 13, 35; m. 61. BUSINESS ADMINISTRATION. B.S. Kentucky, 59, Earhart fel. & M.B.A. 63; Earhart fel. & D.B.A. (acct. econ. anal), Indiana, 67. Sr. acct. Arthur Andersen & Co., 59-62; asst. prof. ACCT. & ECON, TEXAS, ARLINGTON, 66-68, ASSOC. PROF., 68- Summer vis. prof., North Texas, 69. Am. Acct. Assn; Inst. Decision Sci. Social responsibilities of business and businessmen; international financial reporting and analysis. Publ: Professional education for the mature accountant, Can. Chartered Acct. 3/68; The accountant's social responsibility, J. Accountancy; A study of the utility of current cost and price-level information, J. Acct. Res., fall 68. Address: School of Business Administration, University of Texas at Arlington, Arlington, Tex. 76010.
- ESTLE, DR. EDWIN F(RANK). Economics. See A-K Vol. 11th ed, Soc. & Behav. Vols. New position: Economist, 69-, New Eng. Tel. Co, 185 Franklin St, Room 1005A, Boston, Mass. 02107.
- ESTUS, DR. CHARLES WILSON. Sociology. See A-K Vol. 11th ed, Soc. & Behav. Vols. New position & address: Asst. prof., 68-, Dept. of Sociology, Assumption College, 500 Salisbury St, Worcester, Mass. 01609.
- ETZKORN, PROF. K(LAUS) PETER. Sociology, Ethnomusicology. See A-K Vol. 11th ed, Soc. & Behav. Vols. New position & address: Chmn., 69-, Dept. of Sociology & Anthropology, University of Missouri-St. Louis, St. Louis, Mo. 63121.
- EUBANKS, PROF. CAROLL W. b. Trout, La, Oct. 23, 19; m. c. 3. GUIDANCE, COUNSELING. B.S. Southwest La. Inst. 43; B.S. La. State, Baton Rouge, 47, M.S., 54, Ph.D. (guid. & voc. ed). 59. Teacher, high schs., Oregon, La, 47-52; elem. schs., La, 53-57; state dir. guid. Dept. Ed, La, 59-66 & 67-68; coordinator of res. Gulf South Res. Inst. Baton Rouge, 66-67; PROF. PSYCHOL. & HEAD DEPT. PSYCHOL. & COUNSEL, ED. NICHOLLS STATE COL., 68- Dir. Inst. Leadership Training for Disadvantaged, 69. U.S.M.C. 43-46. Personnel & Guid. Assn; Nat. Voc. Guid. Assn; Assn. Couns. Ed. & Supv. Vocational guidance; choice of occupations and the relationship of personality to making adequate choices. Address: Dept. of Psychology & Counselor Education, Nicholls State College, Thibodaux, La. 70301.
- EUBANKS, PROF. CLIFFORD L. b. Manila, Ark. Mar. 15, 38; m. 60; c. 2. MANAGEMENT, ECONOMICS. B.A., Arkansas State, 62; Nat. Defense Ed. Act fel, Arkansas, 62-65, M.B.A., 64, Ph.D. (bus. admin), 67. Mem. staff, Safeway Stores, Inc., Little Rock, Ark., 58-62; asst. prof. MGT, Kansas State, 65-67; PROF. & CHMN. DEPT., MURRAY STATE, 67- Econ. & Found. summer fel, Assocs. Investment Co, Ind., 69. Consult. Gov. of Kansas, 66. U.S.A.R. 56-63. Acad. Mgt; Econ. Assn. Individual and group behavior. Publ: Co-auth. A study of the Kansas ports of entry system, Kans. Legis. Res. Coun. 67; co-auth. Motivation: key to success, J. Kansas State Univ. 6/67; auth. Training and development needs of employees of Western Kentucky business firms, Bus. Dynamics, Murray State Univ. 12/69. Address: Dept. of Management, Murray State University, Murray, Ky. 42071.
- EUBANKS, PROF. JOHN B. Philosophy, World Religions. See 5th ed, Dir. Am. Scholars, Vol. IV, Philos, Relig. & Law.
- EVAN, PROF. WILLIAM M. Sociology. See A-K Vol. 11th ed, Soc. & Behav. Vols. Correction: Prof. sociol. & indus., 66-, Dept. of Sociology, University of Pennsylvania, Philadelphia, Pa. 19104.
- EVANS, DR. BRIAN M. b. Liverpool, Eng. Mar. 28, 38; Can. citizen. GEOGRAPHY, HISTORY. B.A. Cambridge, 60, Ph.D. (geog.), 66. Lectr. GEOG., United Col., Winnipeg, 63-66; asst. prof. Guelph, 66-68; ASSOC. PROF., WINNIPEG, 68- Assn. Am. Geog.; Can. Assn. Geog.; Inst. Brit. Geog. Historical demography and agricultural productivity, especially in Wales. Address: Dept. of Geography, University of Winnipeg, Winnipeg 2, Man., Can.
- EVANS, DR. FRANCIS B. b. Edgerton, Mo, Mar. 15, 35; m. 58; c. 4. EDUCATIONAL RESEARCH. B.F.A., New Mexico, 58; M.A., Northern Arizona, 66; Ed.D. (ed. res), New Mexico State, 69. ASST. PROF. ED, WISCONSIN-GREEN BAY, 69- Ed. Res. Assn. Sociol. Assn. Statistics. Address: Dept. of Education, University of Wisconsin-Green Bay, Green Bay, Wis. 54305.
- EVANS, PROF. FRANKLIN B(ACHELDER). Marketing, Mass Communications. See A-K Vol. 11th ed, Soc. & Behav. Vols. New position & address: Prof., 69-, Medill School of Journalism, Northwestern University, Evanston, Ill. 60201.
- EVANS, DR. JAMES FREDERICK. b. Lacombe, Alta, Apr. 25, 42; m. 64; c. 3. SOCIAL PSYCHOLOGY. B.A., Alberta, 64, M.A., 66, Ph.D. (psychol.), 68. ASST. PROF. PSYCHOL., LAKEHEAD, 68- Am. Psychol. Assn; Can. Psychol. Assn. Social motivation; competition. Publ: Co-auth. Inhibitory effects of post trail stimulation on classical eyelid conditioning under partial reinforcement, Psychonomic Sci, 12/65; co-auth. Familiarization, social facilitation and group discussion effects on risk taking, 4/68 & auth. Components of motivation in a competitive situation, 4/69, Can. Psychologist. Address: Dept. of Psychology, Lakehead University, Thunder Bay, Ont., Can.
- EVANS, PROF. LEE S. Management. See A-K Vol. 11th ed, Soc. & Behav. Vols. Change of address: Arapaho Ranch, Eldora, Colo. 80437.
- EVANS, DR. RAND B(OYD). Psychology. See Suppl. V to 11th ed, Phys. & Biol. Vols.
- EVANS, PROF. RICHARD VIRGIN. Industrial Engineering. See A-K Vol. 11th ed, Soc. & Behav. Vols. New position & address: Prof., 69-, Dept. of Business Administration, 350 Commerce West, Urbana, Ill. 61801.
- EVANS, DR. RODNEY E(ARL). Business Administration, Marketing. See A-K Vol. 11th ed, Soc. & Behav. Vols. New position & address: Assoc. prof., 70-, Dept. of Marketing, University of Oklahoma, Norman, Okla. 73069.
- EVANS, DR. THOMAS RICHARD. Physiological Psychology. See Suppl. VI to 11th ed, Phys. & Biol. Vols.
- EVERS, PROF. HANS-DIETER. Sociology. See A-K Vol. 11th ed, Soc. & Behav. Vols. New information: Also assoc. dir. prog. comp. sociol. 69-, Dept. of Sociology, Yale University, New Haven, Conn. 06520.
- EWERS, DR. JOSEPH R. Business Economics, Finance. See A-K Vol. 11th ed, Soc. & Behav. Vols. New position: Pres. Fed. Home Loan Bank of Indianapolis, 69- Address: 121 S. Smith Rd, Bloomington, Ind. 47405.
- EWING, DR. JOHN S. Business Management, Marketing. See A-K Vol. 11th ed, Soc. & Behav. Vols. New information: Vis. prof., 70-, Graduate School of Business, University of Santa Clara, Santa Clara, Calif. 95053.
- EYNON, DR. THOMAS GRANT. Criminology. See A-K Vol. 11th ed, Soc. & Behav. Vols. Change of address: Center for Study of Crime, Southern Illinois University, Carbondale, Ill. 62901.
- EYRE, DR. LAWRENCE A. b. Leeds, Eng. May 3, 30; m. 52; c. 4. GEOGRAPHY, ENVIRONMENTAL SCIENCE. B.A. Univ. London, W.I. 61; Commonwealth bursary, Southampton, 52, Dipl. Ed. 63; M.S. West Indies, 67. Ph.D. (geog.), Maryland, 69. Cartog. adv. Jamaica Surv. Dept. 56-58; acting lectr. geog. & cartog. West Indies, 65-66; instr. GEOG., Maryland, 67-68; ASST. PROF. FLORIDA ATLANTIC, 68- Res. analyst, Arctic Bibliog. Proj. 66-70; cartog. & res. asst. U.S. Nat. Atlas Proj. 67-68. Assn. Am. Geog. Royal Geog. Soc; Jamaica Geog. Soc. Analysis of population and environment systems. Publ: New geography of the Caribbean, George Philip, London, 62, 63 & 68; Geographic aspects of population dynamics in Jamaica, Florida Atlantic Univ. 70; Census analysis and aerial photography. Photogrammetric Eng. 5/70. Address: Dept. of Geography, Florida Atlantic University, Boca Raton, Fla. 33432.
- EZELL, DR. DEE EARL. b. Jena, La, Apr. 27, 22; m. 44; c. 1. MANAGEMENT. B.S., Texas Christian, 44; A.B. George Washington, 63, M.S., 65; Ph.D. (pub. admin), American Univ., 68. Asst. dir. document pub. center, Staff & Command Col., Marine Corps Ed. Center, 61-64; marine adv. amphibious warfare, Chief Naval Ops., 64-65; dir. U.S. Marine Corps res. activities, Center Naval Anal., Rochester Univ., 65-68. assoc. prof. manpower mgt, sch. bus. admin., Northeast La. State Col., 68-70; dir. center ex. develop., 69-70; ASSOC. PROF. MGT, COL. BUS. ADMIN., TEXAS TECH., 70- U.S. Dept. Commerce state tech. serv. grant, Seminar Techniques for Increased Exec. Effectiveness, spring 69, Symp. Indust. Mgt. Methodology, spring 70. U.S.M.C. 43-68, Col. (Ret). Ops. Res. Inst. Mgt. Decis. Acad. Mgt. Decision-making models for planning, directing and controlling operations of complex military operations by utilizing computer programmed simulations; study of leadership and the motivational approaches in the organizing and controlling of manpower and its mobilization for complex undertakings. Publ: Field artillery, 64, co-auth. Amphibious vehicles, 65 & auth. Fire support coordination, 67, Govt. Printing Off. Address: Dept. of Management, College of Business Administration, Texas Tech University, Lubbock, Tex. 79406.

F

- FABIAN, DR. WALTER A(LBERT), JR. Psychology. See A-K Vol. 11th ed, Soc. & Behav. Vols. New position: Prof. psychol. California State Col. (Pa). 69- Address: 2403 Cortland Dr, Pittsburgh, Pa. 15241.
- FABREGA, DR. HORACIO, JR. b. Philadelphia, Pa. Jan. 6, 34; m. 57; c. 2. PSYCHIATRY, ANTHROPOLOGY. B.A. Pennsylvania, 56; M.D. Columbia, 60. Instr. psychiat. sch. med, Yale, 61-64; asst. Walter Reed Army Med. Center, 64-66; asst. prof. col. med, Baylor, 66-69; ASSOC. PROF. PSYCHIAT. & ANTHROP. MICH. STATE, 69- Asst. internal med. col. med. Howard, 65-66; vis. fel. Univ. Texas, Austin, 66-67. Consult. to cmnr. & bd. Tex. Dept. Ment. Health & Ment. Retardation, 66-67. U.S.A. 64-66, Capt. Psychiat. Assn; Anthropol. Assn; Interam. Soc. Psychol. Behavioral science in medicine; sociocultural facets of psychiatry. Publ: Co-auth. Ethnic differences in psychopathology II. Specific differences with emphasis on a Mexican-American group, J. Psychiat. Res. 68, Value identification and psychiatric disability: an analysis involving Americans of Mexican descent, Behav. Sci. 9/68 & Psychiatric illness in a small Ladino community, Psychiat. 11/68. Address: Dept. of Psychiatry, 308 Linton Hall, Michigan State University, East Lansing, Mich. 48823.
- FABRIKANT, DR. B(ENJAMIN). Clinical Psychology. See A-K Vol. 11th ed, Soc. & Behav. Vols. New position: Prof. psychol. & chmn. dept, Fairleigh Dickinson, 69- Address: 18 Chimney Ridge Court, Westwood, N.J. 07675.
- FABRYCY, DR. MARK Z. Economics. See A-K Vol. 11th ed, Soc. & Behav. Vols. New position: Assoc. prof., 69-, Dept. of Economics, New York University, New York, N.Y. 10021.
- FAGAN, PROF. BRIAN M. b. Birmingham, Eng. Aug. 1, 36; m. 69. ANTHROPOLOGY, ARCHAEOLOGY. B.A., Cambridge, 59, M.A. & Ph.D. (archaeol.), 63. Keeper of prehist., Livingstonia Mus., Zambia, 59-65; dir. btau studies proj., Brit. Inst. Nairobi, 65-66; vis. assoc. prof. ANTHROP., Illinois, Urbana, 66-67; assoc. prof., CALIFORNIA, SANTA BARBARA, 67-69, PROF., 69- Nat. Sci. Found. grants, 68-70. R.N. 54-56, R.N.R. sub. Lt. Fel. African Studies Assn; fel. Royal Anthropol. Inst. Gt. Brit. & Ireland; 63, fel. Royal Geog. Soc. Iron age archaeology and history of Eastern, Central and Southern Africa; multi-media teaching systems. Publ: Southern Africa, Fraeger,

- 66; Iron Age cultures in Zambia, *Humanities*, Vol. 1, 67, Vol. II, 69. Address: Dept. of Anthropology, University of California, Santa Barbara, Calif. 93106.
- FAGAN, DR. JOSEPHINE. Philosophy, Psychology. See 5th ed, Dir. Am. Scholars, Vol. IV, Philos. Relig. & Law.
- FAGEN, DR. STANLEY ALAN, b. Brooklyn, N.Y., Nov. 13, 36; m. 62; c. 3. PSYCHOLOGY, EDUCATION. B.S. Brooklyn Col, 57; M.A., Pennsylvania, 59, Ph.D. (psychol), 63. Staff psychologist, Walter Reed Gen. Hosp., 63-64, chief child psychologist, 64-66; psychol. training dir., Hillcrest Children's Center & Children's Hosp., D.C., 66-69; RES. DIR. PSYCHOED. HILLCREST CHILDREN'S CENTER, 69. Asst. res. prof., George Washington, 67, asst. clin. prof., 68-; adj. prof., American Univ., 68. Consult. psychologist, Family Serv. Prince George's Co., Md., 66-; clin. child psychol. consult, Walter Reed Hosp., 69. Med.Serv.C., U.S.A., 61-66, Capt. Psychol. Asn; Coun. Except. Children. Development of self-concept and self-control; teacher training research. Publ: Co-auth, Teaching children self-control, Merrill, 70. Impact of father absence in military families, *Am. J. Orthopsychiat.*, 68-69 & Behavior disruption in the classroom, *Proc. Children's Hosp. D.C.*, 69. Address: 1605 Lemontree Lane, Silver Spring, Md. 20904.
- FAGERBERG, DR. ELLIOTT P. b. Portland, Ore., May 20, 25; m. 58; c. 1. POLITICAL SCIENCE, SOCIOLOGY. B.A., Washington (Seattle), 55; M.A., Southern California, 55; Ph.D. (polit. sci.) Geneva, 56. News correspondent, Geneva, 56-56; Mershon res. fel. POLIT. SCI., Ohio State, 66-67; asst. prof., Centre Col., 67-68; ASSOC. PROF., AUGUSTA COL., 68. Lectr., Maryland, 63-66. Sig.C., U.S.A., 42-45. Polit. Sci. Asn; Sociol. Asn; Int. Polit. Sci. Asn. International politics and organization; interest groups; political sociology. Publ: The "ancients combattants" and French foreign policy, *Presses de Savoie*, 66. Address: 703 Westminster Court, Augusta, Ga. 30904.
- FAGO, DR. GEORGE C. b. Warren, Pa., July 5, 43; m. 67. PSYCHOLOGY. A.B. Franklin & Marshall Col., 65; M.S., Pittsburgh, 67, Ph.D. (psychol), 69. RES. ASSOC. PSYCHOL., PITTSBURGH, 69. Psychology of learning, particularly discrimination learning and punishment; classical conditioning and the comparative psychology of learning. Address: Dept. of Psychology, University of Pittsburgh, Pittsburgh, Pa. 15213.
- FAHS, DR. IVAN JOEL. Sociology. See A-K Vol, 11th ed, Soc. & Behav. Vols. New position & address: Med. sociologist, 68. College of Medical Sciences, University of Minnesota, Minneapolis, Minn. 55440.
- FAILS, DR. EMOL AT(WOOD). Economics. See A-K Vol, 11th ed, Soc. & Behav. Vols. New position & address: Pres., 68-; Falls Management Institute, P.O. Box 5486, Raleigh, N.C. 27607.
- FAIR, DR. DARYL R(USSELL). Political Science. See A-K Vol, 11th ed, Soc. & Behav. Vols. New position & address: Assoc. prof. & acting chmn., 70-; Dept. of Political Science, Trenton State College, Trenton, N.J. 08625.
- FAIR, DR. RAY CLARENCE, b. Fresno, Calif., Oct. 4, 42; m. 63. ECONOMICICS. B.A. Fresno State Col., 64; Ph.D. (econ), 68. Asst. PROF. ECON., PRINCETON, 68. Econ. Asn; Statist. Asn. Macro-economic models; economic forecasting; estimation procedures; income distribution; employment demand. Publ: The short-run demand for workers and hours, North-Holland, 69; The estimation of simultaneous equation models with lagged endogenous variables and first order serially correlated errors, *Econometrica*, 70. Address: Dept. of Economics, Princeton University, Princeton, N.J. 08540.
- FAISON, DR. EDMUND W(INSTON) (JORDON), b. Oct. 13, 26; m. 48; c. 3. MARKETING, PSYCHOLOGY. A.B. George Washington, 48, M.A., 50, Ph.D. (exp. & soc. psychol), 58. Asst. Nat. Res. Coun., 48-50; res. psychologist, U.S. Air Force, 50-54; mgr. exp. lab., Needham, Louis & Broby, 54-56; act. exec., Leo Burnett Co., 56-58; pres., Visual Res. Int., 58-62; mkt. specialist, U.S. Agency Int. Develop., Latin Am., 62-68; ASSOC. PROF. MKT., HAWAII, 69-; MKT. DIR. LENNEN & NEWELL, 68-; Consult. ed. J. Mkt., 56-60. U.S.N., 44-46; U.S.A.F., 50-54, 1st Lt. Psychol. Asn. Mkt. Asn. Mass communications; advertising; package design; consumer behavior. Publ: Package research: an aid to design, E.I. du Pont de Nemours & Co., 60; Effects of one and two sided arguments on economic behavior, *Pub. Opinion Quart.*, 61; Role of packaging in international advertising, In: *International handbook of advertising*, McGraw, 64. Address: Dept. of Marketing, University of Hawaii, Honolulu, Hawaii 96822.
- FAKOURI, DR. MOHAMAD E(BRAHIM), b. Kerman, Iran, 26, 31; m. 66; c. 1. PSYCHOLOGY, EDUCATIONAL PSYCHOLOGY. B.A., Tehran, 55, B.A., 58; M.S., Indiana, Bloomington, 62, Ph.D. (ed. psychol), 64. Instr. psychol., Tehran, 58-60; PROF. ed. psychol., Miami (Ohio), 64-65; PSYCHOL., Nat. Teachers Col., Iran, 65-66; INDIANA STATE, 66-; Psychol., Asn; Statist. Asn; Ed. Res. Asn. Attitude; attitude change; personality and adjustment; mental health; child development; psychological aspects of social issues; psychological statistics. Publ: Psychological needs of critical patients, *J. Med. Faculty of Tehran*, 10/66; Different views about intelligence, *J. Ed. Res. & Studies*, 11/67; Distance theory: A survey of the literature, *Revue de la Faculté des Lettres et des Sciences Humaines*, 11/68. Address: 38 W. Lawrin Blvd, Terre Haute, Ind. 47803.
- FALCO, DR. MARIA JOSEPHINE, b. Wildwood, N.J., July 7, 32. POLITICAL SCIENCE. A.B., Immaculata Col. (Pa.), 54; Fulbright fel., Florence, 54-55; M.A., Fordham, 58; Ph.D. (polit. sci.), Bryn Mawr Col., 63. Instr. hist. & polit. sci., Immaculata Col., 57-60, asst. prof., 60-63; polit. sci., Washington Col., 63-64; faculty fel. state & local polit., Nat. Center Ed. in Polit., 64-65; res. fel., Yale, 65-66; asst. prof. POLIT. SCI., LE MOYNE COL. (N.Y.), 66-68, ASSOC. PROF. & CHMN. DEPT., 68. Nat. Sci. Found. summer grant, Inter-univ. Consortium Polit. Res. Univ. Mich., 68. Polit. Sci. Asn; Acad. Polit. & Soc. Sci. American politics; political theory, especially normative and empirical. Publ: The day the bosses fumbled, In: *Readings in American national government and politics*, Prentice-Hall, 66. Address: Dept. of Political Science, Le Moyne College, Syracuse, N.Y. 13214.
- FALK, DR. LAURENCE HENRY, b. Ft. Collins, Colo., Mar. 25, 29; m. 62; c. 3. ECONOMICS. B.S.B.A., Denver, 52; Ph.D. (econ), La. State, 69. Res. assoc. water resources, La. State, 65-68; Instr. ECON., 68-69; ASST. PROF., RUTGERS, 69-; U.S.A., 46-48. Econ. Asn. Industrial inducements; water resources; microeconomic theory. Publ: Co-auth, The measurement and comparison of costs for alternative water replacement projects, 66 & auth, Economic aspects of ground-water basin control, 70, Water Resources Inst., La. State Univ. Co-auth, Industrial development bonds as a co-auth, The industry, *Nat. Tax J.*, 6/69. Address: Dept. of Economics, Rutgers, The State University, New Brunswick, N.J. 08903.
- FALK, DR. MERVYN L. b. Washington, Pa., Oct. 9, 32; m. 58; c. 4. SPEECH PATHOLOGY & CORRECTION. B.A., West Virginia, 55; M.A., Ohio, 56; Ph.D. (speech path), Wayne State, 64. Dir. Hearing & Speech Center, Greenville, S.C., 56-57; League for Better Hearing, New Orleans, La., 57-58; speech correctionist, Muskegon Co. Bd. Ed., Mich., 58-61; Instr. spec. ed., WAYNE STATE, 62-63, asst. prof. speech, 64-69; ASSOC. PROF. SPEECH & DIR. SPEECH & HEARING CENTER, 69-; Consult. Children's Hosp., Mich., 61-; Sinai Hosp., Detroit, 66-; Speech & Hearing Asn. Cleft palate speech; school speech correction. Publ: An objective approach to heterogeneous group therapy, *J. Commun. Path.*, 4/68; co-auth, Tongue position and hypernasality in cleft palate speech, 4/68 & auth, Several factors which may precipitate the use of pharyngeal flap, 1/70, Cleft Palate J. Address: Speech & Hearing Center, Wayne State University, 5900 Second Ave., Detroit, Mich. 48202.
- FALKENBERG, DR. PHILIPPE R(OY), b. Quebec City, Que., Aug. 25, 34; m. 58; c. 3. EXPERIMENTAL PSYCHOLOGY. B.A., Queen's (Ont), 65; Nat. Def. Ed. Act fel., Duke, 65-68, Nat. Inst. Ment. Health fel., 68-69, Ph.D. (psychol), 70. ASST. PROF. EXP. PSYCH., WAKE FOREST, 68-; R.C.A.F., 55-62, Flying Offc., AAAS. Memory processing. Publ: Co-auth, The organization of stimuli and sensory neurons, *Physiol. & Behav.*, 68. Address: Dept. of Psychology, Wake Forest University, Winston-Salem, N.C. 27109.
- FANG, DR. JEFFREY MING-SHAN, b. Tainan, Taiwan, Sept. 15, 40; m. 70. ECONOMICS. B.A., Taiwan, 62; M.A., Washington (Seattle), 65; Ph.D. (econ), 69. Lectr. ECON. & STATIST. WEST WASH. STATE COL., 68-69, ASST. PROF., 69. Econ. Asn. Economics of education; the economy of Taiwan. Address: Dept. of Economics, Western Washington State College, Bellingham, Wash. 98225.
- FAPOHUNDA, DR. OLANREWAIJU JOSEPH, b. Igararodo Ekiti, Nigeria, Aug. 4, 34; m. 56; c. 3. ECONOMICS. B.Sc., London, 62; Moscow State, 63-64; Cologne, 64-65; M.A., Cornell, 67; M.A., N.Y. Univ., 69, Ph.D. (econ), 70. Lectr. econ. geog., Long Island, 69; ASST. PROF. econ. & statist., Wellesley Col., 69-70; ECON. IFE, NIGERIA, OCT., 70-; Lectr., N.Y. Univ., summer 69. Econ. Asn; Nigerian Econ. Soc. Agricultural labor in developing countries; manpower planning as a means of solving unemployment problems in developing countries. Publ: Current issues and fiscal policy in the United States, *Marginal Ties*, 65 & The kinked supply of migratory labor in the agriculture of underdeveloped countries, *Econ. Develop. & Cultural Change*, (in press). Address: Dept. of Economics, University of Ife, Ife-Ife, Nigeria.
- FARACE, DR. RICHARD VINCENT, b. Baltimore, Md., Feb. 2, 40; m. 61; c. 2. COMMUNICATION. B.A., Lehigh, 62; M.A., Iowa, 63, Ph.D. (mass commun), 65. Res. asst. mass commun., Iowa, 62-65; Instr. COMMUN., MICH. STATE, 65-66, asst. prof., 66-69, ASSOC. PROF., 69-; Asn. Ed. in Journalism; Int. Commun. Asn. Communication and national development; organizational communication. Publ: Local news channel predictors in Puerto Rico, *J. Quart.*, 11/68; co-auth, Development patterns in China: 1949-1958, *Econ. Develop. Cultural Change*, 1/69. Address: Dept. of Communication, Michigan State University, 541 S. Kedzie, East Lansing, Mich. 48823.
- FARBBER, PROF. MARVIN. Philosophy. See 5th ed, Dir. of Am. Scholars, Vol. IV, Philos. Relig. & Law.
- FARBBERMAN, DR. HARVEY A(LAN), b. New York, N.Y., Oct. 22, 39. SOCIOLOGY. A.B., Brooklyn Col., 61; Ecole Pratique des Hautes Etudes, Paris, 61-62; Ph.D. (sociol.), Minnesota, 68. Instr. SOCIOLOGY, STATE UNIV. N.Y., STONY BROOK, 66-67, ASST. PROF., 67-; Consult., Suffolk County Community Ment. Health Agency, 69-; Sociol. Asn; Soc. Study Social Probs. Symbolic interactionist social psychology; urban social psychology; sociology of knowledge; historical development of sociological theory. Publ: Co-auth, Social psychology through symbolic interaction, *Blaisdell*, 70; co-auth, On the edge of war: Darkheim's moving toward the edge of the perspective of symbolic interaction, 67 & auth, Mannheim, Cooley, and Mead: toward a social theory of mentality, 70, *Sociol. Quart.* Address: Dept. of Sociology, State University of New York at Stony Brook, Stony Brook, N.Y. 11790.
- FARIS, PROF. JESSE EDWIN, JR. Agricultural Economics. See A-K Vol, 11th ed, Soc. & Behav. Vols. New position & address: Head, 69-; Dept. of Agricultural Economics, Virginia Polytechnic Institute, Blacksburg, Va. 24061.
- FARISH, DR. DONALD JAMES. Zoology, Entomology. See Suppl. VI to 11th ed, Phys. & Biol. Vols.
- FARLEY, DR. FRANK HOOVER, b. Edmonton, Alta.; m. 63. PSYCHOLOGY. B.A., Saskatchewan, 61, M.A., 63; Ph.D. (psychol), 66. Res. asst. psychol., London, 64-66; asst. prof. ed. PSYCHOL., WISCONSIN, MADISON, 66-69, ASSOC. PROF., 69. PH.D. INVEST. PSYCHOL. RES., WIS. RES. & DEV. CTR. CENTER FOR COGNITIVE LEARNING, 67-; Asn. Psychol. Asn; Am. Ed. Res. Asn; Can. Psychol. Asn; Psychonomic Soc.; Asn. Adv. Behav. Ther. Brit. Psychol. Soc. Individual differences and personality variables in learning and memory in children and adults; effect of motivational variables and physiological changes on human learning and memory consolidation; cognitive and personality structure and development. Publ: Co-auth, The use of mediators in the learning of verbal paired associates, *J. Verbal Learning & Verbal Behav.*, 64; auth, Individual differences in solution-time in error-free problem solving, *Brit. J. Soc. & Clin. Psychol.*, 66 & Reminiscence, performance and per-

- sonality, In: Extraversion-introversion, MacGibbon & Kee, 69. Address: Wisconsin Research & Development Center for Cognitive Learning, University of Wisconsin, 1404 Regent St, Madison, Wis. 53711.
- FARLEY, PROF. RAWLE.** Economics. See A-K Vol, 11th ed, Soc. & Behav. Vols. New Publ: Planning for development in Libya: the exceptional economy in the developing world, Praeger Special Studies, 70; The other Americans: Latin American economic problems in perspective, Harper, 71. Address: Dept. of Economics, State University of New York College at Brockport, Brockport, N.Y. 14420.
- FARMER, DR. CHARLES HENRY,** b. Littlefield, Tex, July 17, 39; m. 63; c. 1. STATISTICS. B.S. Southwest Texas State, 63; M.A. Texas, Austin, 66, Ph.D.(math), 68. Teaching assoc. math, Texas, Austin, 63-67; engr-scientist, Tracor, Tex, 67-68; ASST. PROF. MATH, TULSA, 68-, dir. environ. res. center, 68-70. Math. consult, Ark. Crime Cmn. & St. Francis Hosp, Tulsa, 69- U.S.A. 57-60, Sgt. Inst. Math. Statist. Use of operations research in optimum use of water resources; statistical hypothesis testing; digital data transmission. Publ: Almost mixing, 69 & A certain sequence of infinite determinants, 70, J. Math. Anal. & Appl; Entropy of Abelian groups, J. Japanese Math. Soc. 70. Address: 4421 S. Harvard St, Tulsa, Okla. 74135.
- FARMER, MALCOLM F(RENCH).** Anthropology, Museology. See A-K Vol, 11th ed, Soc. & Behav. Vols. New information: Also dir. bilingual-bicultural prog., Whittier Coll, 70- Address: 6184 Southwind Dr, Whittier, Calif. 90601.
- FARNEN, DR. RUSSELL F, JR,** b. New Haven, Conn, Apr. 18, 33; m. 54; c. 3. POLITICAL SCIENCE, EDUCATION. B.S. Conn. State Coll, 56; M.A. George Peabody Coll, 57; M.A., Syracuse, 60, Ph.D.(soc. sci.), 63. Asst. citizenship, Syracuse, 57-60; from instr. to asst. prof. soc. sci. & hist. Florida, 60-64; exam. soc. studies, Ed. Testing Serv, 64-67; ASSOC. PROF. POLIT. SCI., GEORGE PEABODY COLL, 67- Consult, UN Assn. of U.S. Inc, N.Y., 65-67; dir. for. studies, Inst. Int. Studies, U.S. OIL Ed, 67; seminar on int. studies, For. Policy Assn, 68; annual convention & projts, Nat. Coun. Soc. Studies, 69- Chmn. U.S. & Int. Civic Ed. Cmts. Int. Assn. Eval. Ed. Achievement, Stockholm, Sweden, 66- U.S.A. 50-51. Polit. Sci. Assn. Am. Studies Assn; Int. Studies Assn. Comparative and cross national political socialization research; measurement evaluation and behavioral research in political science; civic education in the United States; American government. Publ: Co-auth, Government in our Republic, Macmillan, 71 & Nation wide test scores on international and other social studies material, Ed. Horizons, winter 69; auth, The teaching of government, In: Macmillan encyclopedia of education, Macmillan, 70. Address: Dept. of Political Science, Box 160, George Peabody College For Teachers, Nashville, Tenn. 37203.
- FARR, DR. MARSHALL J,** b. New York, N.Y., June 1, 28; m. 51; c. 2. PSYCHOLOGY. B.A., N.Y. Univ, 49; fel, New Sch. Soc. Res, 57-58, M.A., 58, Ph.D.(exp. psychol), 67. Res. psychologist, U.S. Naval Training Device Center, Port Washington, N.Y., 60-62, head mass commun. br., 62-64; asst. head eng. psychol, OFF. NAVAL RES, DEPT. NAVY, DC, 64-69, ASSOC. DIR. PERSONNEL & TRAINING RES. PROGS, 69-67, Fairleigh Dickinson, 60-61. Psychol. Assn; Human Factors Soc; Interam. Soc. Psychol. Training methods and devices; instructional technology; learning theory; human motivation; human memory; human-factors engineering. Publ: Co-auth, Current status and future trends in engineering psychology, Psychol. Res. In: Nat. Defense Today, 6/67. Address: Office of Naval Research, Code 458, 800 N. Quincy St, Arlington, Va. 22217.
- FARRALL, PROF. CLAYTON GRIEG,** b. Boston, Mass, Feb. 27, 26; m. 55; c. 3. PSYCHOLOGY, EDUCATION. A.B. Syracuse, 50, M.B.A., 52, M.S., 55, fel, 59, Ph.D.(ed), 65. Psychologist, Onondaga County Bd. Coop. Ed. Serv, 55-59; consult, bur. sch. serv, Syracuse, 59-61; psychologist, Fayette-Manlius Cent. Sch. Syst, 61-66; PROF. ED, STATE UNIV. N.Y. COL. POTSDAM, 66- Elem. & Sec. Ed. Act grants, 67-69; N.Y. State Ed. Dept. teacher-inserv. training grants, 69-71; summers, N.Y. State Res. Found. faculty felts, 67, 70. U.S.N. 44-46. Psychol. Assn; Ed. Res. Assn. Developing creative thinking process; teacher-pupil interaction. Publ: Pupil adjustment as related to sex of pupil and sex of teacher, Psychol. in Schs, 10/68. Address: Dept. of Education, Congdon Campus School, State University of New York College at Potsdam, Potsdam, N.Y. 13676.
- FARRELL, DR. KENNETH R(OYDEN).** Agricultural Economics, Marketing. See A-K Vol, 11th ed, Soc. & Behav. Vols. New position: Asst. adminstr, 68-, Economic Research Service, U.S. Dept. of Agriculture, Washington, D.C. 20250.
- FARRELL, DR. WARREN S(TANLEY),** b. Chicago, Ill, Oct. 13, 40. AGRICULTURAL ECONOMICS. B.S. Calif. State Polytech. Col, San Luis Obispo, 63; M.S., California, Davis, 64, fel, 64-65, Ph.D.(agr. econ), 68. Asst. prof. AGR. MGT, CALIF. STATE POLYTECH. COL, SAN LUIS OBISPO, 67-69, ASSOC. PROF, 70- Land resource economics; rural-urban development; production economics; business operations analysis. Address: Dept. of Agricultural Management, California State Polytechnic College, San Luis Obispo, Calif. 93402.
- FARRISH, DR. RAYMOND (O'CONNOR) PAUL,** b. New York, N.Y., Apr. 13, 31; m. 54; c. 4. AGRICULTURAL ECONOMICS. B.S. Cornell, 52; M.S. Connecticut, 57, Ph.D.(agr. econ), 60. Asst. agr. econ, Connecticut, 54-56, asst. prof, 59-61; coop. agent, Univ. Connecticut & U.S. Dept. Agr, 56-58; agr. economist, U.S. Dept. Agr, 61-63; Univ. Arizona, 63-66; ASSOC. PROF. AGR. ECON, CONNECTICUT, 66- Consult, study of food mkt. syst. in Santo Domingo, Dominican Repub, funded by Org. of Am. States, 66. U.S.A. 52-54, 1st Lt. Agr. Econ. Assn. Domestic and foreign agricultural policy. Address: Dept. of Agricultural Economics, University of Connecticut, Storrs, Conn. 06268.
- FAULES, DR. DON F.** Behavioral Communication. See 5th ed, Dir. Am. Scholars, Vol. II, Eng, Speech & Drama.
- FAULK, DR. ELIZABETH HAMMOND.** Psychology. See A-K Vol, 11th ed, Soc. & Behav. Vols. New information: Pres, Psychol. & Consult. Serv, Inc, 69- Address: 3011 N. Halifax Dr, Daytona Beach, Fla. 32018.
- FAULKENBERRY, DR. G(ERALD) DAVID.** Statistics. See A-K Vol, 11th ed, Soc. & Behav. Vols. New position & address: Supvr, statist. group, 69-, Litton Scientific Support Laboratory, Ft. Ord, Calif. 93941.
- FAUSOLD, PROF. MARTIN L.** Political History. See 5th ed, Dir. Am. Scholars, Vol. I, Hist.
- FAW, DR. TERRY T,** b. San Diego, Calif, Apr. 24, 43; m. 63. PSYCHOLOGY. B.S. Lewis & Clark Coll, 65; Nat. Defense Ed. Act fel, Vanderbilt, 65-68, M.A., 67, Nat. Inst. Ment. Health fel, 68-69, Ph.D.(psychol), 69. ASST. PROF. PSYCHOL, CALIFORNIA, LOS ANGELES, 69- Psychol. Assn; Soc. Res. Child Develop. Development of patterns of visual selective attention in humans; relationship of attention to problems of learning and education. Publ: Co-auth, The acquisition of conditioned reward value in discrimination learning, Child Develop, 3/68, The influence of stimulus uncertainty and experimental instructions on visual selection, Perception & Psychophys, 69 & Effect of degrees of incongruity on visual fixations in children and adults, J. Exp. Psychol, 8/69. Address: Dept. of Psychology, University of California, 405 Hilgard Dr, Los Angeles, Calif. 90024.
- FAWCETT, DR. JAMES (THOMAS) b.** Pittsburgh, Pa, Aug. 16, 35; m. 63; c. 1. PSYCHOLOGY. B.S. Pa. State, 60; Nat. Sci. Found. fel. & M.S. Yale, 61; U.S. Pub. Health Serv. fel. & Ph.D.(psychol), California, Berkeley, 65. Selection officer, U.S. Peace Corps, 61-63; assoc. res. scientist, Am. Inst. Res, 63-64; STAFF ASSOC, POP. COUN, 65- U.S.A.F. 54-58, 5/Sgt. Psychol. Assn; Pop. Assn. Am. Applications of psychology to population; research in family planning; culture and personality. Publ: Chap, Inc. Communications aspects of family planning prog., UN, 68; co-auth, Chap, Inc. International postpartum family planning program, McGraw, 70; auth, Psychology and population, Pop. Coun, 70. Address: The Population Council, 245 Park Ave, New York, N.Y. 10017.
- FAWL, PROF. CLIFFORD LEROY.** Psychology. See A-K Vol, 11th ed, Soc. & Behav. Vols. New position: Prof. psychol. & chmn, 69-, Division of Social Sciences, Nebraska Wesleyan University, Lincoln, Nebr. 68504.
- FECHTER, ALAN EDWARD,** b. New York, N.Y., Oct. 19, 34; m. c. 3. ECONOMIC. B.B.A. City Coll, New York, 55; A.M. Chicago, 62. Asst. prof. econ, Pittsburgh, 62-64; ECONOMIST, PROG. ANAL. DIV. INST. DEFENSE ANAL, 64- U.S.A. 54-56. Econ. Assn. Labor market theory; military manpower; economics of education; population. Publ: The supply of first-term military officers, Inst. for Defense Anal, 67; co-auth, Metropolitan area intercommunity migration rates, Indust. & Labor Rel. Rev, 1/66 & The supply of military personnel in the absence of a draft, Am. Econ. Rev, 5/67. Address: Program Analysis Division, Institute for Defense Analyses, 400 Army-Navy Dr, Arlington, Va. 22202.
- FEDDERSEN, DONLEY F.** Radio-Television, Speech. See 5th ed, Dir. Am. Scholars, Vol. II, Eng, Speech & Drama.
- FEDERER, DR. MIREN DALE,** b. Apr. 26, 29; U.S. citizen; m. c. 4. COUNSELING. B.S. Wyoming, 51, M.Ed., 61, Ph.D.(counseling), 62. Asst. prof. counsr. ed, Wyoming, 62-63; lectr, Colorado, 63; ASSOC. PROF. COUNSR. ED. & PSYCHOL, CALIF. STATE POLYTECH. COL, SAN LUIS OBISPO, 63- Consult, San Luis Obispo County College, 64-67; Kern County & Paso Robles Schs, 69-70. U.S.A. 1st Lt. Psychol. Assn. Mental health; testing. Publ: Who needs counselors? 66 & co-auth, Investigative techniques, 68, Calif. State Polytech. Col. Address: 10 Squire Rd, San Luis Obispo, Calif. 93401.
- FEDERICO, DR. RONALD CHARLES,** b. New York, N.Y., Jan. 9, 41; m. 69; c. 2. SOCIOLOGY. B.A. Yale, 62; M.S.W. Michigan, 64; Ph.D.(sociol), Northwestern, 68. ASST. PROF. SOCIOL, MARYLAND, 67- Faculty fel, Wash. Center Metropol. Studies, 68; lectr, Rosemont Coll, 69. Sociol. Assn; Nat. Assn. Soc. Workers; Coun. Soc. Work Ed. Sociology of art; social factors in transportation planning; variables in planning for and providing social welfare services. Publ: Total transportation as a social concept, Proc. Am. Soc. Mech. Engr, 11/69. Address: College of Arts & Sciences, Dept. of Sociology, University of Maryland, College Park, Md. 20742.
- FEDERSPIEL, DR. HOWARD M,** b. Springfield, N.Y., Mar. 10, 32; m. 57; c. 2. POLITICAL SCIENCE, ISLAMIC STUDIES. B.A. Capital Univ, 54; Ohio State, 55; M.A. McGill, 61, Ph.D.(islamic studies), 66. Res. specialist, Bur. Intel. & Res, U.S. Dept. State, 62-66; mem. tech. staff, Res. Anal. Corp, 66-68; ASST. PROF. POLIT. SCI, LENOIR-RHYNE COLL, 68- FEL. SCIENTIST, ADV. STUDIES GROUP, WESTINGHOUSE ELEC. CORP, 68- Lectr, George Mason Coll, 66-67; vis. lectr, U.S. For. Serv. Inst, 67-68. U.S.A. 55-58. Polit. Sci. Assn; Oriental Soc; Hist. Assn. Political, military and religious affairs in Southeast Asia. Address: 719 Eighth Ave. Place N.E., Hickory, N.C. 28601.
- FEE, DR. JAMES (VINCENT),** b. Cut Bank, Mont, Dec. 22, 27; m. 51; c. 2. COMMUNICATIONS, PSYCHOLOGY. B.S. Ed, Southern Illinois, 54, M.S. Ed, 55; Ph.D.(speech), Ohio State, 64. Lectr. SPEECH, Southern Illinois, 56-59; asst. prof, Murray State, 61-63, assoc. prof, 64-65, prof, 66-67; ASSOC. PROF. AKRON, 67-68; U.S. Dept. State, 51-55, 5/Sgt. Speech Assn. Am. Nat. Soc. Study Commun. Psycholinguistics; experimental phonetics; industrial communication; communication theories. Publ: Books: a representative interdisciplinary library..., Cent. States Speech J, 61; J. Albert Tracy: a man-an idea, Undergrad. Speech Interest Group Newsletter, 5/62. Address: Dept. of Speech, University of Akron, Akron, Ohio 44304.
- FEFFERMAN, DR. ARTHUR STANLEY.** Economics. See A-K Vol, 11th ed, Soc. & Behav. Vols. New position: Chief economist, Joint Committee on Internal Revenue Taxation, U.S. Congress, 69- Address: 9006 Linton St, Silver Spring, Md. 20901.

- FEHMI, DR. LESTER GEORGE. b. Philadelphia, Pa. Apr. 23, 34; m. 60; c. 2. **PHYSIOLOGICAL PSYCHOLOGY**. B.A. San Jose State Col. 61; M.A. California, Los Angeles, 65, Ph.D. (psychol), 66. Res. analyst electronics, Lockheed Space & Missiles Div, Calif, 58-61, engr. psychologist, 61; lectr. PSYCHOL, Loyola (Calif), 66-67; ASST. PROF. STATE UNIV. N.Y. STONY BROOK, 67- Nat. Inst. Ment. Health fel, Brain Res. Inst, California, Los Angeles, 66-67; grant in aid, res. found, State Univ. N.Y., 67-69; Nat. Inst. Ment. Health biomed. grant, 68-69; Stanford-Aames summer faculty fel, NASA, 68, 69. U.S.A., 54-58. AAAS; Psychol. Asn. Information processing in the central nervous system: physiological correlates of perception; the autoregulation and awareness of internal states through physiological feedback; consciousness. Publ: Co-auth. The electrophysiological correlates of perceptual masking in monkeys, *Exp. Brain Res.*, 7: 299-316, Perceptual discrimination in monkeys: retroactive visual masking, *Physiol. & Behav.*, 4: 255-259 & Discrimination among temporal patterns of stimulation in a computer model of a cerebellar nerve net, *Kybernetik Marz*, Band 3: 240-249. Address: Dept. of Psychology, State University of New York at Stony Brook, Stony Brook, N.Y. 11790.
- FEIN, PROF. ALBERT. American History. See 5th ed, Dir. Am. Scholars, Vol. I, Hist.
- FEIN, DR. LEAH GOLD. Psychology. See A-K Vol, 11th ed, Soc. & Behav. Vols. New position & address: Staff psychologist, 68-, Bureau of Child Guidance, Board of Education, City of New York, Public School 86, W. 195th St. & Reservoir Ave, Bronx, N.Y. 10468.
- FEIN, DR. LEONARD J. Political Science. See A-K Vol, 11th ed, Soc. & Behav. Vols. New position: Assoc. prof, Florence Heller School, Brandeis, 70- Address: 149 Buckminster Rd, Brookline, Mass. 02146.
- FEIN, DR. RASHI. Economics. See A-K Vol, 11th ed, Soc. & Behav. Vols. New position: Prof. econ. of med, 68-, Dept. of Economics, Harvard University, 25 Shattuck St, Boston, Mass. 02115.
- FENBAUM, DR. ROBERT. b. New York, N.Y. Apr. 15, 39; m. 59; c. 2. **SOCIOLOGY**. B.S. Mass. Inst. Tech, 60; M.A. California, 63, Ph.D. (sociol), 67. Legis. intern, State Assembly, 63-64, spec. consult, comm. pub. health, 64; lectr. SOCIOL, San Francisco State Col, 66-67; ASST. PROF. SANTA CLARA, 67- Sociol. Asn. Political and urban sociology: sociology of education. Address: Dept. of Sociology, University of Santa Clara, Santa Clara, Calif. 95053.
- FENBERG, DR. ALLEN MARK. b. New York, N.Y. Sept. 23, 37; m. 59; c. 2. **PSYCHOLOGY**. B.A. Brandeis, 59; M.A. New Sch. Soc. Res, 61; U.S. Pub. Health Serv. fel, Fla. State, 62-66, Ph.D. (clin. psychol), 66. Fel. psychol, SCH. MED. NORTH CAROLINA, CHAPEL HILL, 66-67, asst. prof, 67-68, ASST. PROF. PSYCHOL. & CHIEF PSYCHOLOGIST ADULT CLIN, 68- Consult, Stanly County Ment. Health Center, 65-, consult. & coordinator, Roanoke Chowan Ment. Health Serv, 67- AAAS; Psychol. Asn. Effects of ionizing radiation on behavior: behavior therapy; conditioning approaches as psychotherapy. Address: Dept. of Psychiatry, University of North Carolina Medical School, Chapel Hill, N.C. 27515.
- FENBERG, DR. BARBARA SILBERDICK. b. New York, N.Y. June 1, 38; m. 68; c. 1. **POLITICAL SCIENCE, PHILOSOPHY**. B.A. Wellesley Col, 59; M.A. Yale, 60, Ph.D. (polit. sci), 63. Lectr. polit. sci, City Col. New York, 63-64, inst., 64-67; vis. lectr., Brooklyn Col, 67-68; asst. prof, Seton Hall, 68-70. Polit. Sci. Asn; Soc. Polit. & Legal Philos. Political philosophy. Publ: Political thought of Oliver Cromwell: revolutionary or conservative, Soc. Res, fall 68; Creativity & the political community: the role of the lawgiver in the thought of Plato, Machiavelli and Rousseau, *West. Polit. Quart.*, fall 70. Address: 535 E. 86th St, New York, N.Y. 10028.
- FENLEIB, DR. SIDNEY. Physical Chemistry. See Suppl. V to 11th ed, Phys. & Biol. Vols.
- FENNN, DR. BARBARA ANN. Economics. See A-K Vol, 11th ed, Soc. & Behav. Vols. New position: Sr. coun. economist, Gov. Coun. Econ. Adv., N.Y., 69- Address: 200 E. 66th St, New York, N.Y. 10021.
- FENSTEIN, DR. HERBERT CHARLES VERSCHLEISSER. English, Mass Media of Communications. See 5th ed, Dir. Am. Scholars, Vol. II, Eng, Speech & Drama.
- FENSTEIN, DR. HOWARD M. b. New York, N.Y. Aug. 30, 29; m. 58; c. 3. **PSYCHIATRY, AMERICAN INTELLECTUAL HISTORY**. A.B. Cornell, 51, M.D., 55, hist. 66- Intern, Buffalo Gen. Hosp, N.Y. 55-56; res. psychiatrist, est. div, N.Y. Hosp, 56-57; Mass. Ment. Health center, 58-61; psychiatrist, private practice, 61-; clin. inst. psychiatrist, State Univ. N.Y. Upstate Med. Center, 63-64; Josiah Macy, Jr. scholar, hist. of med. & biol. sci., 67-69. Dipl. Am. Bd. Psychiat. & Neurol, 63. Med.C. U.S.A., 57-59, Capt. Am. Med. Asn; Group Psychother. Asn; Am. Studies Asn. Group dynamics; applications of small group techniques to study of history; applications of psychology to history; William James. Publ: April 1969 — a celebration of the Mass. In: *Divides we stand*, Doubleday, 70; William James on the emotions, *J. Hist. Ideas*, 1-3/70 & The prepared heart, *Puritan theology and psychoanalysis*, Am. Quart., 5/70. Address: 206 Hanshaw Rd, Ithaca, N.Y. 14850.
- FENSTEIN, DR. OTTO, b. Vienna, Austria, May 18, 30; U.S. citizen; m. 61. **POLITICAL SCIENCE, INTERNATIONAL RELATIONS**. B.A. Chicago, 50, Ph.D. (int. rels, polit. sci), 65; Lic. Grad. Inst. Int. Studies, Geneva, 53. ASSOC. PROF. SCI. OF SOC, MONTEITH COL, WAYNE STATE, 60- U.S.A., 53-55. Economics; social science; Latin America; education. Publ: Politics and political theory in Latin America, Doubleday, 70; Higher education in United States: economics, quality and personalism & co-auth, Higher education in Europe, Heath, 70. Address: 667 W. Hancock, Apt. 206, Detroit, Mich. 48221.
- FEIS, PROF. CLAYTON D. b. Bladen, Nebr., Jan. 20, 20; m. 52; c. 8. **ECONOMICS, BUSINESS ADMINISTRATION**. A.B., Hastings Col, 51; M.B.A., Denver, 52; summers, Nebraska, 56, 57, 58, Iowa, 59. Prin, Dorchester Pub. Schs, 53-57; head dept. bus. admin. & econ, Westmar Col, 57-63; ASSOC. PROF. BUS. ADMIN. & ECON. & HEAD DEPT, NEBR. WESLEYAN, 63- U.S.A.A.F., 40-43, T/Sgt. Econ. Asn. Address: Dept. of Business Administration & Economics, Nebraska Wesleyan University, Lincoln, Nebr. 68504.
- FEWELL, PROF. GEORGE RICHARD. Economics. See A-K Vol, 11th ed, Soc. & Behav. Vols. New information: Guggenheim fel, 69-70. Address: Dept. of Economics, University of Tennessee, Knoxville, Tenn. 37916.
- FELD, DR. RICHARD DENNIS. Political Science. See A-K Vol, 11th ed, Soc. & Behav. Vols. Change of address: 5606 Bissonnet, Apt. 2, Houston, Tex. 77036.
- FELDMAN, DR. HERMAN. Psychology. See A-K Vol, 11th ed, Soc. & Behav. Vols. New position: Prof. psychol, Indiana, Northwest Campus, 69- Address: 8140 Lakewood Ave, Gary, Ind. 46403.
- FELDMAN, DR. IRVING S. Psychology. See A-K Vol, 11th ed, Soc. & Behav. Vols. Change of address: 25 Mitchell Dr, Toms River, N.J. 08753.
- FELDMAN, DR. KENNETH A. Social Psychology. See A-K Vol, 11th ed, Soc. & Behav. Vols. New position: Assoc. prof, 69-, Dept. of Sociology, State University of New York at Stony Brook, Stony Brook, N.Y. 11790.
- FELDMAN, DR. REYNOLD. English & Indonesian Studies. See 5th ed, Dir. Am. Scholars, Vol. II, Eng, Speech & Drama.
- FELDMANN, DR. SAUL. Administration. See A-K Vol, 11th ed, Soc. & Behav. Vols. New position: Assoc. dir. community ment. health serv. div. ment. health serv. progs, Nat. Inst. Ment. Health, 69- Address: 4701 Willard Ave, Chevy Chase, Md. 20015.
- FELDMAN, DR. SHEL(DON). b. Chicago, Ill., Oct. 5, 36; m. 58; c. 1. **SOCIAL PSYCHOLOGY**. B.A. Northwestern, 57, Ph.D. (psychol), Yale, 62. Res. asst. PSYCHOL, Northwestern, 55-57; Yale, 57-60; res. trainee, Vet. Admin. Hosp, West Haven, Conn, 60-61; res. asst., Illinois, 61, res. asst. prof, 62-64; Pennsylvania, 64-68; ASSOC. PROF, SWARTHMORE, 68- Teacher, Dartmouth, summers 66, 67; night sch, Temple, 69; vis. scientist, Am. Psychol. Asn, 69. Consult, Assoc. for Res. in Behav, 64- Dupont, 69, AAAS; Psychol. Asn; Fedn. Am. Scientist; Soc. Psychol. Study Social Issues; Soc. Exp. Soc. Psychol; Int. Peace Res. Soc. Models of attitude formation and change, especially impressions of others, and political issues; affective aspects of word meaning: role of psychologists in solving international tension. Address: Dept. of Psychology, Swarthmore College, Swarthmore, Pa. 19081.
- FELDMANN, DR. SHIRLEY (CLARK). Educational Psychology. See A-K Vol, 11th ed, Soc. & Behav. Vols. Change of address: 3333 Henry Hudson Pkwy, Bronx, N.Y. 10463.
- FELDMESSER, DR. ROBERT A (LLEN). Sociology. See A-K Vol, 11th ed, Soc. & Behav. Vols. New position & address: Res. sociologist, 69-, Division of Educational Studies, Educational Testing Service, Princeton, N.J. 08540.
- FELKENES, DR. GEORGE T. b. Dayton, Ohio, Nov. 19, 30; m. 61. **CRIMINOLOGY, LAW**. B.S. Maryland, 61, J.D. 61; M.A. Calif. State Col. Long Beach, 66; D.Crim, California, Berkeley, 70. ASSOC. PROF. CRIMINOL, CALIF. STATE COL. LONG BEACH, 64-, CHMN. DEPT. 68. Res. assoc., Off. Law Enforcement Assistance, Wash. D.C., 66-67; State Criminal Procedure Cmt, Calif, 67-68; Inst. Police Studies, Calif. State Col. Long Beach, 67- Consult, McGraw-Hill Publishers, 67-; Calif. Peace Officers Cmn, 68-69. U.S.A., 51-57, 1st Lt. Bar Asn; Polit. Sci. Asn; Soc. Criminol; Int. Asn. Chiefs Police. Publ: Co-auth, Law enforcement: a selected annotated and general bibliography, 68 & New dimensions in criminal justice, 68, *Scarcrow*; auth, Legal status of aircraft as an aid to law enforcement, *S. Dak. Law Rev.*, 6/68. Address: Dept. of Criminology, California State College at Long Beach, Long Beach, Calif. 90801.
- FELLER, DR. IRWIN. Economics. See A-K Vol, 11th ed, Soc. & Behav. Vols. New information: Also prof, dir, 69-, Center for the Study of Science Policy, Pennsylvania State University, University Park, Pa. 16802.
- FELLMAN, DR. GORDON A. b. Omaha, Nebr., May 10, 34. **SOCIOLOGY**. B.A. Antioch, 57; Woodrow Wilson fel, Harvard, 57-58, Soc. Sci. Res. Coun. fel, 58-60, Robert Trent Paine fel, 62-63, Ph.D. (sociol), 64. Lectr. soc. rels, Harvard, 63-64; asst. prof. SOCIOL, BRANDEIS, 64-70, ASSOC. PROF, 70- Co-dir, Urban Planning Aid, Inc. an advocacy planning org, Cambridge, Mass, 66-; U.S. Dept. Housing & Urban Develop. Off. Urban Tech. & Res. grant, 57-68. Consult, Interniv. Eval. Cmt, Boston, Mass, 67. Sociol. Asn; Asn. Asian Studies. Social psychology; psychoanalysis and society; Indian democratic socialism; urban change and social protest; social stratification. Publ: Co-auth, Violence: biological need and social control, *Soc. Forces*, 6/67; auth, Neighborhood protest of an urban highway, *J. Am. Inst. Planners*, 3/69 & co-auth, Social costs of an urban highway, *Trans-Action*, (in press). Address: Dept. of Sociology, Brandeis University, Waltham, Mass. 02154.
- FELSENBERG, DR. GERTRUD K. Psychology. See A-K Vol, 11th ed, Soc. & Behav. Vols. Correction: Psychologist-soc. worker, Denver Children's Home, 67- Address: 1050 Kearney St, Denver, Colo. 80220.
- FELTON, DR. WILLIAM SIDNEY, JR. Sociology, Social Psychology. See A-K Vol, 11th ed, Soc. & Behav. Vols. New position: Prof. 70-, Dept. of Sociology, Keene State College, Keene, N.H. 03431.
- FELZER, DR. STANTON (BERNARD). Psychology. See A-K Vol, 11th ed, Soc. & Behav. Vols. New position: V. pres, Harry J. Woehr & Assocs, Management & Consulting Psychologists, Phila., 69- Address: 340 Ainslie Rd, Huntingdon Valley, Pa. 19006.

- FENKER, DR. RICHARD MATHES, JR., b. Nashville, Tenn., May 22, 42. **PSYCHOLOGY, STATISTICS.** B.S. Case Inst. Tech, 64; M.S. Purdue, 67, Nat. Defense Ed. Act fel, 67-69, Ph.D. (psychol), 69. **ASST. PROF. PSYCHOL, TEXAS CHRISTIAN, 68.** A.A.S. Perception; multivariate statistics; mathematical models of perceptual or cognitive processes; cognitive geometry. Publ: Co-auth, Multivariate analysis, object perception and dimensional limitation, *Multivariate Behav. Res.* 8/69. Address: Dept. of Psychology, Texas Christian University, Ft. Worth, Tex. 76129.
- FENNESSEY, DR. JAMES J (OSEPH), b. Boston, Mass., June 11, 41; m. 64. **SOCIOLOGY.** A.B. Holy Cross Col, 63; M.A. Chicago, 67; Ph.D. (soc. rels), Hopkins, 70. **ASST. PROF. SOCIOLOGY, CHICAGO, 68.** Sociol. Assn; Psychomet. Soc. Sociology of education; statistical methods of data analysis. Publ: The general linear model, *Am. J. Sociol.* 68. Address: Dept. of Sociology, University of Chicago, Chicago, Ill. 60637.
- FENSCH, PROF. EDWIN A., b. Mansfield, Ohio, Aug. 16, 03; m. 38, 67; c. 2. **PSYCHOLOGY.** A.B. Ashland Col, 33; M.A. Ohio State, 38, Ph.D. (ed), 42. Teacher, city schs, Mansfield, Ohio, 33-42, dir. res, 42-55, asst. supt, 55-68; PROF. PSYCHOL, ASHLAND COL, 68. Instr, Ashland Col, 45-67. A critical study of Negro students in the junior high school. Address: Dept. of Psychology, Ashland College, Ashland, Ohio 44805.
- FENTON, SISTER HELEN M., C.S.J., b. New Bedford, Mass., July 17, 21. **ECONOMICS.** B.S. in Bus. Admin, Boston, 46, M.C.S.S. M.A. Boston Col, 66. Teacher, parochial sch, Mass, 40-43; instr. bus, REGIS COL, 46, asst. prof, 64. **ASSOC. PROF. ECON, 64.** Econ. Assn. Econ. Hist. Assn. International economics; Soviet-Latin American economic relations; economic implications of private foreign aid by United States citizens and institutions to Latin American developing nations. Address: Dept. of Economics, Regis College, Weston, Mass. 02193.
- FENTON, DR. NORMAN. **Psychology.** See A-K Vol. 11th ed, Soc. & Behav. Vols. Change of address: 3238 Taylor Rd, Carmel, Calif. 93921.
- FENTRESS, DR. JOHN CARROLL, b. East Chicago, Ind., Feb. 4, 39; m. 68. **BEHAVIORAL BIOLOGY.** B.A. Amherst Col, 61; Nat. Sci. Found. fel, Cambridge, 61-65, Ph.D. (animal behavior), 65. Nat. Inst. Health fel. neurophysiol., Center Brain Res, Rochester, 65-67; **ASST. PROF. BIOLOGY & PSYCHOL, OREGON, 67.** AAAS. Development and programming of behavioral sequences; ethology; neural conditioning and development; behavior genetics. Publ: Co-auth, Protracted tetanization of the optic tract in squirrel monkeys, *Fedn. Proc.* 66; auth, Observations on the behavioral development of a hand-reared male timber wolf, *Am. Zoologist*, 67; Interrupted on going behavior in two species of vole *Microtus agrestis* and *Clethrionomys britannicus*: I and II, *Animal Behav.* 68. Address: Dept. of Psychology, University of Oregon, Eugene, Ore. 94703.
- FENWICK, DR. CHARLES A., b. Indianapolis, Ind., Apr. 13, 36; m. 69. **HUMAN FACTORS ENGINEERING, INDUSTRIAL PSYCHOLOGY.** B.S. Purdue, 58, univ. fel, 58-59, M.S., 59, Nat. Sci. Found. fels, 59-61, Ph.D. (eng. psychol), 61. Staff psychologist, COLLINS RADIO CO, 61-63, sr. tech. staff, 63-68, **HEAD ADV. DISPLAY STUDIES, 68.** Human Factors Soc; Psychol. Assn; Soc. Eng. Psychol. Development and validation of conceptual models of, and equipment which will facilitate, the real-time interactions of human operators and complex, dynamic systems of which they are a component. Publ: Development of a peripheral vision command indicator for instrument flight, *Human Factors*, 4/63; Evaluation of multi-channel navigational displays, *Navigation*, spring 66; New cockpit control and display techniques—what can they do for the Pilot?, *Soc. Automotive Engrs*, 4/68. Address: Mail Station 106-21, Collins Radio Co, 5200 C Ave. N.E., Cedar Rapids, Iowa 52406.
- FERRER, DR. ROMAN, b. Krakow, Poland, Jan. 25, 33; U.S. citizen; m. 61; c. 2. **URBAN PLANNING, PUBLIC ADMINISTRATION.** A.B. Hunter Col, 58; M.P.A. N.Y. Univ, 59, Ph.D. (pub. admin), 65. Assoc. prof. urban polit, N.Y. Univ, 61-68; dept. dir, Off. Comp. Planning, New York Community Renewal Prog, 67-69; **DIR. ADMIN. CITY PLANNING CMN, NEW YORK, 69.** Lectr, Baruch Col, 65. U.S.A., 63-65. Inst. Planners; Polit. Sci. Assn; Soc. Pub. Admin. Public administration and its relationship to urban planning; transportation and metropolitan planning; political science. Publ: Co-auth, Port of New York and the management of its waterfront, N.Y. Univ, 59. Address: 5 Iroquois Trail, Monsey, N.Y. 10952.
- FERGUSON, DR. ALLEN RICHMOND. **Economics.** See A-K Vol. 11th ed, Soc. & Behav. Vols. New position: Dir. policy res, Planning Res. Corp, 69. Address: 7902 Park Overlook Rd, Bethesda, Md. 20036.
- FERGUSON, DR. CHARLES A (LBERT). **Linguistics.** See 5th ed, Dir. Am. Scholars, Vol. III, For. Lang, Ling. & Philol.
- FERGUSON, PROF. CHARLES E. **Economics.** See A-K Vol. 11th ed, Soc. & Behav. Vols. New position: Prof, 68. Dept. of Economics, Texas A&M University, College Station, Tex. 77843.
- FERGUSON, DR. DONALD C (HARLES). **Medical Psychology.** See A-K Vol. 11th ed, Soc. & Behav. Vols. New information: On assignment as chief of party (resident adminstr), Johns Hopkins Center for Rural Medicine & Family Planning, Delhi, Ind. Address: Delhi LD/HFF (Narangwal), Dept. of State, Washington, D.C. 20521.
- FERGUSON, PROF. EVA D (REIKURS). **Psychology.** New position: Prof, 69. Dept. of Psychology, Southern Illinois University, Edwardsville, Ill. 62025.
- FERGUSON, GLENN WALKER. **Public Administration.** See A-K Vol. 11th ed, Soc. & Behav. Vols. New position & address: Chancellor, 69. Long Island University, Greenvale, N.Y. 11548.
- FERNANDEZ, DR. FRANK. **Anthropology.** See A-K Vol. 11th ed, Soc. & Behav. Vols. New information: Vis. assoc. prof, 69. Dept. of Sociology & Anthropology, College of Social Sciences, University of Puerto Rico, Rio Piedras, P.R. 00931.
- FERRARI, DR. MICHAEL RICHARD, b. Monongahela, Pa., May 12, 40; m. 64; c. 1. **MANAGEMENT, BUSINESS ADMINISTRATION.** B.A. Mich. State, 62, M.A., 63, Ford Found. fel, 67-68, D.B.A., 68. Resident adv. prog, 66-68; asst. dir. res, 66-68; asst. dir. residence hall prog, 66-68; asst. supt, 68-69; **ASST. PROF. MGT, KENT STATE, 68.** Summ. res, Kent State fel, 69. Am. Col. Testing Prog. res. fel, 70. Mem., N.A.M. Res. Group Mgt, 69. Acad. Mgt. Organizational behavior, change and psychology; organization theory; administration in higher education; group dynamics; behavioral science in administration. Publ: Profiles of American college presidents, *Div. Res. Mich. State Univ.* 70; The origins and careers of business, government and academic elites, *Calif. Mgt. Rev.* 70 & Careers of college presidents, *Bus. Topics*, 70. Address: Dept. of Management, 211 Franklin Hall, Kent State University, Kent, Ohio 44240.
- FERRARO, DR. DOUGLAS P (ETER). **Psychology.** See A-K Vol. 11th ed, Soc. & Behav. Vols. New position: Assoc. prof, 69. Dept. of Psychology, University of New Mexico, Albuquerque, N.Mex. 87106.
- FERSH, DR. SEYMOUR H. **History, Asian Studies.** See 5th ed, Dir. Am. Scholars, Vol. I, Hist.
- FEYERABEND, PROF. PAUL KARL. **History & Philosophy of Science, Aesthetics.** See 5th ed, Dir. Am. Scholars, Vol. IV, Philos. Relig. & Law.
- FIDURA, DR. FREDERICK GEORGE, b. Sturgeon Bay, Wis., July 14, 40; m. 66; c. 1. **PSYCHOLOGY.** A.B. Ohio, 62, M.A., 63; Ph.D. (psychol), Mich. State, 67. Instr. PSYCHOL, Mich. State, 67; **ASST. PROF. STATE UNIV. N.Y. COL. GENESEO, 67.** Nat. Inst. Ment. Health res. grant, 59-70. *Animal Behav.* Soc; Psychol. Assn. Role of attention in animal learning. Publ: Co-auth, Visual discrimination of color, pattern and form in the Japanese quail (*Coturnix coturnix japonica*), 5: 427-428 & auth, Selective attention and complex discrimination in the Japanese quail (*Coturnix coturnix japonica*), 15: 187-188; *Psychol. Monographs*, 68; co-auth, The relationship between pulse-to-cycle fraction and CFF, *Am. J. Psychol.* 78: 448-454. Address: Dept. of Psychology, State University of New York College at Geneseo, Geneseo, N.Y. 14454.
- FIEDLER, PROF. FRED E (DWARD). **Psychology.** See A-K Vol. 11th ed, Soc. & Behav. Vols. New position: Assoc. prof, 69. Dept. of Sociology, University of Washington, 201 Johnson Annex A, Seattle, Wash. 98105.
- FIELD, DR. HOWARD L., b. Buffalo, N.Y., May 1, 28; m. 60; c. 3. **PSYCHIATRY.** A.B. North Carolina, 49; M.D. Jefferson Med. Col., 54. **ASSOC. PROF. CLIN. PSYCHIAT, JEFFERSON MED. COL., 60.** U.S.N. 56-58, Lt. AAAS; Psychiat. Assn; Am. Med. Assn. Psychiatric treatment of patients in a general hospital. Address: Dept. of Clinical Psychiatry, Jefferson Medical College, 1025 Walnut St, Philadelphia, Pa. 19107.
- FIEDLER, DR. WILLIAM J (OSEPH). **Clinical Psychology.** See A-K Vol. 11th ed, Soc. & Behav. Vols. New information: Independent psychol. consult, 69. Address: 1447 E. San Miguel Ave, Phoenix, Ariz. 85014.
- FIELDS, DR. VICTOR. **Psychology.** See A-K Vol. 11th ed, Soc. & Behav. Vols. New position: Dir. personnel & training res. progs, Off. Naval Res. 69. Address: 13905 Northgate Dr, Silver Spring, Md. 20906.
- FIENBERG, DR. STEPHEN ELLIOTT, b. Toronto, Ont., Nov. 27, 42; m. 65; c. 1. **STATISTICS, MATHEMATICAL BIOLOGY.** B.Sc. Toronto, 64; M.A. Harvard, 65, Can. Coun. fel, 66-68, Ph.D. (statist), 68. Instr. psychol, Wellesley Col, 68; **ASST. PROF. STATIST. & MATH. BIOL, CHICAGO, 68.** Vis. asst. prof, Harvard, summer 69. AAAS Statist. Assn; Biomet. Soc. Inst. Math. Statist. Data analysis; foundations of statistical inference; analysis of counted data; stochastic modeling in biology; multivariate statistical inference. Publ: The geometry of an rxc contingency table, *Annals Math. Statist.* 63; Preliminary graphical analysis and quasi-independence for two-way contingency tables, *Appl. Statist.* 69; co-auth, Methods for eliminating zero counts in contingency tables, In: Random counts in scientific work, Pa. State Univ, 70. Address: Dept. of Statistics, University of Chicago, Chicago, Ill. 60637.
- FIFE, DR. CHARLES LYNN, b. Idaho Falls, Idaho, Nov. 28, 34; m. 58; c. 6. **AGRICULTURAL ECONOMICS, BUSINESS MANAGEMENT.** B.S. Brigham Young, 60; M.S. Oregon State, 61; Ph.D. (agr. econ), Purdue, 67. **ASST. PROF. AGR. ECON, VERMONT, 66.** Agr. Econ. Assn. Agricultural production economics; managerial decision-making process; economic feasibility analysis; milk marketing. Publ: Co-auth, Production, disposal and use of whey in Vermont, *Vt. Agr. Exp. Sta.* 69; auth, chap, In: Applications of management games in teaching and research, Ed. Methods, 66. Address: Dept. of Agricultural Economics, University of Vermont, Burlington, Vt. 05401.
- FIFER, DR. S. ANNE. **Physiological Psychology.** See 12th ed, Phys. & Biol. Vols.
- FIKS, DR. ALFRED I. **Psychology.** See A-K Vol. 11th ed, Soc. & Behav. Vols. New position & address: Acting head res. dept, 69. Test Development & Research Office, West African Examinations Council, PMB 1076, Yaba, Lagos, Nigeria.
- FILAS, F (RANCIS) (LAD). **Theology.** See 5th ed, Dir. Am. Scholars, Vol. IV, Philos. Relig. & Law.
- FILDES, PROF. JONATHAN E., b. Datchet, Eng., Feb. 15, 20; U.S. citizen; m. 54; c. 2. **INTERNATIONAL ECONOMICS & FINANCE.** B.Sc. London Sch. Econ, 40; M.A., London, 60, D.Sc. (adv. financial anal), 61. Consult. int. finance & mkt, 47-60; bus. develop. dir, *REA Express*, 60-62; distribution & planning mgr, Singer Co, 62-65; asst. to pres, Engrs, Inc, N.J., 65-66; **CITIBANK PROF. INT. FINANCE, THUNDERBIRD GRAD. SCH. INT. MGT, 66.** Adj. prof, exten. prog, State Univ. N.Y., 59-63; lectr, Am. Mgt. Assn, 60-65; summer bus. col. fel, Four Econ. Ed. 67. Mem. Brit. Inst. Practitioners Advnt. & Brit. Inst. Pub. Rel., 49. **Arbit. Assn. Mkt. Assn. International distribution logistics; development of econo-**

- metric technique to minimize margin of error in management decision making for penetration of foreign markets by qualitative-quantitative measurement of total environments. Publ. International physical distribution management, 68 & co-auth. The quantifier method, 68, Thunderbird Grad. Sch. Int. Mgt. auct. Big job: world-size distribution, Handling & Shipping, 68. Address: Dept. of International Commerce, Thunderbird Graduate School of International Management, P.O. Box 191, Phoenix, Ariz. 85001.
- FILMERMAN, DR. GARY LEWIS, b. Minneapolis, Minn., Nov. 16, 36; m. 62; c. 3. HEALTH SERVICES ADMINISTRATION, POLITICAL SCIENCE. B.A., Minnesota, 58, Phillips Found. fel. 59-60, M.H.A., 61, W.K. Kellogg Found. fel. 61-63, M.A., 63, Ph.D. (health admin.), 70. Am. States fel. 61-63. Mem. Fund travel fel. 64. Dir., Hungarian Student Reception Center, 56-57; admin. resident, Johns Hopkins Hosp., 61-62; guest scholar, Brookings Inst., 62; full-time res. Nat. Health Serv. Chile, 64; asst. to dir., Minn. Hosp. Assn., 65; EXEC. DIR. ASIN. UNIV. PROGOS. HOSP. ADMIN., 65; EXEC. SECY. ACCREDITING CMN. GRAD. ED. FOR HOSP. ADMIN., 68. Observer, WHO Conf. Health Care Admin., Bogota, 66; Hosp. Conf. West. Europe, London, 68; v.chmn., Fedn. Schs. Health Professions, 69-70. Consult., W.K. Kellogg Found.-Univ. Chile, 66 & Univ. Mexico, 67. Mem. joint com. med. care ed., 66; cmt. library serv. Am. Hosp. Assn., 66-; adv. panel state licensure, 68; Nat. Coun. Univ. Res. Adminstr. Assn. Am. Med. Colls; fel. Pub. Health Assn. Col. Hosp. Adminstr. Gerontology; political behavior; political aspects of health services administration, particularly in Latin America. Publ.: The teaching of preventive and social medicine at the University of Chile, J. Med. Ed., 6/69; Administrative leadership for health planning, Hosp. Admin., fall 69. Address: one DuPont Circle, Washington, D.C. 20036.
- FILION, DR. ROSS DENIS LAURENT, b. Cleveland, Ohio, Oct. 17, 34; m. 59; c. 2. EXPERIMENTAL PSYCHOLOGY. M.A., Princeton, 62, Ph.D. (psychol.), 64. Instr. PSYCHOL., Princeton, 63-64, res. assoc. 64-67, mem. res. staff, 67-68; INSTR. PENNSYLVANIA, 68. U.S.A. 55-58. Research on behavior modification treatment of obesity: research on dynamics of operant responding; research on perception of time-varying stimulus magnitudes. Publ.: Co-auth. Psychophysical evaluation of feedback phenomena as related to force emission; some methodological considerations, Am. J. Psychol., 69. Some effects of simultaneous force-proportional positive and negative reinforcement, J. Exp. Psychol., & Some effects of prefeeding and training upon rate and precision of the bar-pressing response, J. Comp. & Physiol. Psychol., (in press). Address: Dept. of Psychiatry, University of Pennsylvania, Philadelphia, Pa. 19104.
- FINDLAY, DR. DONALD CHARLES. Educational Psychology. See A-K Vol. 11, 11th ed. Soc. & Behav. Vols. New position & address: Dir., 69-, Education & Training Sciences Dept., Naval Medical Research Institute, Bethesda, Md. 20014.
- FINDLER, DR. NICHOLAS V(ICTOR). Computer Science, Applied Mathematics. See Suppl. V to 11th ed. Phys. & Biol. Vols.
- FINDLEY, DR. JACK D. b. Hillsboro, Tex. Feb. 13, 30; m. 64; c. 2. PSYCHOLOGY. A.B., Baylor, 52; Ph.D. (exp. psychol.), Columbia, 54. Res. assoc. exp. psychol., U.S. Navy Sch. Aviation Med. 55-58; psychopharmacol., Maryland, 58-60, asst. prof. psychol., 61-63; asst. dir. Inst. Behav. Res., 63-68; ASSOC. PROF. BEHAV. BIOL., SCH. MED., HOPKINS, 68. Assoc. prof. Sch. Med., Maryland, 67-68; grants, NASA, Nat. Inst. Ment. Health & Asn. Ed. & J. Exp. Anal. Behav. Consult., Walter Reed Army Inst. Res., 63-U.S.N.R., Lt.(g). Fel. AAAS; fel. Psychol. Asn. Operant conditioning; experimental psychology; psychopharmacology; behavioral biology. Publ.: An experimental outline of multi-operant repertoires, J. Exp. Anal. Behav., 62; Environments for experimental analysis of human behavior, In: Operant behavior and psychology, Appleton, 66. Address: Dept. of Behavioral Biology, Johns Hopkins University School of Medicine, 725 N. Wolfe St., Baltimore, Md. 21218.
- FINE, DR. PAUL A. Social Psychology. See A-K Vol. 11th ed. Soc. & Behav. Vols. New information: Ph.D., Rutgers, 69. Address: 401 E. 86th St., Apt. 2B, New York, N.Y. 10028.
- FINE, DR. SHERWOOD MONROE. Economics. See A-K Vol. 11th ed. Soc. & Behav. Vols. New position: Prof. econ., Washington & Lee, 70- Address: 2128 Wyoming Ave. N.W., Washington, D.C. 20008.
- FINGARETTE, PROF. HERBERT. Philosophy. See 5th ed. Dir. of Am. Scholars, Vol. IV, Philos., Relig., & Law.
- FINIFTER, DR. BERNARD M. b. Baltimore, Md., Oct. 7, 35; m. 60. SOCIOLOGY, SOCIOLOGY. B.A., Antioch Col., 59; M.A., Michigan, 62. Nat. Inst. Ment. Health fel., Wisconsin, Madison, 66-67, summers, univ. fcls, 66 & 67, Ph.D. (sociol.), 68. Prof. sociol., Cath. Univ. Caracas, 63-64; ASST. PROF. SOCIOLOGY, MICH. STATE, 67. Social Asn. Personality and social structure: theory of political and social participation patterns; multivariate statistical methodology; cross-cultural comparative research. Address: Dept. of Sociology, Michigan State University College of Social Science, East Lansing, Mich. 48823.
- FINK, DR. CLINTON (REDERICK). Sociology, Social Psychology. See A-K Vol. 11th ed. Soc. & Behav. Vols. New information: Ed., J. Conflict Resolution, 69- Address: 610 Huron View Blvd., Ann Arbor, Mich. 48103.
- FINK, DR. DONALD LLOYD. Pediatrics. See Suppl. V to 11th ed. Phys. & Biol. Vols.
- FINKELSTEIN, LAWRENCE S(TANLEY). Government, Public Law. See A-K Vol. 11th ed. Soc. & Behav. Vols. New position: Secy. & res. assoc., center int. affairs, Harvard, 69- New publ. Ed. & contrib. The United States and international organization: the changing setting, M.I.T., 69. Address: 4 Upland Rd., Lexington, Mass. 02173.
- FINLEY, DR. GORDON ELLIS, b. Evanston, Ill., July 30, 39. DEVELOPMENTAL PSYCHOLOGY. B.A., Antioch Col., 62; M.A., Harvard, 65, Ph.D. (soc. psychol.), 68. ASST. PROF. PSYCHOL., British Columbia, 67-69; TORONTO, 69. Ed. res. Inst. British Columbia res. grant, 68-69; res. grant, Univ. British Columbia, 68-69; Can. Coun. res. grant, 69-70; summers, Soc. Sci. Res. Coun. award to attend Int. Cognitive Develop., 64, Internat. Proj. Behav. Sci. field work grant, Yucatan, Mex., 65. Am. Psychol. Assn. travel award to Interam. Cong. Psychol., Lima, Peru, 66. Psychol. Asn. Soc. Res. Child Develop.; Soc. Psychol. Study Social Issues; Interam. Soc. Psychol. Social-cognitive development; development of persuasive skills; social development in infancy; cross-cultural research. Publ.: Co-auth. The child's differential attention to regular and distorted human forms and faces, Proc. Cong. Interam. Soc. Psychol., Mex. 67 & Play behavior in young children: a cross-cultural study, J. Genetic Psychol., (in press). Address: Dept. of Psychology, University of Toronto, Toronto 181, Ont., Can.
- FINNER, DR. STEPHEN L. b. Newark, N.J., May 4, 38; m. c. 2. SOCIOLOGY, DEMOGRAPHY. A.B., Colby Col., 60; Ph.D. (sociol.), Brown, 68. ASST. PROF. SOCIOLOGY, Maine, 65-68; DELAWARE, 68. Social Asn. Statist. Asn.; Pop. Asn. Am. The intersection of population processes and religion in society for both individuals and institutions; measurement of religiosity. Publ.: Co-auth. Prospects for fewer births by delayed marriage in Punjab villages, Demography, 3: 209-217; auth. The relation between religious commitment and attitudes toward induced abortion, Social. Anal., spring 69. Address: Dept. of Sociology, University of Delaware, Newark, Del. 19711.
- FINNIE, DR. BRUCE. Sociology, Social Psychology. See A-K Vol. 11th ed. Soc. & Behav. Vols. New position & address: Registrar, 69-, Princeton University, 115 West College, Princeton, N.J. 08540.
- FINSTER, DR. RONALD D. b. Beloit, Wis., June 28, 36; m. 62; c. 3. ECONOMIC. B.S., Arizona, 59, M.B.A., 61, Ph.D. (econ.), 62. Econ. Asn. econ., Arizona, 68-69; asst. prof. ECON., TEXAS A&I, 69-70, ASSOC. PROF., 70- Econ. Asn.; Water Resources Asn.; Agr. Econ. Asn. Economics of natural resources, especially water resources. Publ.: Improving water resource allocation through demand-oriented water policy, Proc. Water Resources Asn., 70. Address: Dept. of Economics, Texas A&I University, Kingsville, Tex. 77633.
- FIRESE, DR. HARVEY, b. Vienna, Austria, Dec. 28, 29; U.S. citizen; m. 59; c. 2. POLITICAL SCIENCE. A.B., Harvard, 52, A.M., 55; fel. Free Univ. Berlin, 53-54; summer, N.Y. State Ed. Dept. fel. Cornell, 55; Ph.D. (polit. sci.), New Sch. Soc. Res., 68. Info. specialist, U.S. Atomic Energy Com., 57-58; asst. ed., Palmetum Publ. Co., 59-60; ed., Am. Cyanamid Co., 60-61; writer-ed., Am. For. Policy Asn., 61-62; free-lance, U.S., 62-64; asst. prof. POLIT. SCI., N.Y. Inst. Tech., 64-68; ASSOC. PROF. ITHACA COL., 68. Intl. C. U.S.A., 55-57. Polit. Sci. Asn. Adv. Slavic Studies. Political controls in Soviet culture, especially religion and literature; Soviet foreign policy toward Southeast Asia. Publ.: Co-auth. Berlin (pamphlet), For. Policy Asn., Inc., 61; auth. Ikon and swastika: the Russian Orthodox Church under Nazi and Soviet control, Harvard Univ., 70. The concept of the legislator in Rousseau's Social contract, Rev. Polit., spring 70. Address: Dept. of Political Science, Ithaca College, Ithaca, N.Y. 14850.
- FIRESTONE, DR. FREDERICK (NORBERT). Economics. See A-K Vol. 11th ed. Soc. & Behav. Vols. New position & address: Prof. & chmn., 70-, Dept. of Economics, Illinois State University, Normal, Ill. 61761.
- FISCH, DR. MARTIN L. Clinical Psychology. See A-K Vol. 11th ed. Soc. & Behav. Vols. New information: On leave from L.I. Col. Hosp. as pres., Medici Fund, 70- Address: Laurelwood Dr., Mountain Lakes, N.J. 07046.
- FISCH, DR. RALPH I. b. Detroit, Mich., July 3, 28; m. 56; c. 2. CLINICAL PSYCHOLOGY, SPEECH PATHOLOGY. A.B., Wayne State, 51, M.A., 53; fel., Kansas, 57-59, Ph.D. (clin. psychol.), 60. Staff psychologist, Vet. Admin. Consol. Center, Wadsworth, Kans., 60-62; chief psychologist, Wyandotte County Guid. Center, Kansas City, 62-63; Wichita Psychol. Center, 63-68; ASSOC. PROF. CLIN. PSYCHOL., HOUSTON, 68. Consult., Kans. State Bd. Rehab., 62-68; Head Start, 68-; St. Joseph's Hosp. & Ment. Health Center, 69- U.S.A., 53-55. Psychol. Asn. Conditioning of attention and perceptual learning; outcome in group and individual psychotherapy; personality and learning disability problems in children. Publ.: Co-auth. Effect in etiology and maintenance of mental deficiency, J. Clin. Psychol., 55; The attributed meaning of an unstructured stimulus, 63 & auth. Conditioning of attention in perceptual learning, 65, Perceptual & Motor Skills. Address: Dept. of Psychology, University of Houston, Houston, Tex. 77004.
- FISCHER, DR. CONSTANCE T (AYLOR). b. Oahu, Hawaii, July 29, 38; m. 64; c. 1. CLINICAL PSYCHOLOGY. B.A., Oklahoma, 60; M.A., Kentucky, 63, Ph.D. (psychol.), 66. Clin. psychol. trainee, U.S. Vet. Admin. Hosp., Lexington & Louisville, Ky., & Pittsburgh, Pa., 61-66; ASST. PROF. PSYCHOL., DUKE UNIV., 66. Auth. Development of a philosophical foundation for psychology as a human science, and of appropriate research methods for this approach. Publ.: Social schemas: response sets or perceptual meanings?, J. Personality & Soc. Psychol., Vol. 10, No. 1; Intelligence defined as effectiveness of approaches, J. Consult. & Clin. Psychol., Vol. 33, No. 6; The testee as co-evaluator, J. Counseling Psychol., Vol. 17, No. 1. Address: Dept. of Psychology, Duquesne University, Pittsburgh, Pa. 15219.
- FISCHER, PROF. ERIC. Geography. See A-K Vol. 11th ed. Soc. & Behav. Vols. New information: Teacher, Montgomery Col., 69-; Cath. Univ., 70- Address: 301 Philadelphia Ave., Takoma Park, Md. 20012.
- FISCHER, DR. GEORGE. Sociology. See A-K Vol. 11th ed. Soc. & Behav. Vols. New position & address: Prof., 69-, Dept. of Sociology, Richmond College, City University of New York, Staten Island, N.Y. 10301.
- FISCHER, DR. HENRY (LOUIS). b. Strasburg, N.Dak., Nov. 4, 37; m. 62. c. 2. CLINICAL PSYCHOLOGY. B.A., St. John's (Minn.), 59; U.S. Pub. Health Serv. fcls., Washington (Seattle), 59-60 & 64-65, M.S., 62, Ph.D. (psychol.), 65. Fel. clin. psychol., Judge Baker Guid. Center, Mass., 65-66; staff psychologist, JOHN F. KENNEDY CHILD DEVELOP. CENTER, SCH. MED. COLORADO, 66-69, CHIEF PSYCHOLOGIST & ASST. PROF. PSYCHIAT., 69- U.S.A.R., 57-63. Psychol. Asn. Child development and personality theory; cognitive processes in learning problems and perceptually-handicapped children; school consultation. Publ.: School consultation in a special education setting, Psychol. in Schs., Vol. VI, No. 1; co-auth. Assessment of per-

ceptual development, *Am. J. Occup. Ther.*, Vol. XXIII, No. 5. Address: University of Colorado School of Medicine, 4200 E. Ninth Ave., Denver, Colo. 80220.

FISCHER, PROF. MONROE CARL, b. Scranton, Pa. ECONOMICS. B.A., Duke, 37, M.A., 38; Ph.D.(econ), American Univ., 65. Asst. prof. econ. & finance, The Citadel, 48-49; econ. & statist., Bucknell, 49-53; econ. & finance, Lafayette Coll., 54-55; assoc. prof. econ. & statist., Va. Polytech., 55-61; PROF. ECON. & STATIST. & CHM. DEPT. ECON. & FINANCE, LAS VEGAS, 62- Econ. Asn.; Regional Sci. Asn. Statistical and financial analysis. Address: Box 2672, Las Vegas, Nev. 89104.

FISCHER, DR. WILLIAM G. b. Pittsburgh, Pa. May 8, 34; div. c. 2. CLINICAL PSYCHOLOGY. B.A., Waynesburg Coll., 56; M.A., Kent State, 60; Ph.D. (psychol), Ill. Inst. Tech., 70. Psychologist, Chicago Pub. Schs., 60-64; DIR. DEPT. PSYCHOL. SCHWAB REHAB. HOSP., 65- Clin. assoc., Chicago Med. Sch., 66- Consult., Chicago Cath. Schs., 63-; Ill. Div. Voc. Rehab. & Old Age & Survivors Ins. Prog., 63-; Parkview Home for Aged, 65- U.S.A., 58-60. Assoc. Psychol. Asn.; Nat. Rehab. Asn. Chid. physical disability & community psychology in a clinical capacity. Publ. Schizophrenic language, *Am. Psychol.* Asn., 59 & Family therapy for aphasics, *Ill. Group Ther. J.*, 67. Address: 188 N. Wabash, Chicago, Ill. 60601.

FISH, DR. JAMES FRANKLIN, JR. Biological Oceanography, Animal Behavior. See Suppl. VI to 11th ed. Phys. & Biol. Vols.

FISHEL, PROF. WESLEY R(OBERT). Political Science. See A-K Vol. 11th ed. Soc. & Behav. Vols. New information: Vis. res. prof. gov't. Southern Illinois & ed. Southeast Asia Int. Quart. Address: 4572 Ottawa Dr., Okemos, Mich. 48864.

FISHER, DR. ANTHONY CLINTON, b. Washington, D.C., Dec. 19, 40. ECONOMICS. A.B. Columbia Coll., 62; Ph.D.(econ), Columbia, 68. Economist, Inst. Defense Anal., 64-65; ASST. PROF. ECON. BROWN, 66- Resources for Future, Inc. res. grant, 70. Econ. Asn.; Economet. Soc. Problems of human resource allocation; economics of environmental quality, including the relation of population growth to quality and the optimum use of natural areas. Publ. Co-auth. Cost-effectiveness analysis for the war on poverty, In: Cost-effectiveness analysis, Praeger, 67; auth. The cost of the draft and the cost of ending the draft, *Am. Econ. Rev.*, 6/69; co-auth. Marginal product of labor, wages and disequilibrium, *Rev. Econ. & Statist.*, 11/69. Address: Dept. of Economics, Brown University, Providence, R.I. 02912.

FISHER, DR. CHARLES SAMUEL, b. Chicago, Ill., May 4, 38. SOCIOLOGY. B.S., Chicago, 59, M.S., 60; Ph.D.(math), California, Berkeley, 64. Nat. Sci. Found. fel. SOCIOL., Princeton, 65-66; Soc. Sci. Res. Coun. res-training fel., Courant Inst. Math. Sci., N.Y. Univ., 66-67; ASST. PROF. BRANDEIS, 67- Functional analysis, 1964-65; sociology, history and philosophy of science; collective behavior and social movements; field work and ethnography. Publ. The death of a mathematical theory, *Archive Hist. Exact Sci.*, 66; The last invariant theorists, *European J. Sociol.*, 67. Address: Dept. of Sociology, Brandeis University, Waltham, Mass. 02154.

FISHER, DR. DOUGLAS. Economics. See A-K Vol. 11th ed. Soc. & Behav. Vols. New information: Vis. sr. lectr., 69-; Dept. of Economics, University of Essex, Colchester, Essex, Eng.

FISHER, PROF. FRANCIS JOHN FULTON. Evolutionary Biology, Plant Physiology. See Suppl. VI to 11th ed. Phys. & Biol. Vols.

FISHER, DR. HILDA B. Linguistics. See A-K Vol. 11th ed. Soc. & Behav. Vols. New information: Also lectr. otolaryngol. sch. med, Northwestern, 68- Address: 2541 Kingston Dr., Northbrook, Ill. 60062.

FISHER, DR. JAMES L(EE). Counseling Psychology. See A-K Vol. 11th ed. Soc. & Behav. Vols. New position & address: Pres., 69-, Towson State College, Baltimore, Md. 21204.

FISHER, JACOB, b. Warsaw, Poland, Feb. 4, 05; U.S. citizen; m. 32; c. 2. SOCIAL SCIENCE. B.S., N.Y. Univ., 26, M.S.S., 31. Res. analyst, Soc. Security Admin., 43-54; DR. MANPOWER, ED. & HEALTH STUDIES, SURV. & RES. CORP., 57- Manpower; education; health; welfare. Publ. Co-auth. The market for steel in Mexico, Praeger, 64; auth. The psychiatric aide in state mental hospitals, *Nat. Inst. Ment. Health*, 65; co-auth. Junior college teachers of science, engineering and technology, *Nat. Sci. Found.*, 69. Address: Surveys & Research Corporation, 1828 L St. N.W., Suite 702, Washington, D.C. 20036.

FISHER, PROF. JOHN KARL, b. Hornell, N.Y., Feb. 18, 31; m. 59; c. 2. COUNSELING & GUIDANCE. EDUCATIONAL ADMINISTRATION. B.A., Alfred, 52, M.S., 53, summers, Nat. Sci. Found. fcls. Pa. State, 58 & 59; Ed.D. (counseling & ed. admin.), Maryland, 64; Maine, summer 66. Instr. pub. schs., Md., 55-62; res. asst. bur. ed. res. Univ. Maryland, 62-63, staff assoc. interpnrl. res. cmn. pupil serv., 63-65, asst. dir., 65-66; assoc. prof. counseling & guid. Pa. State, 66-67; PROF. PSYCHOL. & GUID. EDINBORO STATE COL., 67-; ASSOC. DEAN ACAD. AFFAIRS, 69-, asst. dean grad. sch., 68-69. Res. grants, Univ. Maryland, 65, Pa. State Univ., 67 & Pa. Sch. & Eng. Found., 69; lectr., Univ. Maryland, 65-66; asst. prof. lectr., George Washington Univ., 65-66. Chem. C., U.S.A., 53-55, Sgt. Personnel & Guid. Asn.; Asn. Couns. Ed. & Supv. Sex differences in learning and school performance; sex differences in counseling effectiveness; role perceptions in pupil services; questionnaire development and survey procedures. Publ. ed. & co-auth. Northwestern Pennsylvania science and engineering studies, 1968, *Pa. Sci. & Eng. Found.*, 68; auth. Sex difference in pupil and teacher social roles in the classroom, *Psychol. in Schs.*, 4/68 & Subprofessionals in pupil personnel services, *Bull. Nat. Asn. Sch. Sch. Prin.*, 1/68. Address: Administration Bldg., Edinboro State College, Edinboro, Pa. 16412.

FISHER, PROF. JOSEPH T., b. Neosho Falls, Kans., Sept. 23, 10; m. 46; c. 2. EDUCATIONAL PSYCHOLOGY. A.B. Ft. Hays Kans. State Col., 33; M.A., Colo. State Col. ed., 48; Ed.D.(ed. psychol), Nebraska, 55. Asst. prof. ED.

PSYCHOL., Hastings Col., 49-52, assoc. prof., 52-54; lectr., Nebraska, 54-55; assoc. prof., SOUTH DAKOTA, 55-59; PROF., 59-, CHM. DEPT., 55- Consult., Nat. Asn. Accreditation Teacher Ed., 63-69; U.S. Off. Ed., 64-65. U.S.A., 42-45, T/Sgt. Nat. Soc. Study Ed.; Personnel & Guid. Asn.; Asn. Couns. Ed. & Supv. Development and standardization of tests for the measurement of personality. Address: 900 James Ave., Vermillion, S.Dak. 57069.

FISHER, PROF. LAWRENCE, b. Los Angeles, Calif., Oct. 19, 29; m. 57, 68; c. 2. ECONOMICS. B.A., Pomona Col., 51; A.M., Chicago, 55, Earhart Found. fel., 55-56, Ph.D. (econ), 56. Economist, Rand Corp., 56-57; asst. prof. FINANCE, GRAD. SCH. BUS. CHICAGO, 57-63, assoc. prof., 63-68, PROF., 68-; ASSOC. DIR. CENTER RES. IN SECURITY PRICES, 60- Summer lectr., California, Los Angeles, 66. Consult., various industries; mem. adv. cnt. measuring investor performance of pension funds, *Bank Admin.* Inst., 66-69. Econ. Asn.; Statist. Asn.; Economet. Soc. Analysis of behavior of securities prices and return from investment; computer programming for construction, maintenance, and analysis of very large files of data. Publ. Determinants of risk premiums on corporate bonds, *J. Polit. Econ.*, 59; co-auth. Rates of return on investments in common stock, *J. Bus.*, 64, 68; auth. Master file of data on common stocks listed on the New York Stock Ex. changed, 1926-66 (magnetic tape), *Standard Statist.*, 67. Address: Dept. of Finance, Graduate School of Business, University of Chicago, Chicago, Ill. 60637.

FISHER, PROF. M(ILES) BRUCE. Psychology. See A-K Vol. 11th ed. Soc. & Behav. Vols. New information: No longer assoc. v.p.res. acad. planning, Dept. of Psychology, Fresno State College, Fresno, Calif. 93726.

FISHER, DR. RHODA LEE. Clinical Psychology. See A-K Vol. 11th ed. Soc. & Behav. Vols. New information: Clin. psychologist, 69- Address: 214 Brookford Rd., Syracuse, N.Y. 13224.

FISHER, DR. STANLEY HERBERT. Psychology. See A-K Vol. 11th ed. Soc. & Behav. Vols. New position: Assoc. prof., Connecticut, 69- Address: 204 Scott Dr., Manchester, Conn. 06040.

FISHER, DR. WILLIAM HALDER. Economics, Statistics. See A-K Vol. 11th ed. Soc. & Behav. Vols. New position: Fel., 69-, Battelle Memorial Institute, Room 291H, 505 King Ave., Columbus, Ohio 43201.

FISHKIN, DR. STEVEN (MARK), b. New York, N.Y., Nov. 9, 37; m. 60; c. 2. PSYCHOLOGY. B.A., Shimer Coll., 57; M.A., Chicago, 68, Ph.D.(psychol), 68. ASST. PROF. BEHAV. SCH. MED. OKLAHOMA, 69- Res. psychologist, Vet. Admin. Hosp., 68. Psychol. Asn. Relations among perceptual, conceptual, psychopathological and psychophysical variables. Publ. Co-auth. Effects of naming upon learning and transfer of learning in the mentally retarded, *Am. J. Ment. Deficiency*, 68; auth. Conditioning the spiral aftereffect, 69 & Passive vs. active eye movements and other variables related to the occurrence of hand adaptation to lateral displacement, 69, *Perceptual & Motor Skills*. Address: Dept. of Psychiatry & Behavioral Science, University of Oklahoma Medical Center, 900 N.E. 13th St., Oklahoma City, Okla. 73104.

FISK, PROF. MCKEE. Business Economics. See A-K Vol. 11th ed. Soc. & Behav. Vols. New information: Emer. prof. bus. admin. & emer. dean sch. bus., Fresno State Col., 69-; prof. bus. admin., 69-, Graduate School of Business, University of Santa Clara, Santa Clara, Calif. 95053.

FISS, DR. HARRY. Psychology. See A-K Vol. 11th ed. Soc. & Behav. Vols. New position: clin. training, 69-; Dept. of Psychiatry, Division of Psychology, Albert Einstein College of Medicine, Bronx, N.Y. 10461.

FISZMAN, DR. JOSEPH R. Political Science. See A-K Vol. 11th ed. Soc. & Behav. Vols. New position: Acting dir. inst. comp. exp. res. in behav. systs., Oregon, 69- Address: 2640 E. 43rd St., Eugene, Ore. 97405.

FITTING, DR. JAMES E. Anthropology. See A-K Vol. 11th ed. Soc. & Behav. Vols. New position & address: Assoc. prof., 68-; Dept. of Anthropology, Case Western Reserve University, Cleveland, Ohio 44106.

FITZGERALD, DR. HIRAM E., b. Columbia, Pa., Nov. 12, 40; m. 63; c. 2. DEVELOPMENTAL PSYCHOLOGY, PSYCHOPHYSIOLOGY. B.A., Lebanon Valley Coll., 62; M.A., Denver, 64, Nat. Inst. Ment. Health traineeship, 65-67, Ph.D.(develop. psychol), 67. Instr. PSYCHOL. Mercy Hosp. Sch. Nursing, Denver, Colo., 65-66; ASST. PROF. MICH. STATE, 67- Consult., Dr. Lawrence Caster, State Univ. N.Y. Col. Genesee, 68- AAAS; Soc. Res. Child Develop. Psychol. Asn.; Int. Soc. Develop. Psychobiol.; Soc. Psychol. Study Social Issues. Conditioning and learning in human infants, particularly sensory stimulation; developmental psychophysiological correlates of attention. Publ. Co-ed. Studies in human development, Dorsey, 70 & Design and method in infant research, University Chicago, (In press); co-auth. Development of the sensory analyzers during infancy, In: Advances in child development and behavior, Acad. Press, 69; plus others. Address: Dept. of Psychology, Michigan State University, East Lansing, Mich. 48823.

FITZGERALD, PROF. JOHN LOYOLA. Law. See 5th ed. Dir. Am. Scholars, Vol. IV, Philos. Relig. & Law.

FITZGERALD, DR. JOSEPH A(RTHUR). Medicine, Psychiatry. See Suppl. V to 11th ed. Phys. & Biol. Vols.

FITZGERALD, PROF. SHERMAN KIRKHAM. Sociology. See A-K Vol. 11th ed. Soc. & Behav. Vols. New position & address: Prof., 69-, Dept. of Sociology, University of Redlands, Redlands, Calif. 92373.

FITZHUGH, DR. KATHLEEN B(ELL). Psychology. See A-K Vol. 11th ed. Soc. & Behav. Vols. New position & address: Assoc. prof. psychol., 69-, Dept. of Physical Medicine & Rehabilitation, Box 43, Tufts University Medical School, 171 Harrison Ave., Boston, Mass. 02111.

FITZPATRICK, DR. ALBERT ARTHUR, b. Los Angeles, Calif., Mar. 25, 25; m. 50; c. 4. BUSINESS, ECONOMICS. B.S., Southern California, 49, M.B.A.,

- 51, Ph.D.(econ), 62; M.S. Baylor, 56. Contracting officer & pricing specialist, U.S. Govt. Defense Contracts, 56-62; asst. & assoc. prof. econ, U.S. Air Force Acad., 62-66; ASSOC. PROF. Finance, Colorado, 66-67; BUS. & ECON. MAJOR, PORTLAND, 68. Finance Assn; Econ. Assn. Government defense contracting and pricing on major weapon system; investment analysis for institutional investors combining risk and return relationships. Publ: Pricing methods of industry, Pruett, 65; Pricing in marketing, Int. Cor. Schs, 68; co-auth, Modern handbook of marketing, McGraw, 70. Address: Dept. of Business & Economics, University of Maine, Portland, Maine 04107.
- FITZPATRICK, PROF. EUGENE D(UGLAS).** Educational Psychology. See A-K Vol, 11th ed, Soc. & Behav. Vols. Change of address: 1314 Viola Dr, Normal, Ill. 61761.
- FITZSIMMONS, PROF. JAMES G.** b. Newark, N.J., May 3, 35; m. 59. GEOGRAPHY, EDUCATION. B.A., Montclair State Col, 57; M.A., Paterson State Col, 62; M.A., Oklahoma, 65; fel. Columbia, 65-67; M.A., 65. Teacher, pub. schs, N.J., 58-64, chmn. dept. soc. studies, 63-64; teaching asst. geog., Oklahoma, 64-65; instr. soc. studies, Teachers Col., Columbia, 65-66; ASST. PROF. GEOG., PATERSON STATE COL, 66. Instr., Hunter Col, 65-66. Participant, Nat. Defense Ed. Act Inst. High Sch. Geog. Proj., Univ. Maryland, 68; Nat. Defense Ed. Act Inst. Geront. in Higher Ed., 69. U.S.A.R., 63-68. Asn. Am. Geog.; Am. Geog. Soc.; Nat. Coun. Geog. Ed. Population geography and environmental studies; physical geography and geology. Publ: Geography in the secondary schools of Oklahoma, Univ. Oklahoma, 6/65; co-auth, Man, culture, and geography, J. Geog., 10/69. Address: 3-E Colonial Dr, Little Falls, N.J. 07424.
- FITZSIMMONS, DR. STEVEN J.** b. Brooklyn, N.Y., July 20, 36. PSYCHOLOGY. B.S., Northwestern, 58; M.S., Washington State, 60; Ph.D.(psychol), Houston, 66. Dir. Chicago Commons Settlement House, 57; intern psychol., U.S. Vet. Admin., 60; consult. youth progrs., Jewish Community Center, Houston, Tex., 60-66; V.PRES. SOC. SCI. RES. & DEVELOP. ART ASSOC'S. INC., 66-68. Sr. consult. Off. of President, Bur. of Budget, 68-69; Off. Econ. Opportunity, 69-70; Rehabilitating Serv. Admin. Dept. Health, Ed. & Welfare, 70. Psychol. Assn; Soc. Psychol. Study Social Issues; Acad. Polit. & Soc. Sci. Community theory; rural and urban comprehensive program development; public policy formation; social-economic conditions; underdeveloped countries. Publ: Co-auth, Impact of television documentaries, Pub. Opinion Quart., winter 68, School failures; now or tomorrow, J. Develop. Psychol., 2/69 & An evaluation of the neighborhood centers pilot program, Exec. Off. of President, Bur. of Budget, 9/69. Address: ABT Associates Inc, 55 Wheeler St, Cambridge, Mass. 02138.
- FLAHERTY, DR. CHARLES FOSTER, JR.** Psychology. See Suppl. VI to 11th ed, Phys. & Biol. Vols.
- FLAMER, DR. GEORGE B.** Child Psychology. See A-K Vol, 11th ed, Soc. & Behav. Vols. New position & address: Asst. prof. psych., 65; Division of the Social Sciences, University of Minnesota, Morris, Minn. 56267.
- FLANAGAN, DR. BRUCE C.** b. Neenah, Wis., July 31, 29; m. 51; c. 3. SPEECH PATHOLOGY, BEHAVIORAL SCIENCE. B.S., Western Michigan, 53; M.S., Southern Illinois, 56; Ph.D.(speech), Florida, 66; Asst. prof. behav. sci., South Florida, 60-66; ASSOC. PROF. SPEECH, KANSAS STATE, 66. U.S.A., 46-48. Speech & Hearing Assn. Speech science; behavioral analysis. Publ: Co-auth, Operant stuttering: the control of stuttering behavior through response contingent consequent, J. Exp. Anal. Behav., 58; Instantiation of stuttering in normally fluent individual, Science, 59; Disinhibition and external inhibition under auditory/visual operant conditioning, Psychonomic Sci., 64. Address: Speech Pathology and Audiology Program, Kansas State University, Manhattan, Kans. 66502.
- FLANDERS, DR. JAMES PRESCOTT, b.** Cornwall, N.Y., Nov. 12, 42; m. 66; c. 1. PSYCHOLOGY, SOCIAL PSYCHOLOGY. B.S., Illinois, Urbana, 64; M.A., Vanderbilt, 66; Ph.D.(psychol), 68. Res. asst. exp. psychol., Illinois, Urbana, summer 62; res. clin. psychol., Elgin State Hosp., Ill., summer 64; res. asst. soc. psychol., Vanderbilt, summer 65; psychologist, dept. exp. psychophysiol., Walter Reed Army Inst. Res., Walter Reed Army Med. Center, D.C., 68-70; ASST. PROF. SOC. PSYCHOL., BOWLING GREEN STATE, 70-Med.Serv.C., U.S.A., 68-70, Capt. Psychol. Assn. Group risk taking; imitation; objective determinants of interpersonal behavior; skill objective interpersonal behavior; learning, especially facilitation of learning by visual imagery; education, especially effectively reinforcing learning behavior and self-paced instruction. Publ: Co-auth, Effects of familiarization and group discussion upon risk taking, J. Personality & Soc. Psychol., 67; auth, A review of research on imitative behavior, Psychol. Bull., 68; co-auth, Effects of informative and justificatory variables upon imitation, J. Exp. Soc. Psychol., 70. Address: Dept. of Psychology, Bowling Green State University, Bowling Green, Ohio 43402.
- FLEER, DR. JACK DAVID.** Political Science. See A-K Vol, 11th ed, Soc. & Behav. Vols. New position: Assoc. prof. & chmn., 69-. Dept. of Political Science, Wake Forest University, Box 7565, Reynolda Station, Winston-Salem, N.C. 27109.
- FLERON, DR. FREDERIC JOSEF, JR.** b. Boston, Mass., Oct. 4, 37; m. 64; c. 1. POLITICAL SCIENCE. A.B., Brown, 58; A.M., 61; Ford Found., 64. Area fel., Indiana, 61-62, Ph.D.(polit. sci.), 68. Instr. POLIT. SCI., Kentucky, 65-68, asst. prof., 69-70; ASSOC. PROF., STATE UNIV. N.Y., BUFFALO, 70- Mem. planning group comp. Communist studies, Am. Coun. Learned Soc., 69-70. Polit. Sci. Assn; Sociol. Assn; Asn. Adv. Slavic Studies. Logic of inquiry in social sciences; mechanisms of adaptation to change in Communist political systems; comparative Communist political systems; political philosophy; political socialization; organization theory. Publ: Communist studies and the social sciences: essays on methodology and empirical theory, Rand McNally, 69; Co-optation as a mechanism of adaptation to change: the Soviet political leadership system, Polity, winter 69; co-auth, Personality, behavior and Communist ideology, Soviet Studies, 1/70. Address: 252 Market St., Lexington, Ky. 40507.
- FLETCHER, DR. HAROLD (JOHN).** Psychology. See A-K Vol, 11th ed, Soc. & Behav. Vols. New position & address: Assoc. prof., 69-. Dept. of Educational Research, Florida State University, Tallahassee, Fla. 32306.
- FLETCHER, PROF. JOHN LYNN.** Psychology. See A-K Vol, 11th ed, Soc. & Behav. Vols. New information: Retired U.S. Army, 70; prof., 70-. Dept. of Psychology, Memphis State University, Memphis, Tenn. 38111.
- FLETCHER, PROF. MAX E(LIS).** Economics. See A-K Vol, 11th ed, Soc. & Behav. Vols. New information: Also chmn. dept. econ, Idaho, 68-. Address: Route 1, Viola, Idaho 83872.
- FLETCHER, DR. MERTON DON, b.** Manchester, Conn., July 15, 38; m. 61; c. 2. POLITICAL SCIENCE. B.A., Wesleyan, 60; M.A., California, Berkeley, 63. Ph.D.(polit. sci.), 66. ASST. PROF. POLIT. SCI., HOBART & WILLIAM SMITH COLS., 68- Chinese trade unions and politics. Address: Dept. of Political Science, Hobart & William Smith Colleges, Box F29, Geneva, N.Y. 14456.
- FLETCHER, PROF. RALPH CARR.** Social Science. See A-K Vol, 11th ed, Soc. & Behav. Vols. Change of address: 517 Paseo del Oro, Green Valley, Ariz. 85614.
- FLETCHER, PROF. SAMUEL G(LEN).** Speech Pathology, Audiology. See A-K Vol, 11th ed, Soc. & Behav. Vols. New position: Dir. speech path. & audiol., New Mexico, 68-. dir. biocommun. lab., 69-. Address: Biocommunications Lab, University of New Mexico, Albuquerque, N.Mex. 87106.
- FLIEGE, DR. STEWART E(EDWARD).** Psychology. See A-K Vol, 11th ed, Soc. & Behav. Vols. New position: V-pres. int. oper. Computer Sciences Corp., Century City, 69-. Address: 1269 Corsica Dr, Pacific Palisades, Calif. 90272.
- FLINN, DR. JOHN COLMAN, b.** Hobart, Tasmania, Feb. 3, 39; m. 64; c. 2. AGRICULTURAL ECONOMICS. B.Agr.Sc., Melbourne, 60; fel. Univ. New England, Australia, 64-68, Ph.D.(agr. econ), 68. Agronomist, Tasmanian Dept. Agr., 61-63; ASST. PROF. AGR. ECON., GUELPH, 69-. Australian Army Res., 63-64; Lt. Am. Agr. Econ. Soc.; Can. Agr. Econ. Soc.; Australian Agr. Econ. Soc. Demand and supply of irrigation water; water allocation and pricing in relation to physical and institutional constraints; simulation and analysis of crop irrigation systems. Publ: Co-auth, Development and analysis of input-output relations for irrigation water, 67 & auth, The intertemporal demand for irrigation water in an intensive irrigation area, 69, Australian J. Agr. Econ. co-auth, An application of spatial equilibrium analysis to water resource allocation, Water Resources Res., 70. Address: Dept. of Agricultural Economics, University of Guelph, Guelph, Ont., Can.
- FLINN, PROF. THOMAS A(UGUSTIN).** Political Science. See A-K Vol, 11th ed, Soc. & Behav. Vols. New position & address: Chmn., 70-. Dept. of Political Science, Cleveland State University, Cleveland, Ohio 44102.
- FLINN, DR. WILLIAM A.** Marketing. See A-K Vol, 11th ed, Soc. & Behav. Vols. New information: Prof. indust. mgt., Ga. Inst. Tech., 69-; on leave as lectr. 69-70, European Division, University of Maryland, APO New York 09403.
- FLINN, DR. WILLIAM L, b.** Piqua, Ohio, Nov. 22, 38; m. c. 1. RURAL SOCIOLOGY. B.S. Ohio, 60, M.S., 61, Ph.D.(sociol., rural sociol.), 66. Fulbright prof. & dir. Int. Bus. Mach. sociol. res. Nat. Univ. Colombia, 64-65; instr. rural sociol., Ohio State, 65-66; ASST. PROF. RURAL SOCIOLOGY, WISCONSIN MADISON, 66-68; CHMN. EXTEN. SOCIOLOGY, 69-. asst. to dean center develop. nations, 66-68, asst. prof. land tenure center, 68-69. Rural Sociol. Soc.; Sociol. Assn. Research adaptation of rural to urban migrants in South America; adaptation-innovations. Publ: Co-auth, Internal colonialism and structural change in Colombia, Praeger, 70; auth, Process and effects of migration: two case studies, In: Urban annual, Sage, 70; Influence of community values on innovativeness, Am. J. Sociology, 5/70. Address: Dept. of Rural Sociology, 240 Agriculture Hall, University of Wisconsin, Madison, Wis. 53706.
- FLINNER, DR. LYLE P.** Psychology, Religion. See 5th ed, Dir. Am. Scholars, Vol. IV, Philos., Relig. & Law.
- FLIOTOTS, DR. GEORGE V, b.** Youngstown, Ohio, Feb. 19, 31; m. 60; c. 2. PSYCHOLOGY. B.S.C., Ohio, 53, M.S., 58; Ph.D.(psychol.), Purdue, 61. Clin. psychologist, Marion Vet. Admin. Hosp., Ind., 61-63; asst. prof. PSYCHOL., PURDUE, Ft. Wayne, 63-66; ASSOC. PROF., 66-68. Dir. How to Study in Col. Prog., 64-. Consult. Ft. Wayne Child Guid. Clin., 64-65; Five County Ment. Health Clin., 65-66; State Div. Voc. Rehab. Ind., 65-; Ft. Wayne State Hosp. & Training Center & Ft. Wayne Psychol. Assocs., 69-. Med.Serv.C., U.S.A., 54-56, 2nd Lt. Psychol. Assn. Learning; motivation; psychological tests and measurements; personality; study skills. Address: Dept. of Psychology, Purdue University, 2101 Coliseum Blvd. E., Ft. Wayne, Ind. 46805.
- FLORY, DR. RANDALL KEAN, b.** Elgin, Ill., Sept. 13, 42; m. 67. EXPERIMENTAL PSYCHOLOGY. B.A., Ill. Wesleyan, 64; NASA fel., Arizona State, 64 & 69, Ph.D.(exp. psychol.), 69. ASST. PROF. PSYCHOL., HOLLINS COL., 69-. Experimental analysis of aggressive behavior in animals; compulsive water drinking in animals. Publ: Co-auth, The effects of visual impairment on aggressive behavior Psychol. Record, 65; auth, Attack behavior in a multiple fixed-ratio schedule of reinforcement, Psychonomic Sci., 69; Attack behavior as a function of minimum inter-foed interval, J. Exp. Anal. Behav., 69. Address: Dept. of Psychology, Hollins College, Va. 24020.
- FLOYD, PROF. WILLIAM A, b.** Akron, Ohio, Dec. 5, 28; m. 48; c. 2. PSYCHOLOGY. A.B., Eastern Kentucky, 49; M.A., Akron, 53; B.D., Southern Methodist, 56; Ed.D.(counseling psychol.), 62. Minister, Methodist Church, 53-59; assoc. prof. psychol., Columbia Col., 59-65; Appalachian State, 65-69. PROF. PSYCHOL., HOME ECON. & FAM. & LIVING & HEAD DEPT., WESTERN KENTUCKY, 68-. Nat. Inst. Ment. Health fel. marriage &

- family, Minnesota, 67-68. Consult, S.C. State Hosp, 60-62; Vet. Admin, 60-67. Psychol. Asst; Asst. Marriage Counsr; Personnel & Guid. Asst; Nat. Voc. Guid. Asst. Academic and vocational counseling; marital and family therapy; pastoral counseling; aptitude and personality measurement. Publ: Your future as a minister, Richards Rosen, 69; Aptitude testing with mental patients, Voc. Guid. Quart, 64; A longitudinal study of the SAT as a predictor of college success, Sch. Counsr, 67. Address: Dept. of Home Economics & Family Living, Western Kentucky University, Bowling Green, Ky. 42101.
- FLUECK, DR. JOHN A. Statistics. See 12th ed, Phys. & Biol. Vols.
- FLYNN, DR. FRANK J. International Law & Relations. See A-K Vol, 11th ed, Soc. & Behav. Vols. Change of address: 45 Everett St, Newport, R.I. 02840.
- FLYNN, PROF. PAUL P(ATRICK). Law. See 5th ed, Dir. Am. Scholars, Vol. IV, Philos, Relig. & Law.
- FLYNN, DR. WILLIAM J(OSEPH). Psychology. See A-K Vol, 11th ed, Soc. & Behav. Vols. New position & address: Mgr. exec. resources, 68-, Xerox Corp, Xerox Square, Rochester, N.Y. 14603.
- FODOR, DR. JERRY A. Philosophy, Psychology. See 5th ed, Dir. of Am. Scholars, Vol. IV, Philos, Relig. & Law.
- FOGEL, ROBERT W(ILLIAM). Economics. See A-K Vol, 11th ed, Soc. & Behav. Vols. New information: Also prof., 68-, Dept. of Economics, University of Rochester, Rochester, N.Y. 60637.
- FOLEY, DANIEL PATRICK, S.J. b. Oct. 15, 20; U.S. citizen. PSYCHOLOGY. Litt.B. Xavier (Ohio), 45; Ph.D. West Baden Coll, 48, S.T.L., 55; fel, Loyola (Ill.), 48-50, M.A., 51; Ph.D.(clin. psychol), Ottawa, 62. Teacher, parochial sch., Ohio, 50-51, dir. pub. rels, 57-58; ASSOC. PROF. PSYCHOL. XAVIER (OHIO), 58. Psychol. Asst; Acad. Relig. & Ment. Health. Social attitudes; personality theory. Publ: Retroactive inhibition as function of changing sets, J. Gen. Psychol, 54; The psychology of a personal ideal, 64 & The psychology of a personal ideal—structured consistency, 67, J. Relig. & Ment. Health. Address: Dept. of Psychology, Xavier University, Cincinnati, Ohio 45207.
- FOLGER, DEAN JOHN K(ENNETH). Sociology. See A-K Vol, 11th ed, Soc. & Behav. Vols. Change of address: 5437 Camelot Rd, Brentwood, Tenn. 37027.
- FONDA, DR. CHARLES P(ERCY). Psychology. See A-K Vol, 11th ed, Soc. & Behav. Vols. New information: Clin. psychologist, 69-. Address: 88-25 148th St, Apt. 3-A, Jamaica, N.Y. 11435.
- FONTERA, DR. RICHARD MARIO. Political Science. See A-K Vol, 11th ed, Soc. & Behav. Vols. New information: Also exec. dir. univ. acad. prof., 69-, University of Wisconsin, 120 S. University Circle Dr, Green Bay, Wis. 54305.
- FOOTE, PROF. CALEB. Law. See 5th ed, Dir. Am. Scholars, Vol. IV, Philos, Relig. & Law.
- FOOTE, RICHARD J(AY). Econometrics. See A-K Vol, 11th ed, Soc. & Behav. Vols. New position: Prof., 68-, Dept. of Agriculture Economics, Texas Tech University, P.O. Box 4169, Lubbock, Tex. 79409.
- FORBES, PROF. JACK D. Inter-Ethnic Relations. See A-K Vol, 11th ed, Soc. & Behav. Vols. New position & address: Prof., 69-, Dept. of Applied Behavioral Science, University of California, Davis, Calif. 95616.
- FORD, DR. DEREK CLIFFORD. b. Bath, Eng, Apr. 24, 35; m. 58; c. 4. GEOGRAPHY, GEOLOGY. B.A. Oxford, 58, D.Phil.(geog), 63. Lectr. GEOG. McMaster, 59-63; asst. prof. Calif. State Coll. Los Angeles, 63-64; McMASTER, 64-68, ASSOC. PROF. 68-. ASSOC. MEM. GEOL. 65-. Consult, Bristol Waterworks, Eng, 43-66; Nat. Parks, Can, 65-. Dept. Energy, Mines & Resources, 69. Fel. Nat. Speleol. Soc; Can. Asst. Geog. fel. Royal Geog. Soc; Glaciol. Soc. Physical nature and genesis of caverns; karst landforms and groundwater systems. Publ: Features of cavern development in Central Mendip, Trans. Cave Res. Group Gt. Brit, 68; Geomorphology of the South-Central Mendip Hills, Geologists Asn, 69; co-auth. Water budget studies in karst aquifers, J. Hydrol, 69. Address: Dept. of Geography, McMaster University, Hamilton, Ont, Can.
- FORD, DR. FRANK BERNARD. Psychology. See A-K Vol, 11th ed, Soc. & Behav. Vols. Consult: Chief info. & mgt. sci. div. 68-. Officer of the Secretary of Defense, Advanced Research Projects Agency (AGILE), RDUFT, APO San Francisco, 96346.
- FORD, DR. JOSEPH W. b. Pelham, N.Y., Oct. 5, 37; m. 66; c. 1. ECONOMICS. B.A. Fordham, 59, M.A., 61, Ph.D.(econ), 66. Instr. ECON. ST. FRANCIS COL.(N.Y.), 62-68, ASST. PROF. 68-. Am. Econ. Asn. Am. Econ. Hist. Asn; Brit. Econ. Hist. Soc. Industrial & labor economics; economic history; economic doctrines. Publ: The steel import problem, Fordham Univ, 61. Address: Dept. of Economics, St. Francis College, 180 Remsen St, Brooklyn, N.Y. 11201.
- FORD, RICHARD IRVING. Anthropology. See A-K Vol, 11th ed, Soc. & Behav. Vols. New position & address: Curator ethol. mus. of anthrop. & asst. prof., 69-, Dept. of Anthropology, University of Michigan, Ann Arbor, Mich. 48104.
- FORD, DR. VIRGINIA. Anthropology. See A-K Vol, 11th ed, Soc. & Behav. Vols. Change of address: 4800 Chicago Beach Dr, Apt. 2505 S. Tower, Chicago, Ill. 60615.
- FORD, DR. WILLIAM FREITHALER. b. Huntington, N.Y., Aug. 14, 36; m. 60; c. 1. ECONOMICS. B.A. Texas, 61; M.A. Michigan, 62, Ph.D.(econ), 63. Economist, Rand Corp, 66-67; asst. prof. ECON. Virginia, 67-69; ASSOC.
- PROF. COL. BUS. ADMIN. TEX. TECH, 69-. Consult, Rand Corp, Calif, 67- U.S.N., 54-57. Econ. Asn. Economic problems of underdeveloped countries and of Latin America; economic history; systems analyses of government operations. Publ: Mexico's foreign trade and economic development, Praeger, 67. Address: Dept. of Economics, College of Business Administration, Texas Tech University, Lubbock, Tex. 79409.
- FORER, DR. RAYMOND. Sociology, Anthropology. See A-K Vol, 11th ed, Soc. & Behav. Vols. Change of address: 1400 Washington Ave, Albany, N.Y. 12203.
- FOREST, SISTER CECILE, F.S.E. b. Fitchburg, Mass, May 14, 22. SOCIOLOGY. B.A. Amhurst Coll, 57; M.A. Fordham, 59, Ph.D.(sociol), 66. Instr. SOCIOLOG. ANNHURST, 62-67, ASST. PROF, 67-, CHMN. DEPT. 66-. V-pres, Quinebaug Valley Health & Welfare Coun, Putnam, 66-68, 69-. Sociol. Asn. College seniors' attitudes towards interracial marriage; race relations, family, crime and delinquency; gerontology for pre-retired and retired religious. Address: Dept. of Sociology, Amhurst College, Route 2, Woodstock, Conn. 06281.
- FORGARTY, DR. WILLIAM J. b. Toronto, Ont, Nov. 18, 32; U.S. citizen: m. 58; t. 3. TRANSPORTATION & ENVIRONMENTAL PLANNING. B.S.C.E. Miami, 58; M.S.C.E. Purdue, 61, summers, PCA fel, 61, Nat. Sci. Found. fcls, 62-64; Nat. Sci. Found. fel, Can. Inst. Tech, 65-67 & summer 65, Ph.D. (eng), 68. Engr. trainee, Fla. State Rd. Dept, 58-59; instr. CIVIL ENG, Purdue, 59-61; ASSOC. PROF. MIAMI, 61-. C.Eng. 52-54, 1st Lt. Environmental pollution, vehicular crash studies; transportation planning data requirements. Address: Dept. of Civil Engineering, University of Miami, Coral Gables, Fla. 33124.
- FORGY, DR. EDWARD W(ILLIAM). Statistics, Experimental Psychology. See A-K Vol, 11th ed, Soc. & Behav. Vols. New position: Assoc. prof. mgt. sci. sch. of bus, San Fernando Valley State Coll, 69-. Address: 1024 Gretna Green Way, Los Angeles, Calif. 90049.
- FORMAN, DR. HOWARD (IRVING). Chemistry, Law. See Suppl. VI to 11th ed, Phys. & Biol. Vols.
- FORMAN, PROF. ROBERT EDGAR. Sociology. See A-K Vol, 11th ed, Soc. & Behav. Vols. New position & address: Prof., 69-, Dept. of Sociology & Anthropology, University of Toledo, Toledo, Ohio 43606.
- FORMAN, DR. SHEPARD L(EWIS). Anthropology. See A-K Vol, 11th ed, Soc. & Behav. Vols. New information: Asst. prof. anthropol, Chicago, 69-, on leave as vis. fel, Sussex, 69-70. Address: Dept. of Anthropology, University of Chicago, 1126 E. 59th St, Chicago, Ill. 60637.
- FORMBY, DR. JOHN PAUL. b. Carrollton, Ga, Feb. 12, 40; m. 60; c. 2. ECONOMICS. B.A. Colo. Coll, 62. Nat. Defense Ed. Act & Woodrow Wilson fcls. Colorado, 62-65, Ph.D.(econ), 65. ASST. PROF. ECON. Arkansas, 65-66; NORTH CAROLINA, 66. Nat. Sci. Found. fel, 66-67. Econ. Asn. Economic discrimination against minority groups; economic theory of discrimination. Publ: The extent of wage and salary discrimination against non-white labor, South. Econ. J., 10/68, reprinted in: Human capital and manpower development, Free Press/Macmillan, 70. Address: Dept. of Economics, University of North Carolina, Greensboro, N.C. 27412.
- FORSEY, DR. EUGENE ALFRED. b. Grand Bank, Newf, May 29, 04; m. 35; c. 2. POLITICAL SCIENCE. B.A. McGill, 25, M.A., 26, Ph.D.(polit. sci.), 41, hon. LL.D., 66; B.A. Oxford, 28, M.A., 32; hon. LL.D. New Brunswick, 62. Saskatchewan, 67, Waterloo & Toronto, 68; hon. D.Litt. Memorial Univ, 66, Acadia, 67. sessional lectr. econ. & polit. sci, McGill, 29-41; Guggenheim fel, 41-42; dir. res. CAN. LABOUR CONG, 42-66, DIR. SPEC. PROJ, 66-. Part-time sessional lectr. polit. sci, Carleton (Ont), 49-61 & 64-66, vis. prof, 66-70; Skelton-Clark fel. polit. sci, Queen's (Ont), 62-63; Can. Coun. grants, 64-66. Mem. Bd. Broadcast Gov. Can, 56-62; Ont. Adv. Cmt. Confederation, 66-70; bd. gov. Trent Univ, 66-71. Can. Polit. Sci. Asn (pres, 61-62). Nova Scotia coal industry; royal power of dissolution of parliament in the British Commonwealth; cabinet government in Canada; Canadian trade union history. Publ: Economic and social aspects of the Nova Scotia coal industry, Macmillan, Toronto, 26; co-auth. Social planning for Canada, Nelson, Toronto, 35; auth. The royal power of dissolution of parliament in the British Commonwealth, Oxford, Toronto, 43 & 68. Address: 3 Lakeview Terr, Ottawa 1, Ont, Can.
- FORSYTH, DR. DANIEL M(ARTIN). Experimental Psychology. See A-K Vol, 11th ed, Soc. & Behav. Vols. New position & address: V-pres, east. oper, 69-, Information International, 69 Brighton Ave, Boston, Mass. 02134.
- FORSYTHE, DR. DAVID P(REVATT). b. Gatesville, N.C., Nov. 22, 41; m. 66. POLITICAL SCIENCE. B.A. Wake Forest Coll, 64; M.A. Princeton, 66. Woodrow Wilson fcls, 66-68, Ph.D.(politics), 68. ASST. PROF. POLIT. SCI. Agnes Scott Coll, 68-69; GEORGIA STATE, 69. Carnegie Endowment for Int. Peace grant & res. asst., Princeton Center Int. Studies, summer 68. Int. Studies Asn. United Nations; international politics and law. Publ: Co-auth. Issues before the 21st General Assembly, Int. Conciliation, 9/66; auth. UN intervention in conflict situations revisited, Int. Orgn, winter 68; United Nations peace making, Mid.E. Inst. (in press). Address: Dept. of Political Science, Georgia State University, Atlanta, Ga. 30303.
- FORSYTHE, DR. EDWIN J. Industrial Relations, Economic History. See A-K Vol, 11th ed, Soc. & Behav. Vols. New information: Also prof. mgt, Wayne State University, 1143 Mackenzie Hall, Detroit, Mich. 48202.
- FORTENBERRY, PROF. CHARLES NOLAN. Political Science. See A-K Vol, 11th ed, Soc. & Behav. Vols. New position & address: Prof. & head, 68-, Dept. of Political Science, Auburn University, Auburn, Ala. 36830.
- FORTUNE, DR. HILDA O. b. Birmingham, Ala, Aug. 31, 13; m. 44; c. 1. SOCIOLOGY, SOCIAL SCIENCE. A.B. Morgan State Coll, 38; Atlanta Soc. Work, 41-42; Jessie S. Noyes & Delta Sigma Theta fcls. & M.S. N.Y. Univ,

- 58, Warburg scholar & Ed.D. 63. Asst. exec. dir. soc. work agency, Baltimore Urban League, Md. 38-40; sr. supvr. training center, Nat. Youth Admin. Wilberforce, Ohio, 41-42; sr. counselor personnel dept., Wright Aeronaut. Corp., N.J. 42-45; dir. dept. employ. youth serv. vol. agency, YWCA, N.Y. 47-52; dir. community orgn., N.Y. & Westchester Urban Leagues, 52-63; asst. prof. guidance, Brooklyn Col., 63-68; ASSOC. PROF. SOCIOL., YORK COL., CITY UNIV. N.Y., 68. Mem. faculty & dir., Lab. Class Human Rel., N.Y. Univ., 58-66, mem. faculty sec. ed., 68-69 & summers 65, 66; instr., Mt. Sinai Hosp. Sch. Nursing, 66 & 67; bd. ed., New York City In-Serv. Course, 67-68; summers, Dir. leadership training for African women, African-Am. Inst., Conn. Col. Women, 64, dir. Workshop in Human Rel., Missouri-Kansas City, 64, 65. Consult., VISTA; President's Cmn. Status of Women, Nat. Voc. Guild. Asn.; Personnel & Guid. Asn.; Nat. Asn. Soc. Workers. Human relations. Publ.: Shared leadership-new concepts, Walker, 65; Training manual, Block Communities, 68; Training Manual, Bd. Fund Ed., 69. Address: Division of Sociology, York College, City University of New York, 158-11 Jewel Ave., Flushing, N.Y. 11355.
- FOSCHI, DR. MARTHA SANTI, b. Argentina, Dec. 7, 37; m. 62. SOCIOLOGY. B.A., Buenos Aires, 62; M.A., Stanford, 64, Ph.D.(sociol.), 70. Lectr. SOCIOL., BRITISH COLUMBIA, 67-68, ASST. PROF., 68. Can. Coun. res. grant, 69-70. Am. Sociol. Asn., Can. Sociol. & Anthropol. Asn. Theory construction; experimental social psychology. Address: Dept. of Anthropology & Sociology, University of British Columbia, Vancouver 8, B.C., Can.
- FOSDICK, DR. JAMES ALBERT. Mass Communications, Journalism. See 5th ed., Dir. Am. Scholars, Vol. II, Eng. Speech & Drama.
- FOSSE, DR. DONALD JOHN, b. Minneapolis, Minn., Mar. 28, 40; m. 65; c. 1. PSYCHOLOGY, PSYCHOLINGUISTICS. B.A., Minnesota, 62, Ph.D.(psychol.), 66. Fel. psycholing., center cognitive studies, Harvard, 66-67; ASST. PROF. PSYCHOL., TEXAS, AUSTIN, 67. Psychol. Asn.; Ling. Soc. Am.; Psychonomic Soc. Cognitive processes. Publ.: Co-auth. Decision processes during sentence comprehension: effects of surface structure on decision times, Perception & Psychophys., 5: 145-148; auth. Decision processes during sentence comprehension: effects of lexical item difficulty and position upon decision times, J. Verbal Learning & Verbal Behav., 8: 457-462; Some empirical constraints on models of language processing, In: The structure and psychology of language, Holt, (in press). Address: Dept. of Psychology, University of Texas at Austin, Austin, Tex. 78712.
- FOSS, MURRAY F(ORRETT). Economics. See A-K Vol., 11th ed. Soc. & Behav. Vols. New position: Sr. staff economist, Coun. of Econ. Adv., Wash. D.C., 69. Address: 6209 E. Halbert Rd., Bethesda, Md. 20034.
- FOSSELMAN, DAVID HAROLD. Sociology. See A-K Vol., 11th ed. Soc. & Behav. Vols. New position & address: Instr., 69-, Chabot College, Hayward, Calif. 94545.
- FOSTER, PROF. ARTHUR LORNE. Theology, Psychology. See 5th ed., Dir. Am. Scholars, Vol. IV, Philos., Relig., & Law.
- FOSTER, DR. EDWARD M(ERVYN). Economics. See A-K Vol., 11th ed. Soc. & Behav. Vols. New information: Also dir. grad. studies, 69-, Dept. of Economics, University of Minnesota, Minneapolis, Minn. 55455.
- FOSTER, DR. GRACE RUTH. Psychology. See A-K Vol., 11th ed. Soc. & Behav. Vols. New information: Asst. ed. spec. issue on women, J. Soc. Issues. Address: Friendship, Maine 04547.
- FOSTER, DR. HARRIET WILSON. Psychology. See A-K Vol., 11th ed. Soc. & Behav. Vols. New position: Clin. psychologist, Los Angeles County Univ. Southern California Medical Center, 69. Address: Apt. 309, 123 California Ave., Santa Monica, Calif. 90403.
- FOSTER, DR. ROBERT DAN, b. Alva, Okla., July 23, 32; m. 57; c. 3. ECONOMICS. B.A., Wichita, 55; Carnegie fel., Oregon, 56-58, M.A., 61, Ph.D. (econ.), 66. Buyer, O.A. Sutton Corp., 54-57; partner, Midwest Aircraft Supply, 57-60; assoc. prof. econ., Wichita State, 64-68; FINANCIAL ECONOMIST, MINISTRY OF HOME AFFAIRS, SEOUL, KOREA, 68; ROBERT R. NATHAN ASSOCS., INC., 68-69, MINISTRY OF PLANNING, KABUL, AFGHANISTAN, 69. Consult. Center for Urban Studies, Wichita State, 66-68; State Property Valuation Dept., Kans., 67-68; Dept. Admin., Wichita, 67-68; Regional Conf. Fiscal Probs., Local Govts. & North-Natural Gas Co., 67-68; Joint Kans. Legis. Tax Study Cmt., 68. U.S.A. 50-52, S/Sgt. Econ. Asn.; Nat. Tax Asn. State and local finance; public finance of under-developed countries. Publ.: Co-auth. A source of local government revenue: an investment program, 66 & Financing local governments 67, Center Urban Studies; Cash flows in three levels of government, Bus. Jour., 67. Address: Robert Nathan Associates, Ministry of Planning, Kabul, Afghanistan.
- FOUGHT, DR. JOHN GUY. Linguistics, Mayan Studies. See 5th ed., Dir. Am. Scholars, Vol. III, For. Lang., Ling., & Philol.
- FOURNET, DR. GLENN P. b. St. Martinville, La., Nov. 19, 34; m. 54; c. 1. SOCIAL & INDUSTRIAL PSYCHOLOGY. B.A., La. State, 56, M.A., 64, Ph.D. (psychol.), 67. B.D., New Orleans Baptist Theol. Sem., 59. Asst. coordinator, hosp. improv. proj., Cent. La. State Hosp., 65-67; ASST. PROF. PSYCHOL., EAST TEXAS STATE, 67. Psychol. Asn. Job satisfaction group dynamics; community mental health; attitude surveying. Publ.: Co-auth. Job satisfaction: issues and problems, Personnel Psychol., summer 66. Address: Dept. of Psychology, East Texas State University, Commerce, Tex. 75428.
- FOWLES, DR. DON CHARLES, b. Little Rock, Ark., Feb. 15, 39; m. 68. PSYCHOLOGY. B.S. Mass. Inst. Tech., 61, Nat. Merit & Gen. Motors Nat. Scholarship, 61-63; Woodrow Wilson & Nat. Inst. Ment. Health fel., Harvard, 63-65, M.A., 65, Ph.D. (psychol.), 67. ASST. PROF. PSYCHOL., Oklahoma, 68-70; IOWA, 70. Psychol. consult., early clin. drug eval. unit, Cent. State Hosp., 69-70. AAAS; Psychol. Asn.; Soc. Psychophysiol. Res. Experimental psychopathology; psychophysiology. Publ.: Co-auth. Endocrine factors in
- Palmar skin potential, Psychosom. Sci., 10: 387-388, The effects of epidermal hydration and sodium reabsorption on Palmar skin potential, Psychol. Bull., 73: 363-378 & Autonomic arousal in good and poor premenstrual schizophrenics, Brit. J. Soc. & Clin. Psychol., 70. Address: Dept. of Psychology, University of Iowa, Iowa City, Iowa 52240.
- FOWLKES, EDWARD B. II. Statistics. See Suppl. VI to 11th ed., Phys. & Biol. Vols.
- FOX, PROF. BETTE DANEMAN. Political Science. See A-K Vol., 11th ed. Soc. & Behav. Vols. New information: Also adv. Russian Area Studies Prog., Madison Col., 70. Address: 420 Eastover Dr., Harrisonburg, Va. 22801.
- FOX, DR. DANIEL MICHAEL. Modern History, Public Administration. See 5th ed., Dir. Am. Scholars, Vol. I, Hist.
- FOX, PROF. DAVID JOSEPH. Educational Psychology. See A-K Vol., 11th ed. Soc. & Behav. Vols. New position: Prof., City Col., New York. Address: 139 Schraalenburgh Rd., Haworth, N.J. 07641.
- FOX, DR. DOUGLAS MACMURRAY, b. New London, Conn., May 2, 40; m. c. 2. POLITICAL SCIENCE. B.A., Yale, 62; Nat. Center Ed. Polit. fel., Columbia, 65-66, Ph.D.(polit. sci.), 68. Lectr. sociol., Pratt Inst., 64-66; intern urban govt. migration div., Commonwealth of P.R., 65-66; N.Y. Regents col. teaching fel., 66-67; ASST. PROF. govt. Bowdoin Col., 67-69; POLIT. SCI., Florida Atlantic, 69-70; CONNECTICUT, 70. Bowdoin Col. Faculty Res. Fund fel., 68-69; lectr. Rhode Island, summer 67. Polit. Sci. Asn. Urban politics; formulation of American foreign policy; American and comparative national power structures. Publ.: Identification of community leaders, Social & Soc. Res., 10/69; co-auth. House rules committee agenda sitting function, J. Polit., 5/70; auth. Methods within methods, West. Polit. Quart., 3/71. Address: Dept. of Political Science, University of Connecticut, Storrs, Conn. 06268.
- FOX, PROF. EDWARD J(ACKSON). Marketing, Economics. See A-K Vol., 11th ed. Soc. & Behav. Vols. New information: Prof. mkt. & dir. exec. develop. prog., Miami (Fla), no longer chmn. dept. Address: 7855 S.W. 70th St., South Miami, Fla. 33143.
- FOX, ELLIOT M(ILTON). Political Science, Industrial Management. See A-K Vol., 11th ed. Soc. & Behav. Vols. New information: Ph.D., Columbia, 70. Mgr. indust. mgt. serv., Am. Gas Asn., 69. Address: 48 Kings Ferry Rd., Montrose, N.Y. 10548.
- FOX, GERALD JULIAN. Psychology, Human Engineering. See A-K Vol., 11th ed. Soc. & Behav. Vols. New position: Chief, life sci., Grumman Aerospace Corp., 69. Address: 4 Mystic Court, Stony Brook, N.Y. 11790.
- FOX, DR. HAROLD W(ARNER), b. Berlin, Germany, Mar. 27, 23; U.S. citizen, m. 51. BUSINESS ADMINISTRATION, ECONOMICS. B.B.A., City Univ. New York, 49; M.B.A., Xavier (Ohio), 57; Ph.D.(econ.), Rutgers, 67. Sr. analyst, Jell-O Div., Gen. Foods Corp., 55-57; head mgt. serv., Rowe Div., Canteen Corp., 57-61; mem. faculty bus. admin. grad. sch., Fairleigh Dickinson, 59-64, instr., Rutgers, 64-66; asst. prof., Upsala Col., 66-68; assoc. prof. MKT., Northern Illinois, 68-70; PROF. & CHMN. DEPT., DEPAUL, 70. U.S.A.A.F., 43-46. Mkt. Asn. Trading stamps; marketing planning and control; measurement of advertising effectiveness; role of internal consultants in business; stockholder relations; variable annuities. Publ.: Co-auth. Financial management, Houghton, 63; auth. The economics of trading stamps, Pub. Affairs, 68 & Inflation—an economic maladjustment, Bur. Bus. Res., Northern Illinois Univ., Chicago, Ill. Dept. of Marketing, DePaul University, 25 E. Jackson Blvd., Chicago, Ill. 60604.
- FOX, DR. JOHN NIXON, b. Crescent, Okla., Sept. 18, 32; m. 55; c. 4. HUMAN FACTORS. B.S., Oklahoma, 55, M.S., 62, Nat. Safety Found. fel., California, Los Angeles, 65-66, Ph.D.(human factors), 67. Consult. eng. mgt., 58-61; univ. engr., Oklahoma, 61-62; sr. res. specialist, N.A.M. Rockwell Corp., 62-68; ASST. PROF. ENG. SCI., TEXAS, ARLINGTON, 68. Instr. man-machine sys., California, Los Angeles, 65-66. Consult. LTV Aerospace Corp., summer 69. U.S.A.F. 55-58, Capt. Human Factors Soc.; Inst. Aeronaut. & Astronaut.; Nat. Soc. Prfnl. Eng. Soc. Eng. Ed.; Inst. Indust. Eng. Visual perception and applications to aerospace design; behavioral science in management and industry. Address: Dept. of Engineering Sciences, University of Texas at Arlington, Arlington, Tex. 76010.
- FOX, PROF. JOHN ROBIN, b. Keighley, Eng., Aug. 29, 34; m. 57; c. 3. ANTHROPOLOGY. B.Sc., London, 57, Ph.D.(anthrop.), 65; Harvard, 57-59. Lectr. sociol., anthrop., Exeter, 59-63; London Sch. Econ., 67; PROF. ANTHROP. & CHMN. DEPT., RUTGERS, 67. Malinowski mem. lectr., Univ. London, 67; Nat. Inst. Ment. Health spec. fel., 70. Fel. Am. Anthropol. Asn.; Am. Asn. Phys. Anthropol.; fel. Royal Anthropol. Inst. Gt. Brit. & Ireland; fel. Zool. Soc. London. Social organization especially kinship and marriage; linguistics; primatology, ethnology and human origins; ethnology of the Pueblo Indians; sociology of Celtic peoples. Publ.: Kinship and land tenure on Tory Island, Inst. Irish Studies, 66; Kinship and marriage, Penguin, 67; The Keresan bridge, Athlone, 67. Address: Dept. of Anthropology, Rutgers University, New Brunswick, N.J. 08903.
- FOX, DR. KEVIN A. Comparative Pathology, Behavioral Endocrinology. See Suppl. VI to 11th ed., Phys. & Biol. Vols.
- FOX, DR. RENEE CLAIRE. Sociology. See A-K Vol., 11th ed. Soc. & Behav. Vols. New position & address: Prof. sociol. & psychiat., 69-, Dept. of Psychiatry, University of Pennsylvania, Piersol Bldg., 200, Philadelphia, Pa. 19104.
- FOX, DR. WAYNE LENIS. Experimental Psychology. See A-K Vol., 11th ed. Soc. & Behav. Vols. New position & address: Asst. prof. col. ed. & res. assoc. consult. teacher prog., 69-, College of Education, University of Vermont, 2 Colchester Ave., Burlington, Vt. 05401.

- FRADKIN, DR. HOWARD E. Sociology, Social Welfare. See A-K Vol. 11th ed, Soc. & Behav. Vols. New position: Assoc. prof. sociol. Calif. State Col. Long Beach, 69-. Address: 1842 Port Stirling Place, Newport Beach, Calif. 92660.
- FRANKEL, DR. WILLIAM A. Psychology, Rehabilitation. See A-K Vol. 11th ed, Soc. & Behav. Vols. New position & address: Asst. cmnr. for ment. retardation, 69-. Massachusetts Dept. of Mental Health, 190 Portland St, Boston, Mass. 02114.
- FRAGER, DR. ROBERT. b. New York, N.Y. June 20, 40; m. 68; c. 1. PSYCHOLOGY. B.A., Reed Col., 61, Woodrow Wilson fel. 61-62; univ. grant, East-West Center, Univ. Hawaii, 64-66; Ph.D. (soc. psychol.), Harvard, 67. Nat. Inst. Ment. Health res. grant, 67-68; vis. lectr. PSYCHOL., California, Berkeley, 68-69; ASST. PROF., CALIFORNIA, SANTA CRUZ, 69-. Japanese Soc. Social Psychol. Japanese psychology, conformity; positive mental and physical growth; psychology of religion; mediation. Publ. Commitment to action taking as a consequence of cognitive dissonance, & Personality & Soc. Psychol., 65; The psychology of the samurai, Psychol. Today, 1/69; Conformity and anti-conformity in Japan, J. Personality & Soc. Psychol., 70. Address: Merrill College, University of California, Santa Cruz, Calif. 95060.
- FRAM, PROF. EUGENE H. Marketing. See A-K Vol. 11th ed, Soc. & Behav. Vols. New position: Prof., 68-. College of Business, Rochester Institute of Technology, 1 Lomb Memorial Dr, Rochester, N.Y. 14623.
- FRAMO, DR. JAMES L (AWRENCE). Clinical Psychology. See A-K Vol. 11th ed, Soc. & Behav. Vols. New position: Chief family ther. & training unit, Thomas Jefferson, 69-. Address: 342 Merion Rd, Merion, Pa. 19066.
- FRANCIS, DR. KARL E (ARVIL), b. Wilmington, Del. Jan. 1, 36; m. 62; c. 1. GEOGRAPHY. B.S. Pa. State, 59; M.S., Oregon State, 65; Ph.D. (geol.), Wisconsin, Madison, 68. Res. asst. geophys. inst. Alaska, 61-62; asst. prof. GEOG., San Fernando Valley State Col., 66-69; ASST. PROF., TORONTO, 69-. U.S.A., 59-61. Assn. Am. Geog. Can. Assn. Geog. Arctic Inst. N. Am. Human adaptation to northern environments; northern resource development; arctic transport systems; resources and pollution. Publ. Co-auth. Nuclei in snow and ice crystals on the Greenland ice cap, J. Atmospheric Sci., 62; Outpost agriculture: the case of Alaska, Geog. Rev., 10/67; Decline of the dog sled in PROF. PSYCHOL. & CHMN. DIV. SOC. SCI., SOUTHEASTERN UNIV., 67-. Address: Dept. of Geography, University of Toronto, Toronto 5, Ont., Can.
- FRANCISCO, DR. ALICE ENDERTON, b. West Point, N.Y. June 24, 33; m. c. 3. ANTHROPOLOGY. B.A. California, Berkeley, 65, Kotofel fel. 65-66, Nat. Defense Ed. Act fel. 66-69, Ph.D. (anthrop.), 69. ASST. PROF. ANTHROP., STATE UNIV. N.Y. COL. CORTLAND, 69-. Anthropol. Assn. Soc. Am. Archeol.; Inst. Andean Studies. Archeology and ethnology of Ecuador; folklore; culture change. Address: Dept. of Anthropology, State University College of New York at Cortland, Cortland, N.Y. 13045.
- FRANCISCO, PROF. NOEL. Sociology. See A-K Vol. 11th ed, Soc. & Behav. Vols. Change of address: Wisconsin State University, Superior, Wis. 54880.
- FRANCK, DR. ISAAC. Philosophy, Sociology. See 5th ed, Dir. Am. Scholars, Vol. IV, Philos, Relig. & Law.
- FRANK, PROF. FREDERICK ANTHONY, b. Flushing, N.Y. July 11, 27; m. 54; c. 7. EDUCATIONAL PSYCHOLOGY, MANAGEMENT SCIENCES. A.B. Fordham, 50, M.A., 51. Social investigator, New York City Welfare Dept., 52-54, employ. interviewer, N.Y. State Dept. Labor, 54; mgt. intern, Dept. Navy, 54-55, mgt. analyst, 55-61; div. personnel, Atomic Energy Cmn., 61-65, personnel analyst, 65-67; ANALYST, OFF. MGT. DEVELOP., NASA, 67-. ADI. PROF. PSYCHOL. & CHMN. DIV. SOC. SCI., SOUTHEASTERN UNIV., 67-. lectr. mgt. 66-67. U.S.N., 45-46. Education and training in the psychological and behavioral science aspects of management and business; effectiveness of written and audiovisual material in communication, especially management communication. Address: Division of Social Sciences, Southeastern University, Washington, D.C. 20006.
- FRANK, DR. GEORGE H (UGH). Psychology. See A-K Vol. 11th ed, Soc. & Behav. Vols. New position & address: Assoc. prof., 68-. Dept. of Psychology, New York University, 21 Washington Place, New York, N.Y. 10003.
- FRANK, DR. HARRY, b. Riverside, Calif. Nov. 24, 42; m. 65. PSYCHOLOGY. A.B., California, Berkeley, 65; M.A., Colorado, 68, Nat. Inst. Ment. Health fel. 68-69, Ph.D. (psychol.), 69. ASST. PROF. PSYCHOL., FLINT COL., MICHIGAN, 69-. U.S.N.R., 60-67. AAS. Conceptual differentiation and development; acquisition of identity, attitudes and values; problems of creativity, abstractness and flexibility; genetics of personality; mental retardation; social behavior of carnivores. Publ. Co-auth. Resistance to temptation, guilt following yielding, and psychopathology, J. Consult. & Clin. Psychol., 68 & A multivariate behavioral approach to the genetic/etiologic diagnosis of mental retardation, Multivariate Behav. Res., 4/69. Address: Dept. of Psychology, Flint College, University of Michigan, 1321 E. Court St, Flint, Mich. 48803.
- FRANK, DR. LAWRENCE (KELSO). Psychology. See 11th ed, Soc. & Behav. Vols. deceased 68.
- FRANK, LEWIS A (LENN), b. Silver City, N.Mex. Jan. 16, 38. ECONOMICS, OPERATIONS RESEARCH. B.A. California, Los Angeles, 60, M.A., 62; Indust. Col. Armed Forces, 69. Economist, Inst. Defense Anal., Va., 63-64; CONSULT. NAT. DEFENSE STUDIES, Bendix Corp., Mich., 64-66; STANFORD RES. INST., D.C. 67-; ECONOMIST, ANAL. SERVC., INC., Va., 69-; Guest lectr. Mil. Oper. Res. Symp., San Diego, Calif., 69. Consult. Bolt, Beranek & Newman, Mass., 65-. Battelle Mem. Inst., D.C., 70. Ord. Asst., Acad. Polit. & Soc. Sci. Investigation of the political, social and economic effects of new military and defense programs; causes and cures of national breakdown and internal disorder. Publ. The arms trade in international relations, Praeger, 69; Nuclear weapons development in China, Bull. Atomic Scientists, 1/66 & Arms and non-proliferation, Orbis, spring 67. Address: 2121 P St. N.W., Apt. PH-21, Washington, D.C. 20037.
- FRANK, PROF. ROBERT LEE, b. Lincoln, Nebr. Sept. 29, 31; m. 56; c. 2. COUNSELING. B.S.Ed., Nebraska, Lincoln, 53, M.Ed., 57, Ed.D. (sec. ed. guid. & counseling), 64; Michigan, 59-60. Teacher & counsr. pub. schs., Nebr., 55-58; coord. guid. serv., Shelby County Sch. Syst., Iowa, 58-59; asst. prof. psychol. & counsr. ed., Northern State Col., 60-62; asst. prof. COUNSR. ED., NORTHERN IOWA, 62-66, assoc. prof., 66-70, PROF., 70-. Vis. prof. Univ. Hawaii & Univ. New Mexico, summer 67. U.S.A., 53-55. Personnel & Guid. Asn.; Nat. Voc. Guid. Asn. Elementary guidance; group process; affective education. Publ. Co-auth. Counseling effectiveness, In: Research guidelines for secondary school counselors, Col. Entrance Exam. Bd., 68. Address: Dept. of Counselor Education, University of Northern Iowa, Cedar Falls, Iowa 50613.
- FRANKEL, DR. A. STEVEN, b. New York, N.Y. Aug. 13, 42; m. 67. CLINICAL PSYCHOLOGY. B.S., Vermont, 64; U.S. Pub. Health Serv. fel., Indiana, Bloomington, 67, Ph.D. (clin. psychol.), 68. Res. asst. psychol., Indiana, 64-67; intern psychiatrist, St. Columba Univ. Med. Center, 67-68; ASST. PROF. PSYCHOL., SOUTHERN CALIFORNIA, 68-. RES. SPECIALIST, PAC. STATE HOSP., POMONA, 69-. Psychol. Asn.; Assoc. Asst. Adv. Behav. Ther. Experimental psychopathology; human territoriality; self-esteem; human aggression. Publ. Verbal conditioning of common associations in long term schizophrenics: a failure, J. Abnorm. Psychol., 8/69; Attitudes toward a group as a function of self esteem group achievement level, and success or failure on a group relevant task, Proc. Am. Psychol. Assn. Conv., 9/69; Effects of arousal on hierarchically organized responses, J. Exp. Psychol., 12/69. Address: Dept. of Psychology, University of Southern California, University Park, Los Angeles, Calif. 90007.
- FRANKEL, DR. FRED H (AROLD). Psychiatry. See Suppl. V & VI to 11th ed, Phys. & Biol. Vols.
- FRANKEL, DR. PHYLLIS M. (MRS. JAY), b. Chicago, Ill. July 24, 30; m. 51; c. 2. COUNSELING PSYCHOLOGY. B.S., Northwestern, 53, M.A., 58, fel. 67-68, Ph.D. (counseling psychol.), 69. Teacher, pub. schs., Chicago, Ill., 53-54; counseling psychologist, Chicago Bd. Ed., 58-61; Univ. Illinois, 63-67; ASST. PROF. PSYCHOL. & DIR. PSYCHOL. SERV., LAKE FOREST COL., 68-. Lake Forest Col. res. grant, 69. Psychol. Asn.; Personnel & Guid. Asn. Sex role attitudes and the development of goal-oriented behavior in women: student perceptions of counseling service function; personality characteristics related to drug usage and alcohol political values. Address: 95 Lakeside Place, Highland Park, Ill. 60035.
- FRANKEL, DEAN S (AUL) J (ACOB). Political Science. See A-K Vol. 11th ed, Soc. & Behav. Vols. New position & address: Dean, 69-. Faculty of Social Sciences, McMaster University, Hamilton, Ont., Can.
- FRANKLIN, DR. CHARLES BENJAMIN, JR. b. Jacksonville, Fla. Mar. 17, 17; m. 47; c. 2. ECONOMICS, FINANCE. B.S., Florida, 39, Ph.D. (econ.), 65. M.S. Fla. State, 56. Salesman, Bankers Life & Casualty, Tex., 53-54; field underwriter, Penn Mutual Life Ins. Co., Fla., 54; asst. econ. Fla. State, 54-57, instr. 58-60; asst. bus. admin. Florida, 57-58; asst. prof. econ. & bus. admin., Auburn, 60-63; interim asst. prof. econ., Florida, 63-64; asst. prof. ACCT. & FINANCE, ATLANTIC, 64-67, ASSOC. PROF. & ASST. CHMN. DEPT. 67-. Wage & salary consult., City of Gainesville, Fla., 57-58 & Broward County Mrs. Assn., 67-69; v.pres. & treas. Int. Data Interchange, Inc. & consult., West Union Comput. Utilities, 69-70. Chmn. & asst. Task force goals & objectives of college of business of Florida Atlantic Univ. U.S.A., 41-45, 49-55, 1st Lt. Mgt. Asn. Wage and salary system; stock options; systems for financial institutions. Publ. Co-auth. Puts and calls: a factual survey, 3/58, Reply to Krutzenga, 3/59 & auth. The treatment of security holders under the absolute priority rule in corporate reorganization, 12/66, J. Finance. Address: College of Business & Public Administration, Florida Atlantic University, Boca Raton, Fla. 33432.
- FRANKLIN, PROF. MARC A. Law. See 5th ed, Dir. Am. Scholars, Vol. IV, Philos, Relig. & Law.
- FRANKLIN, PROF. MITCHELL. Law. See 5th ed, Dir. of Am. Scholars, Vol. IV, Philos, Relig. & Law.
- FRANKMANN, PROF. RAYMOND W (INTER). Experimental Psychology. See A-K Vol. 11th ed, Soc. & Behav. Vols. New position & address: Prof. & asst. clin. psychol., 68-. Dept. of Psychology, Michigan State University, Olds Hall, East Lansing, Mich. 48823.
- FRANKS, DR. VIOLET. Experimental & Clinical Psychology. See A-K Vol. 11th ed, Soc. & Behav. Vols. New information: Practicing psychologist, 66-. Address: 315 Prospect Ave, Princeton, N.J. 08540.
- FRANTZ, PROF. CHARLES. Social Anthropology. See A-K Vol. 11th ed, Soc. & Behav. Vols. New position & address: Prof. 68-. Dept. of Anthropology, State University of New York at Buffalo, 4242 Ridge Lea Rd, Amherst, N.Y. 14226.
- FRARY, DR. ROBERT BARNES, b. Philadelphia, Pa. July 21, 33; m. 56; c. 2. EDUCATIONAL & PSYCHOLOGICAL MEASUREMENT. B.I.E., Florida, 55; M.A., Miami (Fla.), 61; Ph.D. (ed. res. & testing), Fla. State, 68. Methods & sys. analyst, Ektan Kodak Co., 55-59; teacher, pub. schs., Fla., 59-64; math, Miami-Dade Jr. Col., 64-65; res. asst. ed. res. & testing, Fla. State, 65-68; DIR. BUR. MEASUREMENT & RES., MIAMI (FLA.), 68-. Consult., Munic. Sch. Dist., Gulfport, Miss., 69. Ed. Res. Asn.; Math. Asn.; Psychomet. Soc. Mathematical foundations of mental test theory, especially guessing on multiple-choice tests. Publ. Co-auth. Enhancement of educational effect through extensive and intensive intervention, Munic. Sch. Dist., Gulfport, Miss., 69; auth. Elimination of the guessing component of multiple-choice test scores: effect on reliability and validity, 69 & co-auth. Effect of variation in probability of guessing correctly on reliability of multiple-choice tests, 70, Ed. & Psychol. Measurement. Address: Bureau of Measurement & Research, University of Miami, Coral Gables, Fla. 33124.

- FRASER, DR. JOHN G. b. Chicago, Ill. Aug. 6, 38; m. 65; c. 1. POLITICAL SCIENCE. A.B., Illinois, 63; A.M., 65, Garner fel. 66-67, Ph.D. (polit. sci.), 68. ASST. PROF. POLIT. SCI., Carleton (Ont), 67-68; KENTUCKY, 68-69. summer faculty res. fel. 69. U.S.N., 66-69. Polit. Sci. Asn. Psychological bases of political behavior; philosophy of political science. Publ: The trustful efficacious and political participation, *J. Politics*, 5/70; The impact of community and regime orientations on choice of political system, *Midwest J. Polit. Sci.*, 8/70. Address: Dept. of Political Science, University of Kentucky, Lexington, Ky. 40506.
- FRASER, DR. (JOHN) KEITH. Geography. See A-K Vol. 11th ed. Soc. & Behav. Vols. New position: Exec. secy. nat. adv. cm. geog. res. policy & planning br., Dept. Mines & Resources, Can. 68- Address: 571 Fraser Ave. Ottawa 13, Ont. Can.
- FRATCHER, PROF. WILLIAM (FRANKLIN). Law. See 5th ed. Dir. Am. Scholars, Vol. IV, Phils., Relig. & Law.
- FRAZIER, PROF. LOIS ELIZABETH. b. Spray, N.C. June 20, 20. BUSINESS, ECONOMICS. B.S., Women's Col., North Carolina, 42; M.S., North Carolina, 48; South. Fels. Fund summer grant, Indiana, 56; Ed.D. (bus. ed.), 61. Teacher, high sch., N.C. 42-44; head dept., bus., Brevard Col., 44-46, 47-52, asst. bus. ed., Women's Col., North Carolina, 46-47, instr. econ. 52-53; assoc. prof. bus., Flora Macdonald Col., 53-54; PROF. BUS. & ECON. & CHMN. DEPT. MEREDITH COL. 54- Summer fel. econ-in-action prog., Case West. Reserve, 69. Consult. Accrediting Cmn. Bus., 66-70. Chmn. res. & bus. & Prnl. Women's Found., 63-66. Nat. Bus. Ed. Asn. Admin. Mgt. Soc. Office management; business law; business communication; methods of teaching business education. Address: Dept. of Business and Economics, Meredith College, Raleigh, N.C. 27602.
- FRAZIER, DR. THOMAS W (AYNE). b. Charleston, Ill. Dec. 23, 35; m. 60; c. 2. EXPERIMENTAL PSYCHOLOGY. B.S., Bradley, 57, M.A., 58; Ph.D. (psychol.), Fla. State, 66. Intern clin. psychol. Vet. Admin. Center, Kewoughtan, Va., 61-62; exp. psychologist, Manned Spacecraft Center, NASA, 62-66; CHIEF DEPT. PSYCHOLOGIST, WALTER REED ARMY INST. RES., 66-67. lectr. mil. med. training course, 67-69. Dir. prnl. activities, Behav. Tech. Consult. Inc., 69. Consult. Manned Spacecraft Center, NASA, 68-69; U.S. Vet. Admin., 69; U.S. Pub. Health Serv. & State Dept. Health, Md., 70. Group achievement award, Proj. Gemini Prog., 64. Psychol. Asn. Psychophysiology of behavior stress; performance decrement; human vigilance; behavior modification; conditioning processes. Publ: Avoidance conditioning of heart rate in humans, 66 & Psychophysiology of conditioned emotional disturbances, 69. Psychophysiology: Control of human vigilance by concurrent schedules, *J. Exp. Anal. Behav.*, 69. Address: Dept. of Psychophysiology, Walter Reed Army Institute of Research, Washington, D.C. 20012.
- FREDERICK, DR. CALVIN J (FFERSON). Psychology. See A-K Vol. 11th ed. Soc. & Behav. Vols. Change of address: 10500 Rockville Pike, Apt. 809, Rockville, Md. 20852.
- FREDERICK, DR. HARRIET ELIZABETH. b. Champaign, Ill. Nov. 26, 06; m. 33; c. 5. PSYCHOLOGY, SPECIAL EDUCATION. A.B., Northwest State Col., 26; M.A., Illinois, 30, Ph.D. (deaf ed.), 65; M.A., Louisville, 60. Teacher, pub. schs., La., 26-39; high sch., Ill., 29-33; asst. teacher, Louisville Pub. Schs., La., 48-56; teacher deaf oral classes, 56-63, sch. psychologist, 64-66, superv. spec. ed., 66-67, sch. psychologist, 67; ASSOC. PROF. & PSYCHOL. CONSULT. SPEECH & LANG. DISORDERS & ED. PHYS. HANDICAPPED, NORTHWEST STATE COL., 67- Res. asst., Illinois, 60, 61-62 & 63-64; lectr., Louisville, 62-67; summers, speech & hearing therapist, Ky. Soc. Crippled Children, 60-62. Psychol. Asn; Speech & Hearing Asn; Asn. Children Learning Disabilities; Counc. Except. Children. Language development and language disorders in children, especially deaf, brain injured or emotionally disturbed children. Address: Special Education Center, Northwestern State College, Natchitoches, La. 71457.
- FREDERICKSON, DR. WILLIAM A. b. Sidney, Iowa, June 9, 34; m. 58; c. 1. PSYCHOLOGY. B.A., Willamette, 56; M.A., Baylor, 57; Ed.D. (ed. psychol. measurement), Oklahoma, 67. Instr. psychol., Southwestern Louisiana, 57-58; res. psychologist, Adj. Gen. Res. & Develop. Command, Dept. Army, 58-61; instr. PSYCHOL., Southwestern Louisiana, 61-64; CENT. STATE COL. (OKLA.), 64-66; instr. prof., 66-67; ASSOC. PROF., 67-68; CHMN. DEPT., 68-69; U.S.A., 68-61, 1st Lt. Human learning; psychometrics; social psychology. Address: Dept. of Psychology, Central State College, Edmond, Okla. 73034.
- FREDRIKSEN, DR. JOHN R. b. Feb. 15, 41; U.S. citizen; m. 65. PSYCHOLOGY. B.A., Harvard, 63; M.A., Princeton, 65, Ph.D. (psychol.), 66. Res. fel. PSYCHOL. Center Cognitive Studies, Harvard, 66-67; res. assoc., Mass. Inst. Tech., 67-68; ASST. PROF. BRANDEIS, 68- AAAS; Psychol. Asn; Psychometric Soc. Experimental studies of perception and memory; psychological scaling methods; cognitive processes; mathematical psychology. Publ: Cognitive factors in the recognition of ambiguous auditory and visual stimuli, *J. Personality & Soc. Psychol. Monogr.*, 67. Response perseveration in auditory word recognition, *J. Exp. Psychol.*, 79, 48-55. Address: Dept. of Psychology, Brandeis University, Waltham, Mass. 02154.
- FREDIAN, DR. ALAN J (AMES). Psychology. See A-K Vol. 11th ed. Soc. & Behav. Vols. New information: Also dir. inst. indust. rels., Loyola (Ill), 69- Address: 820 N. Michigan, Chicago, Ill. 60611.
- FREDLUND, DR. MELVIN C. b. Tacoma, Wash., Aug. 15, 36; m. 55; c. 3. ECONOMICS. B.A., Washington (Seattle), 65, M.A., 67, Ph.D. (econ.), 68. ASST. PROF. ECON., WAYNE STATE, 68- U.S.A. F. 56-60. Econ. Asn. Theoretical and empirical research in area of managerial decision models of firm behavior and effects on structure and performance of industries. Address: 10074 Vernon, Huntington Woods, Mich. 48070.
- FREDMAN, H. B. Anthropology. History. See A-K Vol. 11th ed. Soc. & Behav. Vols. New position: Sr. analyst, ops. eval. group, Center Naval Anal., 68- Address: 1827 Panorama Court, McLean, Va. 22101.
- FREED, DR. STANLEY (ARTHUR). Cultural Anthropology. See A-K Vol. 11th ed. Soc. & Behav. Vols. New information: Also acting chmn., 69- American Museum of Natural History, Central Park West at 79th St., New York, N.Y. 10024.
- FREEDHEIM, DR. DONALD K (OPERLIK). Psychology. See A-K Vol. 11th ed. Soc. & Behav. Vols. New information: Assoc. prof., Case Western Reserve, 69-; ed. *Prnl. Psychol.* Address: Dept. of Psychology, Case Western Reserve University, Cleveland, Ohio 44106.
- FREEDMAN, DR. DAVID ASA. Neurology, Psychiatry. See Suppl. VI to 11th ed. Phys. & Biol. Vols.
- FREEMAN, DR. DAVID MEADOWS. b. Glendive, Mont., Jan. 27, 39; m. 60; c. 3. INTERNATIONAL RELATIONS, POLITICAL SCIENCE. B.A., Rocky Mt. Col., 61; H.J. Heinz fel., Pittsburgh, 61-62, M.P.I.A., 64; univ. fel., Denver, 64-67, Ph.D. (int. rels.), 67. Progs. officer, Peace Corps, India, Ceylon & Nepal, 62-64; ASST. PROF. SOCIOL. OF DEVELOP., COLORADO STATE, 67- Polit. Sci. Asn; Soc. Int. Develop. Sociology of unplanned and planned change; social conflict; public policy formulation and execution. Address: Dept. of Sociology, Colorado State University, Ft. Collins, Colo. 80521.
- FREEMAN, DR. JAMES MONTAGUE. b. Chicago, Ill. Dec. 1, 36; m. 68. SOCIAL ANTHROPOLOGY. B.A., Northwestern, 58; fel. Harvard, 58-59, M.A., 64, Ph.D. (anthrop.), 68. ASST. PROF. humanities, SAN JOSE STATE COL., 66, ANTHROP., 66- ANTHROP. Asn; Asn. Asian Studies. Religion and myth; political anthropology; social change in South Asia. Publ: Myth and metaphysics in Indian thought, *Monist*, 10/66. Address: Dept. of Anthropology, San Jose State College, San Jose, Calif. 95114.
- FREEMAN, DR. JOAN E. Archeology, Museology. See A-K Vol. 11th ed. Soc. & Behav. Vols. New position: Archeologist, State of Wis., 65- Address: 1205 W. Midvale Blvd., Madison, Wis. 53711.
- FREEMAN, DR. JOHN A. Neuropsychology, Biophysics. See Suppl. VI to 11th ed. Phys. & Biol. Vols.
- FREEMAN, PROF. JOHN ALBERT. b. Keota, Okla., Jan. 15, 20; m. 52; c. 2. PSYCHOLOGY. B.A., Ouachita Baptist Col., 41; Th.M., South. Baptist Theol. Sem., 45; M.A., Okla. State, 54, Ed.D. (ed. psychol.), 56. Asst. prof. psychol., Oklahoma Baptist, 53-56; assoc. prof., Wayland Baptist Col., 56-60; res. assoc. parapsychol., Duke, 60-64; Inst. Parapsychol., 64-65; PROF. PSYCHOL. CAMPBELL COL. (N.C.), 66- Res. fel. parapsychol. lab., Duke, 60-63. Design and administration of test booklets in parapsychology, especially prediction of scoring direction based on intellectual differences, sex differences and target material. Publ: Co-auth. Sex differences in precognition tests, *Parapsychol. Today*, Citidel, 68; auth. Sex differences and primary mental abilities in a group precognition test, 68 & The psi differential effect in a precognition test, 69, *J. Parapsychol.* Address: 1614 University Dr., Durham, N.C. 27707.
- FREEMAN, PROF. LINTON C. Sociology. See A-K Vol. 11th ed. Soc. & Behav. Vols. New position & address: Prof., 69- Dept. of Sociology, University of Hawaii, Honolulu, Hawaii 96822.
- FREEMAN, DR. MILTON M (ALCOLM) (ROLAND). b. London, Eng. Apr. 23, 34; m. 67; c. 3. ANTHROPOLOGY, ECOLOGY. B.Sc., Reading, 56, B.Sc., 57; Carnegie Arctic scholar, McGill, 58-60, Ph.D. (ecol.), 65; London, 62-64. Res. asst. ecol., McGill, 60-61; field asst. ecol., zool. Arctic Biol. Sta., Fed. Fisheries Res. Bd., 61; res. demonstr. zool., Queen Elizabeth Col., London, 62-64; res. asst. ecol., Marine Sci. Center, McGill, 64-65; res. contract, Fed. Dept. Indian Affairs & North. Develop., 65-67; ASST. PROF. ANTHROP. MEMORIAL UNIV., 67- Res. grant, Nat. Mus. Can., 68; Soc. Sci. Res. Coun. travel grants to int. meetings, 68 & 69. Del. working party conf. Int. Biol. Prog. 67. Assoc. mem. Arctic Inst. N. Am.; Anthrop. Asn. Human ecological studies of maritime societies in the Arctic, especially changing ecologic adaptations of contemporary Eskimo groups. Publ: Ecological study of mobility & settlement patterns among the Belcher Island Eskimo, Arctic, 67; Studies in maritime hunting, I: ecologic and technologic restraints on walrus hunting, Southampton Island, N.W.T., Folk, 69; Ethics, economics and prestige—a reexamination of Netsilik Eskimo infanticide, *Proc. Int. Cong. Americanists*, 70. Address: Dept. of Sociology & Anthropology, Memorial University, St. John's, Newf., Can.
- FREEMAN, DR. RICHARD BARRY. b. New Windsor, N.Y., June 29, 44. ECONOMICS. B.A., Dartmouth Col., 63; Ph.D., Harvard, 68. ASST. PROF. ECON., Yale, 68-69; Harvard, 69-70; CHICAGO, 70- Labor, research and development economics. Publ: Co-auth. Population labor force and unemployment in chronically depressed areas, U.S. Govt. Printing Off., 64 & Labor economics, Prentice-Hall, (in press); auth. The labor market for high-level manpower, Harvard, (in press). Address: Dept. of Economics, University of Chicago, Chicago, Ill. 60637.
- FREEMAN, ROBERT B (URNS), JR. Experimental Psychology. See A-K Vol. 11th ed. Soc. & Behav. Vols. New position: Assoc. prof., 68- Dept. of Psychology, Pennsylvania State University, University Park, Pa. 16802.
- FREEMAN, DR. ROBERT E (DWIN). b. Fargo, N.Dak., Jan. 28, 16; m. 38; c. 4. ECONOMICS. B.S., Minnesota, 36; M.S., Connecticut, 37; Harvard, 37-38; Ph.D. (agr. econ.), Purdue, 64. Economist, Commodity Credit Corp., U.S. DEPT. AGR., 38-44, procedure officer naval stores mkt., Prod. & Mkt. Admin., 46-50, mkt. specialist, Agr. Mkt. Serv., 50-53, res. economist, ECON. RES. SERV., 53-67, GROUP LEADER RURAL HOUSING, 67- Instr., Maryland, 65- U.S.N.R., 44-46, Lt. (jg). Econ. Asn; Agr. Econ. Asn. Agricultural marketing; economic development. Publ: Roles of farm production and marketing margins on postwar decline in farm prices, *J. Farm Econ.*, 7/66; Farm retail price spreads for dairy products, 1939-68, 6/67 & Geographic pattern of fluid milk prices, 4/68, U.S. Dept. Agr. Address: 1021 Arlington Blvd., Apt. J-843, Arlington, Va. 22209.

- FREILICH, PROF. MORRIS. Cultural Anthropology. See A-K Vol. 11th ed, Soc. & Behav. Vols. New publ. Ed. Marginal natives; anthropologists at work, Harper & Row, 70. Address: Dept. of Sociology & Anthropology, Northeastern University, Boston, Mass. 02115.
- FREITAG, DR. GILBERT. b. Atlantic City, N.J. Mar. 30, 41; m. 63; c. 3. CLINICAL PSYCHOLOGY. B.A. California, Los Angeles, 63; M.A. Yale, 65, Ph.D.(clin. psychol.), 68. ASST. PROF. CLIN. PSYCHOL., CALIFORNIA, LOS ANGELES, 68. Child psychopathology; social responsiveness of autistic children; community mental health. Publ: Co-auth, Experimental studies in childhood schizophrenia: analysis of self-destructive behavior, 65. Establishment of social reinforcers in two schizophrenic children on the basis of food, 66 & An experimental study of the social responsiveness of children with autistic behaviors, 70. J. Exp. Child Psychol. Address: Dept. of Psychology, University of California, 405 Hilgard Ave, Los Angeles, Calif. 90024.
- FREITAG, DR. MELVIN. Experimental Psychology. See A-K Vol. 11th ed, Soc. & Behav. Vols. New position: Mem. tech. staff, Logicon, Inc. 69- Address: 1910 Shire Dr, El Cajon, Calif. 92020.
- FREITHALER, DR. WILLIAM O. Economics. See FORD, DR. WILLIAM FREITHALER, this Suppl.
- FRENCH, DR. EDWARD L (IVINGSTONE). Psychology. See 11th ed, Soc. & Behav. Vols, deceased 69.
- FRENCH, PROF. JOHN W (INSLOW). Psychology. See A-K Vol. 11th ed, Soc. & Behav. Vols. New information: Also res. consult, 69-, New College, Sarasota, Fla. 33578.
- FRENCH, PROF. WENDELL LOWELL. Industrial Psychology & Relations. See A-K Vol. 11th ed, Soc. & Behav. Vols. Change of address: 17364 Beach Dr. N.E. Seattle, Wash. 98155.
- FRESCHI, DR. VINCENT JOSEPH. Psychology. See A-K Vol. 11th ed, Soc. & Behav. Vols. New information: Psychol. consult, St. Gabriels Hall, 69- Address: 1424 Rollinview Dr, West Chester, Pa. 19380.
- FRETWELL, DR. STEVE D. Population Ecology. See Suppl. VI to 11th ed, Phys. & Biol. Vols.
- FRETZ, DR. BRUCE R. Psychology. See A-K Vol. 11th ed, Soc. & Behav. Vols. New position: Assoc. prof. 68-, Dept. of Psychology, University of Maryland, College Park, Md. 20742.
- FREUD, DR. SHELDON L (EE). Psychology. See A-K Vol. 11th ed, Soc. & Behav. Vols. New position: Dir. Freud Associates, consult. psychologists, 69- Address: 5108 26th Ave, Washington, D.C. 20031.
- FREUDENBERGER, DR. HERBERT J (USTIN). Clinical Psychology. See A-K Vol. 11th ed, Soc. & Behav. Vols. New information: Assoc. prof. N.Y. Univ. Address: 890 Park Ave, New York, N.Y. 10021.
- FREUND, DR. GERALD. Political Science, History. See A-K Vol. 11th ed, Soc. & Behav. Vols. New information: Consult. to pres. for planning in creative & performing arts, Yale, 69-; consult. humanities & soc. sci. & arts, Rockefeller Found. Address: Yale University, 304 Stratcona Hall, New Haven, Conn. 06520.
- FREUND, DR. LUDWIG F (RANZ). Political Science. See A-K Vol. 11th ed, Soc. & Behav. Vols. Change of address: Bevenger Weg 10, Apt. B 407, 3 Hannover-Kleefeld, W.Germany.
- FREY, DR. M. WILLIAM, II. Management Science, Psychology. See A-K Vol. 11th ed, Soc. & Behav. Vols. New information: Ph.D.(bus. admin), Pa. State, 63. Assoc. prof. mgmt. & dir, M.B.A. prog. 68-, School of Business, University of Massachusetts, Amherst, Mass. 01002.
- FREY, DR. PETER WILLIAM. b. Corning, N.Y. May 19, 42; m. 64; c. 1. PSYCHOLOGY. B.A. Yale, 64; M.A. Wisconsin, 66. Ph.D.(psychol.), 68. ASST. PROF. PSYCHOL. NORTHWESTERN, 68- Nat. Inst. Ment. Health res. grants, 69-72. A.A.S. Psychonomic Soc. Pavlovian conditioning in animals; central stimulation and learning; mathematical models of learning. Publ: Differential conditioning of the rabbit eyelid response with an examination of Pavlov's induction hypothesis, J. Comp. Physiol. Psychol., 64: 277-283; Magnesium penicillin: effect on avoidance conditioning in rats, Science, 155: 1281-1282; Differential rabbit eyelid conditioning as a function of age, interstimulus interval, and cue similarity, J. Exp. Psychol., 61: 326-333. Address: Dept. of Psychology, Northwestern University, Evanston, Ill. 60201.
- FREY, DR. ROGER B (URNHAM). Psychology. See A-K Vol. 11th ed, Soc. & Behav. Vols. New position: Acting dir. 69-, South Campus, University of Maine, Bangor Hall, Bangor, Maine 04401.
- FRIED, DR. PETER ALEXANDER. b. Chester, Eng. Dec. 15, 43; Can. citizen; m. 58. PHYSIOLOGICAL PSYCHOLOGY. B.Sc. McGill, 64; M.A. Waterloo, 65, Ph.D.(psychol.), 67. ASST. PROF. PSYCHOL., CARLETON (ONT), 68- Nat. Res. Coun. grant, 68-69; Med. Res. Coun. res. grant, 68-70. Approach-Avoidance conflict in children and subhuman species; the physiological correlates of conflict resolution. Publ: Co-auth, The effects of hippocampal lesions at different stages of conflict in the rat, Physiol. & Behav., 2: 325-330; auth, Effects of septal lesions on conflict reduction in rats, J. Comp. & Physiol. Psychol., 69: 373-380; Case study: restoration of binocular vision to a functionally monocular sighted adult, Perceptual & Motor Skills, 30: 939-943. Address: Dept. of Psychology, Carleton University, Ottawa, Ont, Canada.
- FRIEDBERG, DR. FRANK TED, b. Houston, Tex, Aug. 13, 38; m. 60; c. 3. CLINICAL PSYCHOLOGY. B.S. North Texas State, 60, M.S., 61; Ph.D.(psychol.), Georgia, 68. Staff psychologist, Cent. La. State Hosp, Pineville, 61- 63; E.La. State Hosp, Jackson, 64-65; ASST. PROF. PSYCHOL., SOUTH-WESTERN LOUISIANA, 68- Part-time staff psychologist, Lafayette Ment. Health Center, 87- Psychol. Assn. Individual psychotherapy. Address: 105 Grace Ave, Lafayette, La. 70501.
- FRIEDEL, DR. MORRIS F. Sociology. See A-K Vol. 11th ed, Soc. & Behav. Vols. New position & address: Assoc. prof. 69-, Dept. of Sociology, University of California, Santa Barbara, Calif. 93106.
- FRIEDLAENDER, DR. JONATHAN SCOTT. Physical Anthropology. See Suppl. V to 11th ed, Phys. & Biol. Vols.
- FRIEDLAND, PROF. S (EYMOUR). Economics. See A-K Vol. 11th ed, Soc. & Behav. Vols. New position: Dir. Capital mkts. res. prog, York, 68- Address: 34 Green Valley Rd, Toronto, Ont, Can.
- FRIEDLAND, DR. WILLIAM H (ERBERT). Sociology. See A-K Vol. 11th ed, Soc. & Behav. Vols. New position: Prof. commun. studies & social, 69-, Stevenson College, University of California, Santa Cruz, Calif. 95060.
- FRIEDLANDER, DR. BERNARD Z (UCKERT). Psychology. See A-K Vol. 11th ed, Soc. & Behav. Vols. New position & address: Prof. 70-, Dept. of Psychology, University of Hartford, 200 Bloomfield Ave, West Hartford, Conn. 06117.
- FRIEDMAN, DR. BERNARD H (ERTZ). Economics. See A-K Vol. 11th ed, Soc. & Behav. Vols. New position: Prof. 68-, Dept. of Economics, Kutztown State College, Kutztown, Pa. 19330.
- FRIEDMAN, DR. JOSEPH. Clinical Psychology. See A-K Vol. 11th ed, Soc. & Behav. Vols. Change of address: 135 Henfield Ave, Cherry Hill, N.J. 08034.
- FRIEDMAN, PROF. JULIAN R (ICHARD). Political Science. See A-K Vol. 11th ed, Soc. & Behav. Vols. New position: Prof. polit. sci, Syracuse, 69- Address: 122 Westminster Ave, Syracuse, N.Y. 13210.
- FRIEDMAN, PROF. LAWRENCE M. Law. See 5th ed, Dir. Am. Scholars, Vol. IV, Philos, Relig. & Law.
- FRIEDMAN, DR. MERTON H (IRSCH). Psychology. See A-K Vol. 11th ed, Soc. & Behav. Vols. New information: Clin. assoc. prof. psychiat, N.J. Col. Med. Address: Psychology Service, Veterans Administration Hospital, East Orange, N.J. 07018.
- FRIEDMAN, PROF. MONROE PETER, b. Brooklyn, N.Y. Oct. 16, 34; m. 56; c. 3. PSYCHOLOGY. B.S. Brooklyn Col, 56; Ph.D.(psychol.), Tennessee, 59. Jnst. psychol., Tennessee, 57-58; human factors scientist, Syst. Develop. Corp. Calif., 59-64; assoc. prof. PSYCHOL., EASTERN MICHIGAN, 64-69. PROF., 69- Am. Polit. Sci. Assn. cong. fel, 66-67. Psychol. Assn. Consumer problems; man-machine systems; foreign affairs. Publ: Co-auth, The effects of hunger on taste and odor RLs, J. Comp. & Physiol. Psychol., 53: 576-581; auth, Consumer confusion in the selection of supermarket products, J. Appl. Psychol., Vol. 40, No. 6 & Quality and price c08; auth, The role of consumer decision making, J. Consumer Affairs, 1: 13-23. Address: Dept. of Psychology, Eastern Michigan University, Ypsilanti, Mich. 48197.
- FRIEDMAN, DR. S. THOMAS, b. Chicago, Ill. Feb. 3, 18; m. 40; c. 3. SOCIAL PSYCHOLOGY. B.A. Illinois, Urbana, 38; M.A. Northwestern, 40; Ph.D.(psychol.), Texas, Austin, 63. Psychologist, Jewish Voc. Serv. 38-42; exec. dir. Southwest Community Relts. Coun. 46-59; ASSOC. PROF. ED. PSYCHOL., TEXAS, AUSTIN, 63- U.S.A.A.F. 42-45, 1st Lt. Psychol. Assn. Ed. Res. Assn. Attitude measure; social change. Address: Dept. of Educational Psychology, University of Texas at Austin, Austin, Tex. 78712.
- FRIEDMAN, DR. STANFORD B. Pediatrics. See A-K Vol. 11th ed, Soc. & Behav. Vols. New position: Assoc. prof. pediat. & psychiat, 68-, Dept. of Pediatrics, University of Rochester, Medical Center, Rochester, N.Y. 14620.
- FRIEDMAN, DR. WILLIAM HERBERT, b. Indianapolis, Ind. May 16, 33; m. 60; c. 3. CLINICAL PSYCHOLOGY. A.B. Kansas, 58; M.A. Connecticut, 60, Ph.D.(psychol.), 64. Lectr. psychol. North Carolina, Greensboro, 63-64, asst. prof. 65-66, dir. counseling center, 64-66; CHIEF CLIN. PSYCHOLOGIST, PSYCHIAT. DIV. STUDENT HEALTH SERV. INDIANA, BLOOMINGTON, 66- U.S.A. 53-56. Psychol. Assn. Col. Health Assn. Psychotherapy. Publ: Co-auth, Relationship of A-B status to patient symptomatology and psychotherapy experiences, J. Abnormal Psychology, 69; auth, The role of research in student health services, 69 & co-auth, Mental health unit of a student health service: a study of a clinic, 69. J. Am. Col. Health Assn. Address: Student Health Center, Indiana University, Bloomington, Ind. 47401.
- FRIEDMANN, PROF. JOHN. Economics. See A-K Vol. 11th ed, Soc. & Behav. Vols. New position: Prof. 69-, School of Architecture & Urban Planning, 1118 School of Architecture, University of California, Los Angeles, Calif. 90024.
- FRIEDRICHS, DR. DAVID WILLIAM, b. Baton Rouge, La. Jan. 24, 25; m. 52; c. 1. POLITICAL SCIENCE. Concordia Sem. 46-52; Auburn, 58-59, Danforth Found. grant, 59; Ph.D.(polit. sci), Tulane, 67. Asst. prof. polit. sci, Concordia Col. 64-66; academic dean, MICH. LUTHERAN COL., 68-69, DIR. RES. POLIT. SCI., 68- ACADEMIC V.PRES, 69- U.S. Off. Ed. fel. inst. res. & develop. Ore. State Syst. Higher Ed. summer 69. Consult. polit. affairs & ed. & develop. Graba Res. & Mgt. Consults, 70. Polit. Sci. Assn. Ed. Res. Assn. Urban politics; urban higher education for minorities, research and development. Address: Dept. of Research, Michigan Lutheran College, 7351 Woodward Ave, Detroit, Mich. 48202.
- FRIEL, DR. CHARLES MICHAEL, b. Westfield, N.J. Nov. 17, 39; m. PSYCHOLOGY, CRIMINOLOGY. B.A. Catholic Univ, 62, M.A., 64, Ph.D.(psychol.), 68; fel. Cornell, 64-66. Res. assoc. aerospace med, Manned Spacecraft Center, NASA, Houston, 66-67; ASSOC. PROF. STATIST. RES, SAM

- HOUSTON STATE & DIR. CRIMINOL. RES. INST. CONTEMPORARY CORRECTIONS & BEHAV. SCI, 67- Consult. Tex. Criminal Justice Coun, Austin, 68-; Proj. Search, U.S. Dept. Justice, 69- Psychol. Assn; Nat. Inst. Crime & Delinquency; Int. Narcotics Enforcement Off. Asn. Criminal law; the courts; law enforcement; corrections; criminal statistics. Publ: Job obsolescence in law enforcement and correctional field, Inst. Contemporary Corrections & Behav. Sci, Sam Houston State Univ, 68 & The Negro law enforcement officer in Texas, Criminal Justice Monogr, Vol. 1, No. 4. Address: Dept. of Behavioral Science, Sam Houston State University, Huntsville, Tex. 77340.
- FRIER, PROF. DAVID ARNOLD, b. Benton, Ill, Mar. 29, 31; m. 52; c. 4. POLITICAL SCIENCE. B.S. Southern Illinois, 54, M.A., 57, Ph.D. (polit. sci.), 66. ASST. POLIT. SCI., Southern Illinois, 54-56, lectr., 56-66; asst. prof. Western Illinois, 66-69, assoc. prof., 69-70, PROF., 70- Summers, Vis. prof., Carleton (Ont), 69, Slippery Rock State Col., 70. Consult. League Women Voters, 69. American institutions, especially in the area of conflict of interest. Publ: Conflict of interest in the Eisenhower administration, Iowa State Univ, 69 & Penguin, 70. Address: Dept. of Political Science, Western Illinois University, Macomb, Ill. 61455.
- FRIERSON, DR. EDWARD C., b. Akron, Ohio, Dec. 22, 33; m. 55; c. 6. PSYCHOLOGY, EDUCATION. B.A. Wheaton Col. (Ill), 55; M.Ed. Miami (Fla), 59; Ph.D. (spec. ed.), Kent State, 54. Instr. ed. Kent State, 61-64; assoc. prof. spec. ed. George Peabody Col., 64-69; LECTR. SPEC. ED. TENNESSEE, NASHVILLE & EXEC. DIR. NASHVILLE LEARNING CENTER, 69. Distinguished lectr., med. sch., Univ. California, 68. University of Northern Illinois, 69. Consult. White House Task Force on Talent Development, 68-69; World Fedn. Neurol. Res. Group on Dyslexia & World Illiteracy, 68. Pres. distinguished serv. award, Int. Asn. Children with Learning Disabilities, 69. Sig. C. U.S.A.R., 55-65, Capt. Psychol. Asn; Personnel & Guid. Asn; Ed. Res. Asn. Unusual learning abilities and disabilities in children; creativity. reading. Publ: Co-auth. Educating children with learning disabilities, Appleton, 67; auth. Gifted children with specific learning disabilities, Spec. Child Pub. 68; The Gifted, Am. Ed. Res. Asn. Res. Rev., 69. Address: 925 Davidson Dr, Nashville, Tenn. 37205.
- FRISANCHO, DR. ROBERTO. Physical Anthropology. See Suppl. V to 11th ed, Phys. & Biol. Vols.
- FROELICH, DR. ROBERT EARL. Psychiatry. See A-K Vol, 11th ed, Soc. & Behav. Vols. New position & address: Assoc. prof. psychiat., 69- University of Oklahoma School of Medicine, 800 E. 13th St, Oklahoma City, Okla. 73104.
- FROHOCK, DR. FRED M., b. Perry, Fla, Feb. 7, 37; m. 63; c. 1. POLITICAL SCIENCE. B.A. Florida, 60, M.A., 61; Ph.D. (polit.), North Carolina, 66. Asst. prof. polit. sci., Syracuse, 65-68; Soc. Sci. res. training flt., 68-69; ASSOC. PROF. POLIT. SCI., SYRACUSE, 69- Polit. Sci. Asn; Soc. Polit. & Legal Philos. Moral reasoning and political policy with a view to exploring reason of state. Publ: The nature of political inquiry, Dorsey, 67. Address: Dept. of Political Science, Syracuse University, Syracuse, N.Y. 13210.
- FROMME, DR. DONALD K., b. Dodge City, Kans, Nov. 25, 38; m. 65; c. 1. CLINICAL PSYCHOLOGY. B.Mus. Boston, 61; Ph.D. (psychol.), Iowa, 66. Intern. clin. psychol. Hawaii State Hosp, Kaneohe, 63-64; lectr. PSYCHOL., Far East div, Univ. Maryland, 65-66; European div, 66-67; ASSOC. PROF., OKLA. STATE, 67- Psychol. consult. Payne County Guid. Center, Stillwater, Okla, 67-; Garfield County Guid. Center, Enid, 69- Psychol. Asn. Study of physiological, learning and sociocultural parameters related to emotional, abnormal and small group behavior and techniques for modifying such behavior. Address: Dept. of Psychology, Oklahoma State University, Stillwater, Okla. 74074.
- FROMOVITZ, DR. STANLEY, b. Lodz, Poland, May 31, 36; Can. citizen. STATISTICS, MANAGEMENT SCIENCE. B.A.Sc. Toronto, 60, M.A., 61; Ph.D. (statist.), Stanford, 65. Mathematician Shell Develop. Co, Calif., 64-67; ASST. PROF. QUANT. METHODS, SANTA CLARA, 68- Ops. Res. Soc. Am. Mathematical programming; inventory theory; operations research—general modeling. Publ: Non-linear programming with randomization, Mgt. Sci., 7/65; A class of one-period inventory models, Ops. Res., 9/65; co-auth. A Maximum principle in mathematical programming, Proc. Conf. Math. Theory of Control, 1/67. Address: School of Business, University of Santa Clara, Santa Clara, Calif. 95053.
- FROOMKIN, DR. JOSEPH NATHAN, b. Harbin, China, Feb. 7, 27; U.S. citizen; m. 58; c. 2. ECONOMICS. B.A., St. John's Univ., New York, N.Y., 50; Chicago, 47, Ph.D., 50. Economist, fiscal div, UN, 50; Mayor's Cmt. Mgt. Surv. New York, N.Y., 50-51; res. assoc. bur. appl. soc. res. Columbia, 51; economist, int. prog. taxation, law sch., Harvard, 54-55; res. economist, Aeronaut. Res. Found., Mass., 55-57; systems analyst & planner, Int. Bus. Mach. Corp., N.Y., 57-66; asst. cmr. ed. for prog. planning & eval. Off. Ed., U.S. Dept. Health, Ed. & Welfare, 66-69; PLANNER, INT. BUS. MACH. CORP., D.C., 69- Wollman Mem. lectr., City Col. New York, 64. Agency Int. Develop. consult., Japan, 61; Morocco, 65. U.S.A., 52-54, Sgt. Econ. Asn; Statist. Asn. Government policy for education; economic development; public finance; planning and corporate finance. Publ: Co-auth. Technology and jobs: automotive and petrochemical, 68; auth. Students and buildings & Aspirations, enrollments and resources: the challenge to higher education in the seventies, 70. U.S. Govt. Printing Off. Address: 4724 32nd St. N.W., Washington, D.C. 20008.
- FROST, PROF. RICHARD T., b. Burlington, Vt, Dec. 30, 26; m. 52; c. 4. POLITICAL SCIENCE. A.B. Wesleyan, 49, Ph.D. (pol. sci.), Syracuse, 56. Asst. prof. polit. sci., Princeton, 56-61; assoc. prof. building & asst. to pres. Reed Col., 61-63, prof. & v. pres., 63-65, prof., 67-69; nat. dir. proj. upward bound, U.S. Off. Econ. Opportunity, 65-67; PROF. POLIT. SCI., SYRACUSE & DIR. URBAN STUDIES, SYRACUSE UNIV. RES. CORP., 69- U.S.A.F., 51-54, 1st Lt. Polit. Sci. Asn; Soc. Pub. Admin. Race relations in United States cities. Publ: Cases in state and local government, 61 & co-auth. Cases in American national government, 68, Prentice-Hall; Schoolmen and politics, Syracuse Univ, 62. Address: Dept. of Political Science, Syracuse University, 723 University Ave, Syracuse, N.Y. 13210.
- FRUCHT, DR. RICHARD. Anthropology. See A-K Vol, 11th ed, Soc. & Behav. Vols. New information: Assoc. prof. Alberta, 70-; vis. faculty, McGill, 70-71. Address: Dept. of Anthropology, University of Alberta, Edmonton, Alta, Can.
- FRUMKES, DR. THOMAS EUGENE. Physiological Psychology, Neuropsychology. See Suppl. V to 11th ed, Phys. & Biol. Vols.
- FRUMKIN, DR. ROBERT (MARTIN), b. Newark, N.J., Mar. 20, 28; div. c. 1. REHABILITATION PSYCHOLOGY, BEHAVIORAL SCIENCES. B.A. Upsala Col., 48; New Syracuse, 53-64; 48-49; M.A. Ohio State, 51. Ph.D. (social. psychol.), 61; Soc. Res. Soc. Res., Cleveland Inst. Art, 65-66. Instr. social. & psychol. Hampton Inst., summer 52; soc. res. analyst, Ohio State Univ, Ment. Hyg. & Correction, 52-54; instr. social. & psychol., Buffalo, 54-57; psychiatrist, soc. worker, Buffalo State Hosp, N.Y., summer 57; asst. prof. social. & anthrop. State Univ. N.Y. Oswego, 57-61, assoc. prof., 61-63; res. assoc. geront., Benjamin Rose Inst., 64-65; dir. res. Community Action for Youth, Cleveland, Ohio, 65-66; Cleveland Soc. Blind, 66-67; ASSOC. PROF. REHAB. COUNSELING & RES. KENT STATE, 67- Abstr. Psychol. Abstracts, 54-63; lectr., Cuyahoga Community Col., 65-66. Consult. N.Y. State Dept. Health, 56 Nat. League for Nursing, 59; Cleveland Psychol. Inst., 66. Res. ed. J. Human Rel., 58- Hosp. C, U.S.N., 46-47. Fel. Sociol. Asn; fel. Soc. Sci. Study Sex; Psychol. Asn. Social psychiatry and pathology; sexual behavior: social psychology of art, Pa. State, 63. Prof. officer admin. & cultural scholar, mental health and mental disorder, Norton, 55; Sexual freedom. In: Encyclopedia of sexual behavior, Hawthorn, Vol. 1, 61; Social class, religion, values, and dogmatism as factors in painting preferences, Indian J. Soc. Res., 1 61. Address: 310 Education Bldg. Kent State University, Kent, Ohio 44240.
- FRY, DR. FRANKLYN (DWEY). Clinical Psychology. See A-K Vol, 11th ed, Soc. & Behav. Vols. New position: Chief psychologist, 69- Governor Bacon Health Center, Delaware City, Del. 19706.
- FRY, DR. PREM S., b. Karachi, Pakistan, Feb. 20, 34; m. 66. PSYCHOLOGY, SOCIOLOGY. M.A. Agra 53; Fulbright ltr. Michigan, 59-60, M.A., 61; Ph.D. (counseling, psychol.), Pa. State, 63. Prog. officer admin. & cultural scholar, U.S. Ed. Found, India, 63-64; psychol. counsr. & res. consult. off. dean women, Pa. State, 64-66; asst. prof. ED. PSYCHOL. CALGARY, 66-69. ASSOC. PROF., 69- STUDENT COUNSR, 66. Psychol. Asn; Personnel & Guid. Asn. Measurement of leadership potential; measurement of behavioral change through laboratory education. Publ: Personality characteristics differentiating leaders from non-leaders in a university setting, spring 64 & A survey of student attitudes, fall 66, Nat. Asn. Women Deans & Counsr. J.; Guilt theory versus anxiety theory of maladaptive behavior. Can. Psychol. 10/69. Address: Student Counseling Services, University of Calgary, Calgary, Alta. Can.
- FRYE, DR. ALTON, b. Nashville, Tenn, Nov. 3, 36; m. 53. INTERNATIONAL RELATIONS. B.S. St. Louis, 58; Wilson ltr. Yale, 58-59, Young ltr. 59-60, Gen. Elec. Found. & Sterling ltr. 60-61, Ph.D. (int. rels.), 61. News dir. WNAH, WMAK, Nashville, Tenn, 53-54; WTMV, KXLV, WEW, St. Louis, Mo. 54-56; personnel dir. & acting dir. pub. rels. Dept. Parks & Recreation, St. Louis, 56-58; news dir. WELI, New Haven, Conn., 59-61; consult. Rand Corp. 61-62, soc. scientist, 62-68; LEGIS. ASST. & STAFF DIR. SENATOR EDWARD W. BROOKE, 68- Am. Polit. Sci. Asn. congressional fel., 61-62; res. fel. Center Int. Affairs, Harvard, 65-66; vis. asst. prof. California, Los Angeles, summer 64. Consult. Dept. Housing & Urban Develop. & Nat. Adv. Cmn. on Civil Disorders, 67. Hist. Asn; Polit. Sci. Asn. Soc. Int. Law Acad. Polit. & Soc. Sci; Inst. Strategic Studies. National security policy; science and public policy; urban policy. Publ: Nazi Germany and the American hemisphere, 1933-1941, Yale, 67; Politics—the first dimension of space, J. Conflict Resolution, 3/66; Soviet space activities: a decade of pyrrhic politics, Int. Outer space: prospects for man and society, Praeger, 68. Address: 1242 Titania Lane, McLean, Va. 22101.
- FRYE, PROF. JOSEPH LOUIS, b. High Shoals, N.C., Sept. 26, 19; m. 46; c. 4. ECONOMICS. B.S. Tennessee, 49, M.S. 50; Ph.D. (econ), Florida, 58. Asst. prof. TRANSPORTATION, TENNESSEE, KNOXVILLE, 54-56, assoc. prof. 56-60, PROF., 60- U.S.A., 41-45, Res. 45-46, Col. Soc. Traffic & Transportation. Foreign trade; national and state regulatory policy; industrial development; transportation and physical distribution education. Publ: The economic effect of freight rates on crude sulphur in the Southeast, 58 & Intermodal coordination, 64, Tenn. Valley Authority; co-auth. The transportation complex of South Carolina, State Indust. Cmn. S.C. 60. Address: Dept. of Transportation, University of Tennessee, Knoxville, Tenn. 37916.
- FRYMAN, DR. RICHARD FELIX, b. Oxford, Ohio, Dec. 22, 38; m. 63; c. 1. ECONOMICS, PUBLIC FINANCE. B.S. Miami (Ohio), 61, M.A., 62; Ph.D. (econ. pub. finance), Illinois, 67. Instr. ECON. Miami (Ohio), 62-63. ASST. PROF. SOUTHERN ILLINOIS, 66- ASST. DEAN SCH. DES. 69. Nat. Tax Asn. Public finance, with emphasis on state and local expenditures and revenues. Publ: Co-auth. Comparison of revenues and expenditures in income and non-income tax states in 1962, 12/64 & auth. Sales taxation of producers' goods in Illinois, 6/69, Nat. Tax J. Address: School of Business, Southern Illinois University, Carbondale, Ill. 62901.
- FRYMYER, PROF. JACK R., b. Albion, Ind, Mar. 18, 25; m. 47; c. 3. PSYCHOLOGY. B.Ed. Miami, 49, M.Ed. 50; Ed.D. (Florida), 57. Instr. ed. Miami (Fla), 50-54; teacher soc. studies, lab. sch. Florida, 54-56; asst. prof. curriculum, Temple, 57-59; asst. prof. ed. Auburn, 59-60; dir. instr. Orange Co. Pub. Schs. Fla. 60-62; PROF. CURRICULUM, OHIO STATE, 62- U.S.A., 43-46 & 51-52. Fel. AAAS; Ed. Res. Asn. Curriculum; study of human motivation; curriculum and instructional theory. Publ: The nature of educational method, 65 & Fostering educational change, 69, C.E. Merrill, ed. Theory into practice, Ohio State Univ, 67. Address: Dept. of Curriculum and Foundation, Ohio State University, 29 W. Woodruff Ave, Columbus, Ohio 43210.

- FUCHS, DR. ESTELLE. Anthropology. See A-K Vol, 11th ed, Soc. & Behav. Vols. New information: Also res. assoc. grad. dept. ed. Chicago, 69-70; assoc. dir. Nat. Study Am. Indian Ed. Address: 681 E. 24th St, Brooklyn, N.Y. 11210.
- FUCIGNA, JOSEPH T. Psychology. See A-K Vol, 11th ed, Soc. & Behav. Vols. New position: Exec. v-pres, Dunlap & Associates, Inc, 69- Address: 8 Huckleberry Dr, Norwalk, Conn. 06850.
- FUDIN, DR. ROBERT, b. New York, N.Y. Apr. 24, 34; m. 68; c. 2. PSYCHOLOGY. B.A. City Coll. New York, 59, M.A., 61; Ph.D.(gen. exp. psychol.), N.Y. Univ. 67. ASST. PROF. PSYCHOL. LONG ISLAND, 67- Psychol. Asn. Perception, especially as applied to personality and psychopathology; philosophical aspects of space perception and clinical theory. Address: Dept. of Psychology, Long Island University, Brooklyn Center, Brooklyn, N.Y. 11201.
- FUGLER, DR. CHARLES MCGHEE. Human Ecology. See Suppl. V to 11th ed, Phys. & Biol. Vols.
- FUKUI, DR. HARUHIRO, b. Japan, Feb. 19, 35; m. 59; c. 2. POLITICAL SCIENCE. B.A., Tokyo Univ. For. Stud. 57; M.A., Tokyo, 61; scholar, Australian Nat. Univ. 64-67, Ph.D.(int. rels.), 68. Vis. lectr. Japanese hist, Adelaide, 67; ASST. PROF. POLIT. SCI., CALIFORNIA, SANTA BARBARA, 68- Asn. Asian Studies; Prof. Polit. Sci. Asn. Comparative politics and international relations with emphasis on Japan and East Asia. Publ: Party in power: the Japanese Liberal-Democrats and policy-making, Univ. California, 70; The associational basis of decision-making in the Liberal-Democratic Party, In: Papers on modern Japan, Australian Nat. Univ. 65; Twenty years of revisionism, In: The constitution of Japan, Univ. Washington, 68. Address: Dept. of Political Science, University of California, Santa Barbara, Calif. 93106.
- FUKUYAMA, DR. YOSHIO. Sociology, Religion. See 5th ed, Dir. Am. Scholars, Vol. IV, Philos, Relig. & Law.
- FULDA, STEVEN M(AX), b. Kassel, Germany, Dec. 20, 32; U.S. citizen: m. 56; c. 3. MANAGEMENT SCIENCE, ENGINEERING ECONOMICS. B.S., Southern Methodist, 54; M.S., N.Y. Univ., 62, Nat. Defense Ed. Act fel. 64-67. Mem. tech. staff, systs. eng. div, Bell Tel. Labs. 54-66; econ. studies supvr, MGT. SCI. DIV. AM. TEL. & TEL. CO., 66-68, MGR. ANAL. SCIENCES, 68- Lectr., California, 56-57; grad. sch. bus. admin., N.Y. Univ. 66- Consult, Planning Bd. & Sch. Bd. Madison, N.J., 64-67. U.S.A.F. 55-57, Capt. Am. Soc. Eng. Ed. Inst. Mgt. Sci. Nat. Assn. Bus. Econ. Economist. Soc. Application of quantitative methods to public utility corporate decision problems; quantitative characterization of the social-economic environment of public utilities. Publ: History and organization of the bell system, 64 & co-auth, Transmission and switching systems for communications, 65, Bell Tel. Labs; co-author, Numerical analysis of gamma functions, Math. Tables & Other Aids to Computation, 59. Address: American Telephone & Telegraph Co, 195 Broadway, New York, N.Y. 10007.
- FULKERSON, DR. FRANK E. III, b. Alton, Ill. Sept. 15, 42; m. 64; c. 2. PSYCHOLOGY. A.B., St. Louis, 64, Nat. Defense Ed. Act fel. 64-67, M.S.(R), 66, NASA train. asst., Washington State, 62-68, CHIEF, ECON. ANAL., WESTERN ILLINOIS, 68- Psychol. Asn. Effects of drive on verbal-discrimination learning; methodological variations and associative relationships in verbal-discrimination learning. Publ: Co-auth, Unlearning of list 1 right items in verbal-discrimination transfer, J. Exp. Psychol., 67 & effects of intrapair and interpair bidirectional associates on verbal-discrimination learning, J. Verbal Learning & Verbal Behavior, 69. Address: Dept. of Psychology, Western Illinois University, Macomb, Ill. 61455.
- FULLER, PROF. CHARLES E. Anthropology. See A-K Vol, 11th ed, Soc. & Behav. Vols. New information: Also chmn, 70- Dept. of Anthropology & Sociology, St. John's University, Jamaica, N.Y. 11432.
- FULLER, PROF. DONALD C(OLDWELL). Business Administration. See A-K Vol, 11th ed, Soc. & Behav. Vols. New information: Retired, 71. Address: P.O. Box 875 Milledgeville, Ga. 31061.
- FULLER, DR. FRANCES FALLON. Psychology. See A-K Vol, 11th ed, Soc. & Behav. Vols. New position: Prof., 69-, University Junior High Bldg, University of Texas, Austin, Tex. 78712.
- FULLER, DR. JOHN WILLIAMS, III, b. Phoenix, Ariz., Nov. 8, 40; m. 62. ECONOMICS. A.B., San Diego State Coll., 62; Ph.D.(econ), Washington State, 68. Teaching asst., econ., Washington State, 62-68, CHIEF, ECON. ANAL., WIS. DEPT. TRANSPORTATION, 68- Summers, economist, Bur. Labor Statist, 63, acting asst. dir., Spokane Metrop. Area Transportation Study, 65, transportation econ., West. Hwy. Inst., 66, 67, lectr., grad. sch. bus. admin., Wisconsin, 69, 70. Consult. rehab. res. inst., Univ. Wisconsin, 69. Mem. Transportation Res. Forum. Econ. Asn. Nat. Tax Asn. Economic evaluation of motor vehicle size and weight limits, especially quantification of benefits and costs; benefit-cost methodology; urban transport. Publ: Co-auth, Twenty years later: postwar employment trends in the West, Bur. Labor Statist., 9/65; auth, Transportation in the Western livestock industry, West. Hwy. Inst., 3/67 & Current issues in the regulation of motor vehicle sizes and weights, Congressional Record, 7/68. Address: 4037 Monona Dr, Apt. 3, Madison, Wis. 53716.
- FULLER, DR. MARIE MARSHALL, b. Mason, Tex. Nov. 8, 28; wid; c. 1. SOCIOLOGY. B.A. Baylor, 50; M.J. Texas, Austin, 61, Ph.D.(sociol), 68. ASST. PROF. SOCIOL., TEXAS WOMAN'S UNIV., 68- Sociol. Asst. Methodology; urban sociology; mass communication; industrial sociology. Publ: Career studies, Sch. Jour., Univ. Tex., 61; co-auth, ... And the winds blew, Hogg Found. Ment. Health, Austin, 64, & Work as central life interest of managers, workers, and independent businessmen, Proc. Southwest. Soc. Anal., 69. Address: 1916 Southridge Dr, Denton, Tex. 76201.
- FULLERTON, DR. GAIL PUTNEY. Sociology. See A-K Vol, 11th ed, Soc. & Behav. Vols. New position: Assoc. prof., Dept. of Sociology, San Jose State College, San Jose, Calif. 95114.
- FULMER, DR. ROBERT M. Management, Marketing. See A-K Vol, 11th ed, Soc. & Behav. Vols. New position: Prof., 69-, Dept. of Management, Georgia State University, Atlanta, Ga. 30303.
- FULTON, JOSEPH FRANK. Economics. See A-K Vol, 11th ed, Soc. & Behav. Vols. New position: Labor rels. analyst, U.S. Library of Cong., 69- Address: 6544 Placid St, Falls Church, Va. 22043.
- FUNDABURK, DR. EMMA LILA, b. Luverne, Ala., Dec. 14, 22. ECONOMICS. A.B., George Washington, 44; M.A., Northwestern, 46; Ph.D.(econ), Ohio State, 63. Econ. analyst, U.S. Dept. State, 44-45; Ala. Dept. Labor & Indust. Rel., 46-47; instr. econ. center, Univ. Alabama, 47-48; planning technician, Ala. Planning Bd., 48-49; Huntington Col., 50-51; dist. economist, Off. Price Stabilization, Montgomery, Ala., 51-52; contract acct., Maxwell Air Force Base, 52-54; auth. & publisher, 55-58; instr. econ., Ohio State, 58-63; asst. economist, econ. res. center, Hawaii, 63-66; asst. prof. ECON., BOWLING GREEN STATE, 66-68, ASSOC. PROF., 68- Ins. salesman, Jefferson Standard Life, Montgomery, Ala., 52-54; summer fel., Case Western Reserve, 69. Econ. Asn.; Acad. Soc. & Polit. Sci.; Asn. Adv. Slave Studies; Asn. Study Soviet-Type Econ. Industrial economics; history of economic thought; economic bibliography. Publ: Indicators of economic activity in Kauai, 65 & Garment manufacturing on the Neighbor Islands, 66, Univ. Hawaii; Reference materials and periodicals in economics, Scarce, 70. Address: Dept. of Economics, Bowling Green State University, Bowling Green, Ohio 43402.
- FUNK, DR. RUTH ANNE (JOHNSON). Psychology. See A-K Vol, 11th ed, Soc. & Behav. Vols. New position: Chief psychologist, Robert Soule Clinic, Syracuse, 68- Address: 4967 Fayetteville Rd, Manlius, N.Y. 13104.
- FURBY, DR. LITA MARIAN, b. Berkeley, Calif., Nov. 9, 45. DEVELOPMENTAL PSYCHOLOGY. B.A., Antioch Coll., 66; M.A., Middlebury Coll., 69; Ph.D.(psychol), Stanford, 69. ASST. PROF. PSYCHOL., YALE, 70- Soc. Res. Child Develop; Ed. Res. Asn. Psychometrics. Address: Dept. of Psychology, Yale University, New Haven, Conn. 06520.
- FUREDY, DR. JOHN (JULIUS), b. Budapest, Hungary, June 30, 40; m. 66. PSYCHOLOGY OF LEARNING, PSYCHOPHYSIOLOGY. B.A., Sydnge, 63, Reserve Bank. studentship, 63-65, M.A., Ph.D.(psychol), 66. Vis. lectr. PSYCHOL., Indiana, 65-66, vis. asst. prof., 66-67; asst. prof., TORONTO, 67-69, ASSOC. PROF., 69- Res. assoc. & acting prof. dir., Off. Naval Res. Grant, Indiana, 65-67, faculty res. grant, 66-67; Nat. Res. Coun. grant, 67-70; Can. Coun. grant, 67-69. Psychonomic Soc. Soc. Psychophysiol. Ph.D. Human automatic conditioning; motivation; psychophysical measurement; experimental design. Publ: Human automatic conditioning, 67, Orienting response, 68 & Automatic measurement problems, 68, J. Exp. Psychol. Address: Dept. of Psychology, University of Toronto, Toronto 181, Ont., Can.
- FURFEE, PAUL HANLY. Sociology, Psychology. See A-K Vol, 11th ed, Soc. & Behav. Vols. New information: Also res. assoc. bur. soc. res. & res. assoc. instnl. res. & planning off., Catholic University of America, Washington, D.C. 20017.
- FURLONG, DR. WILLIAM L(EON). Political Science. See A-K Vol, 11th ed, Soc. & Behav. Vols. New position: Asst. prof., 68-, Dept. of Political Science, Utah State University, Logan, Utah 84321.
- FURST, DR. HAROLD. Business Economics. See A-K Vol, 11th ed, Soc. & Behav. Vols. New position: Regional v-pres, Bank of America NT&SA, 69. Address: 34 Arlington Ave, Berkeley, Calif. 94707.
- FURST, DR. MERRICK L(AWRENCE), b. New York, N.Y. Sept. 26, 21; m. 51; c. 2. PSYCHOLOGY. Ph.B., Northwestern, 47; M.A., Temple, 63, Ph.D.(psychol), 67. Div. res. mgr. spec. devices, Austin Co. 53-56; sr. engr. ARMA Corp. 56-58; plant mgr., Vitramon Corp., 60-61; sr. eng. specialist, Philco Corp. 61-62; mgr., Vector Corp., 62-66; ASSOC. PROF. PSYCHOL., VILLANOVA, 67- Instr., Bridgeport, 60-61; res. counselor, counseling center, Temple, 66-67; dir. res. Pa. Adv. Sch., 67- Assoc. Opers. Res. Soc. Am.; Psychol. Asn.; Ed. Res. Asn. Human learning; statistics and experimental design; underachievement; reliability; operations research; scientific management. Publ: Management insight, Fifth Annual Int. Mtg. The Inst. Mgt. Sci., 58; co-auth, Reliability insight, Second Nat. Convention Mil. Electronics, IRE, 58. Address: Dept. of Psychology, Villanova University, Villanova, Pa. 19085.
- FURST, DR. PETER, b. Cologne, Germany, May 23, 22; U.S. citizen: m. 60; c. 1. ANTHROPOLOGY. Ph.D.(anthrop), California, Los Angeles, 66. Dir., regional center Latin Am. studies in Mex, CALIFORNIA, LOS ANGELES, 65-67, RES. ANTHROPOLOGIST, ASSOC. DIR. & DIR. MEDIA SECT., LATIN AM. CENTER, 67-, RES. ASSOC. MUS. & LABS. ETHNIC ARTS & TECH., 66- Ford Found. fel. res. in Mex. & res. assoc. Los Angeles County Mus. Natural Hist., 65- vis. assoc. prof., Southern California, 67-69; prin. investr., Peace Corps Res. Proj., 69-70. Mem. cnt. overseas res. Nat. Defense Ed. Act Lang. & Area Centers, 68. U.S.A., 43-45, S/Sgt. AAAS; fel. Anthropol. Asn. Cultural anthropology, ethnology and archaeology of Mesoamerica and Latin America; pre-Columbian art of Mexico and Andes; primitive religion and shamanism; ethnographic film, culture-historical studies in western Mexico; ethnographic work with Huichol Indians. Publ: The parching of the maize, Acta Ethnologica et Linguistica, Vienna, 68; Huichol conceptions of the soul, Folklore Am., 68; The man-jaguar motif in Olmec art, In: Dumbarton Oaks Conference on the Olmec, Dumbarton Oaks, Wash. 68. Address: Latin American Center, University of California, Los Angeles, Calif. 90024.
- FURTH, ENRIQUE. Operations Research, Mathematics. See Suppl. V to 11th ed, Phys. & Biol. Vols.
- FURUMOTO, DR. LAUREL W(AISHNOR), b. Rockford, Ill., Mar. 6, 38; m. 59; c. 2. PSYCHOLOGY. A.B., Illinois, 59; U.S. Pub. Health fel. Ohio State, 60-61, M.A., 62; Nat. Insts. Health fel., Harvard, 63-66, Ph.D., 67. Prin. psychologist, alcohol res. unit, Boston State Hosp., Mass., 66-67; instr. PSYCHOL., WELLESLEY COL., 67-68, ASST. PROF., 68- Psychol. Asn. Animal

behavior; learning; operant conditioning; experimental analysis of behavior. Address: Dept. of Psychology, Wellesley College, Wellesley, Mass. 02181.

FUSE, DR. TOYOMASA, b. Sapporo City, Japan, Jan. 20, 31; m. 61; c. 2. SOCIOLOGY. M.A. California, Berkeley, 56; Ph.D. (sociol.), 61. Vis. asst. prof. SOCIOL., Antioch Col., 61-64; Carleton Col., 64-66; vis. assoc. prof., Cornell, 66-68; ASSOC. PROF., MONTREAL, 68- Vis. prof., Princeton Theol. Sem., 64-65; N.Y. Univ. summer 65; Cornell, 66-67. Am. Sociol. Assn.; Can. Sociol. Assn.; Can. Assn. E.Asian Studies; Japanese Nobility; student movement in Japan; sociology of religion and knowledge. Pub. The student, university and society in Japan. Univ. Reading, 70; Sociology of knowledge revisited, Sociol. Inquiry, summer 67. The student radicalism in Japan, Comp. Ed. Rev. Vol. XIII, No. 3. Address: 5581 Campden Place, Montreal, Que. Can.

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GAA, PROF. CHARLES J(OHN). Accounting. See A-K Vol. 11th ed. Soc. & Behav. Vols. New publ. Ed. Contemporary thought on federal income taxation, Dickinson, 69. Address: Graduate School of Business Administration, Michigan State University, East Lansing, Mich. 48823.

GABLE, PROF. WILLIAM R. b. Columbia, Miss., Oct. 14, 24; m. 49; c. 3. POLITICAL SCIENCE, PUBLIC ADMINISTRATION. B.A. & M.A. La. State, 49; Ford Found. fel., Chicago, 52, Ph.D. (polit. sci.), 53. Asst. La. State, 48; asst. prof. polit. sci., Ga. Inst. Tech., 53-56; lectur. polit. sci. & pub. admin., Michigan, 56-60; asst. prof. polit. sci., 60-63; assoc. prof., 63-67; res. asst., inst. pub. admin., 56-63; asst. dir., 63-67; PROF. POLIT. SCI. & DIR. INST. PUB. ADMIN., ARIZONA STATE, 67- Lectr., 40th anniversary founders day celebration, Nat. Chengchi Univ., summer 67. Consult. cities in Mich. & Ariz., 57; Washenaw County Planning Cmn. Res. Panel & Huron River Watershed Study Cmt., 58-67; Agency Int. Develop. consult. pub. & bus. admin. training progs., 61-63; Asst. Dir., Int. City Mgt. Assn., 63-67; Asst. Dir., Int. Ill. 67. Chmn. res. & adv. cmt. & mem. legis. training cmt., YMCA, Mich., 57-67; mem-at-large, Nat. YMCA Res. Coun., 59; exec. secy., Gov. G. Mennen Williams Metrop. Study Cmn., Mich., 59-60; chief of party, Univ. Michigan-Agency Int. Develop. Nat. Chengchi Univ. pub. admin. contract, 62-63. U.S.A., 42, Res. Li. Col. Soc. Pub. Admin. Polit. Sci. Asst. Int. City Mgt. Assn. Metropolitan growth processes; municipal government and administration; public and comparative administration, particularly as they relate to development programs. Publ. Public and business administration problems of educational change in Taiwan, Philippine J. Pub. Admin., 7/64; The metropolitan council and intergovernmental cooperation, Citizens Res. Coun. Mich., 65; Urban trends in America with some possible applications for Taiwan, Chinese J. Admin., 1/66. Address: Institute of Public Administration, Arizona State University, Tempe, Ariz. 85281.

GADE, DR. DANIEL WAYNE, b. Niagara Falls, N.Y., Sept. 28, 36; m. 65; c. 1. GEOGRAPHY. B.A., Valparaiso, 59; fel., Illinois, Urbana, 60; M.A. Wisconsin, Madison, 61; Ph.D. (Geog.), 62; Geog., Univ. Oregon, 62-63; res. asst., prof. VERMONT, 66-70; ASSOC. PROF., 70- Nat. Acad. Sci.-Nat. Res. Coun. fel. geog., Wisconsin, Madison, 67; Peace Corps res. contract, 68; Soc. Sci. Res. Coun. res. grant, 70. Am. Am. Geog. Assn. Geog. Soc. Past and present ecological relationships of primitive and folk societies particularly in Latin America; processes of plant and animal domestication; ethnobotany and ethnogeography. Publ. Achure, the edible canna, Econ. Bot., 66. The guinea pig in Andean folk culture, Geog. Rev., 67; Vanishing crops of traditional agriculture, Proc. Am. Am. Geog. 69. Address: Dept. of Geography, University of Vermont, Burlington, Vt. 05401.

GAFFNEY, PROF. MERRILL MASON. Economics. See A-K Vol. 11th ed. Soc. & Behav. Vols. New position & address: Res. assoc., 69. Resources for the Future, Inc., 1755 Massachusetts Ave. N.W., Washington, D.C. 20036.

GAJENNE, DR. L(OUIS) RENE. Psychology. See A-K Vol. 11th ed. Soc. & Behav. Vols. New position: Dir. corp. anal., Singer Co., N.Y., 67- Address: 10 Belvedere Place, Montclair, N.J. 07042.

GALLEY, DR. CHARLES ROBERT, b. Watertown, N.Y., May 22, 37; m. 58; c. 4. SOCIOLOGY, ETHNOLOGY. B.A., East Nazarene Col., 58, Th.B., 60; M.A., Boston, 59; D.Phil. (sociol.), South Africa, 68; Harvard, 70. Asst. Instr. African studies, East Nazarene Col., 59-60, asst. prof. sociol. & anthrop., 60-64, chmn. dept. sociol., 61-64; teaching & field researcher, Swaziland, Africa, 64-69; ASSOC. PROF. SOCIOL. & CHMN. DEPT., EAST NAZARENE COL., 69- Res. asst., Boston, 59-61. Sociol. Assn. Am. Sci. Association; Int. African Inst. Social stratification; African studies; sociological theories; applied anthropology. Address: 58 Cheriton Rd., Wollaston, Mass. 02170.

GAINES, PROF. JOHN F(RANKLIN). Physical Geography. See A-K Vol. 11th ed. Soc. & Behav. Vols. New position: Chmn. dept. geog., San Fernando Valley State Col., 69. Address: 10944 Lindley Ave., Granada Hills, Calif. 91344.

GAINES, DR. ROSSLYN, b. Toronto, Ont.; U.S. citizen; div. c. 2. PSYCHOLOGY. B.S., Northwestern, 49; Nat. Insts. Health fel., Chicago, 60-63, M.A., 61, Ph.D. (psychol.), 63. Intern psychol., Counseling Center, Univ. Chicago, 60-65; res. asst., univ., 62-63; teaching asst., 62, instr., 63; asst. prof., psychol., California, Los Angeles, 63-64; assoc. res. prof., Gallaudet Col., 64-66; ASSOC. RES. PSYCHOLOGIST & PROJ. DIR., INST. HUMAN DEVELOP., CALIFORNIA, BERKELEY, 66- LECTR., DEPT. ED., UNIV., 68- Co-prin. investr., U.S. Pub. Health Serv. res. grant, 63-64; prin. investr., 64-67; proj. dir., 67-70; fel. Nat. Training Labs, Maine, 66. Couns. Chicago Psychol. Inst., 51-55; consult., U.S. Off. Ed. res. grant, 66-68. Psychol. Assn.; Soc. Res. Child Develop. Perceptual differentiation skills of three age levels and three adult groups to determine relation of age and skill, color and form discrimination at different ages and the efficacy of differing types of reinforcement. Publ. Visual testing of preverbal and nonverbal young children, Am. J. Optom., 68: 442-457; Experiencing the perceptually-deprived child, J. Learn-

ing Disabilities, 2: 559-565; The discriminability of form among young children, J. Exp. Child Psychol., 8: 418-431. Address: Institute of Human Development, Toman Hall 1203, University of California, Berkeley, Calif. 94720.

GAINES, DR. WILLIAM A. b. Philadelphia, Pa. Apr. 14, 10; m. 42; c. 2. SOCIOLOGY. A.B., Pennsylvania, 32, A.M., 33, Gen. Ed. Bd. fel., 44-45, Ph.D. (sociol.), 49; Flisk, 38-39; Temple, summer 56. Instr. soc. sci., Fessenden Acad., 39-40; consult., Fla. Agr. & Mech., 41-42, dir. exten. schs., 46-48; dir. pub. rels. Fla. Mem. Col., 42-44; admin. asst., Pioneer Bus. Col., 50-52; prof. soc. sci., Claflin, 52-56; dir. res. dept. soc. sci., Del. State Col., 56-62; CHMN. DEPT. SOCIOL., ST. AUGUSTINE'S COL., 62- DIR. HUMAN RELS. CENTER, 66- Coun. Soc. Work Ed. School desegregation; race relation. Address: 2131 Master St., Philadelphia, Pa. 19121.

GAKENHEIMER, DR. RALPH ALBERT. City Planning. See A-K Vol. 11th ed. Soc. & Behav. Vols. New position & address: Vis. assoc. prof., 69- Dept. of Urban Studies & Planning, Massachusetts Institute of Technology, Room 7-333, Cambridge, Mass. 02139.

GALBRAITH, DR. GARY G. b. Duquoin, Ill., Feb. 6, 34; m. 66; c. 1. PSYCHOLOGY. B.A., Southern Illinois, 56; M.A., Ohio State, 59; Ph.D. (personality), 64. Asst. Instr. PSYCHOL., Ohio State, 63-64; ASST. PROF., PA. STATE, 64. Consult. Vet. Admin., 65- U.S.A., 58-63, Capt. AAAS; Psychol. Assn. Experimental personality research with emphasis upon learning, conflict, and motivation. Address: 1362 Penfield Rd., State College, Pa. 16801.

GALBRAITH, DR. JOHN A(LEXANDER). Economics. See A-K Vol. 11th ed. Soc. & Behav. Vols. New information: Dir. econ. res., Royal Bank of Can., 69-; assoc. prof., McGill, 67- Address: Royal Bank of Canada, P.O. Box 6001, Montreal 2, Que. Can.

GALE, DR. DIANE S. b. Baltimore, Md., Nov. 1, 42; m. 65. PSYCHOLOGY. B.A., Maryland, 64; U.S. Pub. Health Serv. fel. & M.A., Washington (St. Louis), 65; U.S. Pub. Health Serv. trainee, State Univ. N.Y. Buffalo, 66-68, Ph.D. (psychol.), 69. Psychologist, Child Guid. Clin. Wayne County Juvenile Court, Detroit, Mich., 65-66; DIR. STUDENT COUNSELING CENTER, CANISIUS COL., 69- Psychol. Assn. Effect of success and failure on information seeking behavior of individuals at extremes of the locus of control variable. Publ. Sr. auth. A comparison of reciprocal inhibition and classical extinction, Behav. Res. & Ther., 66. Address: Student Counseling Center, Canisius College, 2001 Main St., Buffalo, N.Y. 14208.

GALE, PROF. RAYMOND FLOYD. Psychology, Sociology. See A-K Vol. 11th ed. Soc. & Behav. Vols. Change of address: Dept. of Educational Psychology, Ball State University, TC 513, Muncie, Ind. 47306.

GALEF, DR. BENNETT GODFREY, JR. b. New York, N.Y., May 23, 41; m. 66. COMPARATIVE PSYCHOLOGY. A.B., Princeton, 62; univ. fel., Pennsylvania, 64-65, M.A., 64, Nat. Inst. Ment. Health fel., 65-68, Ph.D. (psychol.), 68. ASST. PROF. PSYCHOL., McMASTER, 66. Nat. Res. Coun. Can. grant, 68- AAAS; Psychol. Assn.; Animal Behav. Soc. Aggressive behavior; poison avoidance; behavior of wild rats. Publ. Aggression and timidity: responses to novelty in feral Norway rats, J. Comp. & Physiol. Psychol., 3/70. Address: Dept. of Psychology, McMaster University, Hamilton, Ont., Can.

GALLAGHER, PROF. DONALD A. J. Philosophy. See 5th ed. Dir. Am. Scholars, Vol. IV, Philos., Relig. & Law.

GALLAGHER, DR. EUGENE B. Sociology. See A-K Vol. 11th ed. Soc. & Behav. Vols. New information: Prof. behav. sci., Kentucky, 69-; vis. prof. ment. health, Univ. Bristol, 69-70. Address: Dept. of Behavioral Science, University of Kentucky, Lexington, Ky. 40506.

GALLAGHER, DR. JOHN F. Political Science, Public Administration. See A-K Vol. 11th ed. Soc. & Behav. Vols. New position: Chief gen. res., Ohio Legis. Serv. Cmn., 69- Address: 645 Nell Ave., Apt. 920, Columbus, Ohio 43215.

GALLAS, DR. NESTA MABYN, b. Herne Bay, Eng., Aug. 29, 17; U.S. citizen; m. 43; c. 4. PUBLIC ADMINISTRATION, ORGANIZATIONAL PSYCHOLOGY. B.A., California, Los Angeles, 38; M.S., Southern California, 51, M.P.A., 65, D.P.A., 67. Tech. positions, Los Angeles County Civil Serv. Cmn., 38-42; personnel & admin. analyst, Los Angeles City Bd. Ed., 42-48; personnel recruiting exec., Territory of Hawaii, 48-49; personnel exec. 51-53; lectur., Univ. Hawaii, 49-51; personnel dir., City & County of Honolulu, 53-58; lectur., Univ. Southern California, 59-61, 64-65; asst. prof. pub. admin., 61-64; Pub. admin. fel., 67-68; ASSOC. PROF. PUB. ADMIN., STATE COL. CITY UNIV. NEW YORK, 68. Coordinator, fed. mid. mgmt. inst., Southern California, 63-66; lectr., N.Y. Univ., 66-68. Consult. Res. Assocs. Inc., 47-61; faculty consult. Int. Pub. Admin. Center, Univ. Southern California, 60-66. Soc. Personnel Admin. Soc. Pub. Admin. Impact of behavioral science research on administrative practices. Publ. Co-auth. An inventory and classification of cases for use in public administration, Univ. Southern Calif., 60; auth., Personnel selection. In: A fresh appraisal of basic personnel functions, 65 & Toward a theory of selection. In: Recruitment and selection in the public service, 68, Pub. Personnel Assn.; plus others. Address: 157 E. 82nd St., New York, N.Y. 10028.

GALLATIN, DR. JUDITH E. b. Grand Rapids, Mich., Feb. 15, 42. PSYCHOLOGY. B.A., Michigan, 62, M.A., 63, Ph.D. (psychol.), 67. Lectr. PSYCHOL., EASTERN MICHIGAN, 67-68, ASST. PROF., 68- Psychol. Assn.; Soc. Res. Child Develop. Political behavior; adolescent psychology; creativity; psychopathology. Publ. Objectively unorganized, Contemporary Psychol., 87; co-auth. Individual rights and the public good, Comp. Polit. Studies, (in press). Address: Dept. of Psychology, Eastern Michigan University, Ypsilanti, Mich. 48197.

GALLUP, DR. GORDON GRAHAM, JR. b. Denver, Colo., Mar. 24, 41; m. 69. PSYCHOLOGY. B.S., Washington State, 63, M.S., 66, summer Nat. Sci. Found. fel., 66, Ph.D. (psychol.), 68. Intern comp. psychol., 657at AeroMed Lab.

- Holloman Air Force Base, Baylor Univ. 63-64; instr. PSYCHOL, Washington State, 67-68; ASST. PROF. TULANE, 68-. Vis. scientist, Delta Regional Primate Res. Center, summer 69. AAAS; Psychol. Asn; Animal Behav. Soc; Psychonomic Soc. Animal learning and social behavior; motivation; primatology; verbal learning. Publ: Mirror-image stimulation, Psychol. Bull. 68; Activity as a postulation measure of frustrative nonreward, J. Comp. & Physiol. Psychol. 69; Chimpanzees: self-orientation, Science, 70. Address: Dept. of Psychology, Tulane University, New Orleans, La. 70118.
- GAL-OR, DR. BENJAMIN.** Chemical & Aeronautical Engineering. See Suppl. V to 11th ed, Phys. & Biol. Vols.
- GALVIN, DR. DONALD W.** Political Science, International Relations. See A-K Vol, 11th ed, Soc. & Behav. Vols. New information: Ph.D.(polit. sci), Colorado, 69. Address: Route 1, Box 209, Woodman Valley, Colorado Springs, Colo. 80907.
- GAMBLIN, DR. FRANCIS CLIFFORD.** Psychology. See A-K Vol, 11th ed, Soc. & Behav. Vols. New position: Exec. dir. Cent. States Col. Asn, 69- Address: 2359 29th St, Rock Island, Ill. 61201.
- GAMEZ, DR. KAY B.** b. Montgomery, Ala. Aug. 3, 43; m. 66. SOCIAL PSYCHOLOGY, B.A., Texas, Austin, 65; Nat. Defense Ed. Act fel. & Ph.D., 70. ASST. PROF. PSYCHOL. CALIF. STATE COL. LONG BEACH, 69-. Group dynamics, particularly T-groups; altered states of consciousness. Address: Dept. of Psychology, California State College at Long Beach, Long Beach, Calif. 90804.
- GAMLIN, DR. PETER J.** b. Toronto, Ont. Apr. 5, 41; m. 66. PSYCHOLOGY, CHILD DEVELOPMENT. B.A., Western Ontario, 64; M.A., 65; Ph.D.(child develop), Cornell, 68. ASST. PROF. CHILD DEVELOP. INST. CHILD STUDY, UNIV. TORONTO, 68-; ASST. PROF. APPL. PSYCHOL., ONT. INST. STUDIES ED, 70-. Nat. Res. Coun. Can. res. grant, 68-71; Ont. Ment. Health Found. res. grant, 69-71. Am. Psychol. Asn; Can. Psychol. Asn. Child development; cognitive development; psychology of language. Publ: Co-auth. The validity of the probe-latency technique for assessing structure in language, 67 & auth. Sentence processing as a function of syntax, short term memory capacity, the meaningfulness of the stimulus and age, (in press), Lang. & Speech; The interaction of meaning and syntax in sentence comprehension, Child Study, 68. Address: Institute of Child Study, University of Toronto, Toronto 4, Ont. Can.
- GAMPPER, SISTER MADONNA, O.S.B.** b. Hiawatha, Kans. May 7, 30. PSYCHOLOGY, EDUCATION. A.B. Mt. St. Scholastica Col, 52; Ph.D.(ed. psychol, counseling), St. Louis, 63. Biochem. res. asst., Univ. Kans. Med. Center, 52-53; teacher high sch, Kans. Colo. Neb., Iowa, 54-59; MEM. FACULTY & COUNSELOR, MT. ST. SCHOLASTICA COL, 62-. PROF. PSYCHOL. & CHMN. DEPT, ATCHISON COLS, 69-. COORDINATOR COUNSELING SERV, 68-. Jr. col. teacher, Kans. State Penitentiary, 68-; summers, Catholic Univ, 65; Nat. Sci. Found. fel, Michigan, 67. Psychol. Asn. Educational and adolescent psychology; counseling. Address: Dept. of Psychology, Mt. St. Scholastica College, Atchison, Kans. 66002.
- GAN, DR. JOSE C(AJILIG).** Biochemistry. See Suppl. V to 11th ed, Phys. & Biol. Vols.
- GANS, DR. HERBERT J.** Sociology. See A-K Vol, 11th ed, Soc. & Behav. Vols. New position & address: Prof. sociol. & planning & faculty assoc, 69-. Joint Center for Urban Studies, Massachusetts Institute of Technology, 66 Church St, Cambridge, Mass. 02138.
- GANTZ, DR. BENJAMIN S., JR.** Psychology. See A-K Vol, 11th ed, Soc. & Behav. Vols. Change of address: Smith Richardson Foundation, Greensboro, N.C. 27420.
- GANZER, DR. VICTOR JAMES, b.** Spokane, Wash. Jan. 12, 38; m. 64; c. 1. PSYCHOLOGY. B.S., Washington (Seattle), 59; M.S., 64, Ph.D.(psychol), 66. Assoc. field assessment officer, Peace Corps Training Progs, WASHINGTON (SEATTLE), 66; RES. ASST. PROF. PSYCHOL., 66-. ASST. DIR. JUVENILE OFFENDER REHAB. PROJ, CASCADIA JUVENILE RECEPTION-DIAG. CENTER, TACOMA, 66-. Consult, Vet. Admin, 68-; mem. Nat. Coun. Crime & Delinquency, 67-. Psychol. Asn. Experimental personality and clinical psychology; behavior modification; crime and delinquency; assessment. Publ: The effects of audience presence and test anxiety on learning and retention in a serial learning situation, J. Personality & Soc. Psychol., 8: 194-199; co-auth. Concerning the medical model, Am. Psychologist, 23: 507-510 & Social influence techniques in clinical and community psychology, In: Current topics in clinical and community psychology, Acad. Press, 69. Address: Dept. of Psychology, University of Washington, Seattle, Wash. 98105.
- GARAI, DR. JOSEF E(RNEST).** Psychology, Sociology. See A-K Vol, 11th ed, Soc. & Behav. Vols. New position: Prof. psychol, Pratt Inst, 68-; dir. art therapy training, 69-. Address: 155 W. 68th St, Apt. 1505, New York, N.Y. 10023.
- GARBIN, DR. ALBENO PATRICK.** Sociology. See A-K Vol, 11th ed, Soc. & Behav. Vols. New position & address: Prof, 68-, Dept. of Sociology, University of Georgia, Athens, Ga. 30601.
- GARCEAU, DR. OLIVER.** Political Science. See A-K Vol, 11th ed, Soc. & Behav. Vols. New information: Independent res. consult, 69-. Address: P.O. Box 8, Sedgwick, Maine 04876.
- GARCIA, PROF. F(ERDINAND) L(AWRENCE).** Economics. See A-K Vol, 11th ed, Soc. & Behav. Vols. New information: Also chmn. dept. finance, col. of bus. admin, Fordham, 69-. Address: Thornycroft, Garth Rd, Scarsdale, N.Y. 10583.
- GARCIA, DR. JOHN.** Psychology. See A-K Vol, 11th ed, Soc. & Behav. Vols. New position & address: Prof, 68-, Dept. of Psychology, State University of New York at Stony Brook, Stony Brook, N.Y. 11790.
- GARDEZI, DR. HASSAN NAWAZ.** Sociology. See A-K Vol, 11th ed, Soc. & Behav. Vols. New position & address: Assoc. prof, 68-, Dept. of Sociology, University of Saskatchewan, Saskatoon, Sask. Can.
- GARDNER, DR. BRUCE LYNN, b.** Woodstock, Ill. Aug. 31, 42; m. 64. ECONOMICS. B.S., Illinois, 64; Ph.D.(econ), Chicago, 68. ASST. PROF. ECON, N. C. STATE, 68-. Econ. Asn; Agr. Econ. Asn. Rural income distribution; off-farm migration; economics of rural fertility. Publ: Determinants of U.S. farm income inequality, Am. J. Agr. Econ, 11/69. Address: Dept. of Economics, North Carolina State University, Raleigh, N.C. 27602.
- GARDNER, DR. DAVID MORGAN.** Business Administration. See A-K Vol, 11th ed, Soc. & Behav. Vols. Change of address: Dept. of Business Administration, University of Illinois College of Commerce, Urbana, Ill. 61801.
- GARDNER, DR. ELMER A.** Psychiatry. See A-K Vol, 11th ed, Soc. & Behav. Vols. New position: Prof. psychiatrist, 69-, Community Mental Health Center, Temple University, 1531 Tioga St, Philadelphia, Pa. 19140.
- GARDNER, PROF. GEORGE HENRY.** Sociology, Cultural Anthropology. See A-K Vol, 11th ed, Soc. & Behav. Vols. New position: Prof. & chmn, 69-, Dept. of Sociology, Alfred University, Alfred, N.Y. 14802.
- GARDNER, DR. MARY A.** Journalism, Political Science. See 5th ed, Dir. Am. Scholars, Vol. I, Hist.
- GARDNER, PROF. RICHARD NEWTON.** Law, Economics. See A-K Vol, 11th ed, Soc. & Behav. Vols. New information: U.S. mem. exec. bd, UN Inst. Training & Res, 69-. New publ: Co-auth. The global partnership, Praeger, 69. Address: School of Law, Columbia University, 435 N. 116th St, New York, N.Y. 10027.
- GARDNER, RONALD M(ACGREGOR).** Statistics, Business Management. See A-K Vol, 11th ed, Soc. & Behav. Vols. Change of address: Bureau of Federal Credit Unions, Dept. of Health, Education & Welfare, Washington, D.C. 20201.
- GARFIELD, DR. JOHN CLEMENT, b.** Ames, Iowa, Aug. 13, 30; m. 58; c. 2. CLINICAL PSYCHOLOGY. B.S., Iowa State, 51; Harvard, 53-54; M.A., Iowa, 57; Ph.D.(clin. psychol), 63. Psychologist, Iowa State Dept. Soc. Welfare, 57-59; State Serv. Crippled Children, Univ. Iowa, 59-60; dir. psychol. serv, 60-66; asst. dir. 66; assoc. res. psychologist, neuropsychology center, 63-66; lectr. psychol, Univ. 67-69; ASSOC. PROF. PSYCHIAT, MED. CENTER, OKLAHOMA, 70-. Consult, Iowa Ment. Health Inst. Mt. Pleasant & Iowa State Reformatory, Anamosa, 67-69; Iowa Security Med. Facility, Oakdale, 69. U.S.A.F., 51-52. Psychol. Asn; Orthopsychiat. Asn. Clinical psychoneurology; psychopathology; community psychology; clinical child psychology. Publ: Motor impersistence in normal and brain-damaged children, Neurology, 14: 623-630; co-auth. Motor impersistence in mental defectives, Proc. Int. Cong. Sci. Study Ment. Retardation, 64 & Motor impersistence in brain-damaged and cultural-familial defectives, J. Nervous & Ment. Disease, 142: 434. Address: Dept. of Psychiatry, University of Oklahoma Medical Center, Oklahoma City, Okla. 73104.
- GARFIELD, PROF. SOL L(OUIS).** Psychology. See A-K Vol, 11th ed, Soc. & Behav. Vols. New position & address: Prof. psychol. & dir. clin. psychol. prog, 70-, Dept. of Psychology, Washington University, St. Louis, Mo. 63130.
- GARFIELD, PROF. VIOLA E(DMUNDSON).** Ethnology. See A-K Vol, 11th ed, Soc. & Behav. Vols. New position: Prof, 69-, Dept. of Anthropology, University of Washington, Seattle, Wash. 98105.
- GARFINKEL, DR. ROBERT S(HAUN), b.** Brooklyn, N.Y. Feb. 7, 39; m. 62; c. 2. OPERATIONS RESEARCH. B.S., Brooklyn Col., Ph.D.(opera. res.), Hopkins, 68. Computer programmer, Hudson Labs, N.Y. 60-63; sys. analyst, Gen. Elec. Co., N.Y., 63; Wiesbaden, W.Germany, 63-64; Philco Corp. Wuerzburg, W.Germany, 64-65; ASST. PROF. OPERS. RES, ROCHESTER, 68-. Inst. Mgt. Sci; Opers. Res. Asn. Political districting: integer programming. Publ: Co-auth. The set partitioning problem: set covering with equality constraints, Opers. Res, 10/69 & Political districting by implicit enumeration techniques, Mgt. Sci, 4/70. Address: Dept. of Operations Research, University of Rochester, Rochester, N.Y. 14627.
- GARGIULO, GRANVILLE (ROGERS).** Statistics. See A-K Vol, 11th ed, Soc. & Behav. Vols. New position: Prin. & dir. opers. res, Arthur Andersen & Co, 1345 Avenue of Americas, New York, N.Y. 10019.
- GARMIZE, DR. LEWIS M(ELVIN).** Clinical Psychology. See A-K Vol, 11th ed, Soc. & Behav. Vols. New position & address: Consult. community ment. health, 68-. Dept. of Mental Hygiene, 301 W. Preston St, Baltimore, Md. 21201.
- GARRETSON, PROF. ALBERT HENRY.** International Law. See 5th ed, Dir. of Am. Scholars, Vol. IV, Philos. Relig. & Law.
- GARRETT, DR. RICHARD E.** Mechanical Engineering. See Suppl. V to 11th ed, Phys. & Biol. Vols.
- GARRETT, PROF. RUTH COFFMAN, b.** Marietta, Ohio, July 18, 23; m. 55; c. 3. SPEECH PATHOLOGY. B.S. in Ed, Ohio, 45; M.A., 46, Ph.D. 68. Instr. speech path, Alabama, 46-52; asst. prof. SPEECH, 52-53; MARSHALL, 53-69, PROF, 69. Speech & Hearing Asn. Publ: Co-auth. Group therapy with preschool children having cerebral palsy, In: Vol. III, Special education for the exceptional, Porter Sargent, 56. Address: Dept. of Speech, Marshall University, Huntington, W.Va. 25701.
- GARRICK, DR. A(URELIO) LELAND, b.** Iloilo City, Philippines, July 31, 29; U.S. citizen; m. 56; c. 2. OPERATIONS RESEARCH, ENGINEERING. B.S., Mapua Inst. 51; B.S., St. Thomas, 53; M.S., Feati Univ., Philippines, 55; M.A., Carnegie-Mellon Univ, 57; Ph.D.(bus. admin), Southern California, 69. Sales mgr, Indent dept, Amon Trading Corp, 47-55; asst. to pres. res. & develop, Aerojet Gen. Corp, 56-60; dept. mgr. planning & control, 60-62; asst. to

v. pres. plant mgr, 62-63, prin. eng. mgt. control, 64-65; MEM. ADMIN. STAFF, HUGHES AIRCRAFT CO, 69- Instr. ops. res. California, 61-63, lectr. Sacramento State Col, 63-65. Ops. Res. Soc. Am; Inst. Mgt. Sci. Speculative trading of mutual fund shares; quantitative analysis; mechanical and electrical engineering. Address: 8201 W. Manchester Ave, Playa del Rey, Calif. 90291.

GARRISON, PROF. KARL C(LAUDIS). Educational Psychology. See A-K Vol, 11th ed, Soc. & Behav. Vols. Change of address: 1300 Reece Rd, Apt. 417, Charlotte, N.C. 28209.

GARRISON, COMDR. LLOYD WILLIAM, U.S.N.(RET), b. San Francisco, Calif. May 20, 17; m. 45; c. 2. INTERNATIONAL RELATIONS, AMERICAN GOVERNMENT. B.A. Santa Barbara State Col, 41; U.S. Air Force Air Command & Gen. Staff Col, 54-55; George Washington, 60-61; M.A., Hawaii, 65. U.S. Navy, 41-67, asst. prof. naval sci, Rice, 55-57, chmn. ops. cmr, U.S. Naval Acad, 59-61, instr. pub. admin, Hawaii, 64-65, asst. prof. polit. sci, U.S. Naval Postgrad. Sch, 65-67; ED. AM. BIBLIOG. CENTER-CLIO PRESS, 67- Polit. Sci. Assn; Acad. Polit. & Soc. Sci. Military strategy; national security; conflict management. Publ: Ed. Current readings in military doctrine and strategy, Naval Inst, 61; ed. American politics and elections, Clio, 69; auth, Automation and published materials for research, Libri, 7/69. Address: 117 Palm Tree Lane, Santa Barbara, Calif. 93103.

GARRISON, PROF. WILLIAM L(OUIS). Geography. See A-K Vol, 11th ed, Soc. & Behav. Vols. New position & address: Edward R. Weidman prof. environ. eng, 69- School of Engineering, University of Pittsburgh, 415 Engineering Hall, Pittsburgh, Pa. 15213.

GARRON, DR. DAVID C(HARLES), b. New York, N.Y. June 25, 31; m. 53; c. 3. PSYCHOLOGY. B.A., Brooklyn Col, 52, fel. 54-55, M.A., 55; U.S. Pub. Health Serv. ell, Ill. Neuropsychiat. Inst, 58-59; Ph.D.(human develop), Chicago, 62. Lectr. human develop, Chicago, 57-58; instr. PSYCHOL, COL. MED. ILLINOIS, 58-63, asst. prof. 63-69, ASSOC. PROF. 69-, SR. PSYCHOLOGIST, PRESBYT. ST. LUKE'S HOSP, 67-, asst. psychologist, 59-63, assoc. psychologist, 63-67. U.S.A., 52-54. Psychol. Assn; Int. Neuropsychol. Soc. The effect of lesions of the brain on intelligence and perception and of chromosomal abnormalities on intelligence and perception; thought disorders in schizophrenia. Publ: Co-auth, Stimulus rotation and visual scanning in subjects with copying disability. Perceptual & Motor Skills, 67 & Personality and intelligence in Turner's syndrome: a critical review, Arch. Gen. Psychiat, 69; auth, Sex-linked, recessive inheritance of spatial and numerical abilities, and Turner's syndrome, Psychol. Rev, 70. Address: Section of Psychology, Presbyterian-St. Luke's Hospital, 1753 W. Congress Pkwy, Chicago, Ill. 60612.

GARRY, PROF. RALPH. Educational Psychology. See A-K Vol, 11th ed, Soc. & Behav. Vols. New position & address: Prof. & chmn, 69-, Ontario Institute for Studies in Education, 252 Bloor St. W, Toronto 5, Ont, Can.

GARSIDE, DR. JAYNE GILLETTE. Psychology, Counseling. See A-K Vol, 11th ed, Soc. & Behav. Vols. New information: On sabbatical leave to Japan & S.Pac, 70-71. Address: Dept. of Psychology, Church College of Hawaii, Laie, Oahu, Hawaii 96762.

GARTNER, DR. JOSEPH. Economics, Psychology. See A-K Vol, 11th ed, Soc. & Behav. Vols. Change of address: 66 Summit Ave, Brookline, Mass. 02146.

GARTNER, DR. LLOYD P(HILIP). History. See 5th ed, Dir. Am. Scholars, Vol. 1, Hist.

GARVIN, PROF. CLARENCE ALEXANDER, b. Clarksville, Tenn, Sept. 1, 21. ECONOMICS. B.A. Tennessee, 42; M.A., Chicago, 48; Vanderbilt, 62-65. Teaching assist. ECON. TENNESSEE, 65-69; ASSOC. PROF. INDIANA UNIV. PA, 69- U.S.N.R. 42-46, Lt. Economet. Soc. Special areas of monetary theory leading to econometric testing of results. Address: 141 Dolores Circle, No. 16, Indiana, Pa. 15701.

GARVIN, DR. WILFRED J(AMES). Economics. See A-K Vol, 11th ed, Soc. & Behav. Vols. New position: Asst. adminstr. planning res. & anal. Small Bus. Admin, 67- Address: 3409 Radnor Place, Falls Church, Va. 22042.

GASPER, DR. LOUIS. Sociology. See A-K Vol, 11th ed, Soc. & Behav. Vols. New information: M.Div. Winebrenner Theol. Sem, 68. Assoc. prof. social & chmn. dept. philos. & social, Los Angeles Pierce Col, 67- Address: 2908 Wynwood Lane, Los Angeles, Calif. 90023.

GASSNER, PROF. JULIUS S(TEPHEN). Politics, History. See A-K Vol, 11th ed, Soc. & Behav. Vols. New publ: Voyages and adventures of La Pénouse, Univ. Hawaii. Address: Dept. of Political Science, University of Albuquerque, Albuquerque, N.Mex. 87120.

GASSNER, DR. SUZANNE MARIE, b. New York, N.Y. Aug. 13, 42. CLINICAL PSYCHOLOGY. B.A. City Col. New York, 63; U.S. Pub. Health Serv. fcls, Syracuse, 63-64, 65-66, M.S., 66, Ph.D.(psychol), 68. ASST. PROF. PSYCHOL, MASSACHUSETTS, BOSTON, 67- Staff psychologist, part-time, Douglas Thon Clin. for Children, 68- Psychol. Assn. Research in psychotherapy and group dynamics. Publ: The use of planted patients in group psychotherapy, Am. J. Psychother, 21: 767-774; Conflict and dominance patterns in parents of neurotic versus parents of normal children, J. Abnorm. Psychol, 74: 33-41. The relationship between patient-therapist compatibility and treatment effectiveness, J. Clin. & Counseling Psychol, (in press). Address: Dept. of Psychology, University of Massachusetts, 330 Stuart St, Boston, Mass. 02116.

GASTIL, DR. RAYMOND D(UNCAN). Social Science, Anthropology. See A-K Vol, 11th ed, Soc. & Behav. Vols. New position: Res. Battelle Seattle Research Center, 69- Address: 2904 98th Ave, N.E., Bellevue, Wash. 98008.

GASTON, T(HOMAS) L(EE), JR. Agricultural Economics. See A-K Vol, 11th ed, Soc. & Behav. Vols. Change of address: 510 S. Chestnut St, Gainesville, Tex. 76240.

GATEHOUSE, DR. R. WAYNE, b. Galt, Ont, May 15, 39; m. 64; c. 1. PSYCHOLOGY. B.A., Western Ontario, 62, M.A., 65; Ph.D.(psychol), State Univ. N.Y. Albany, 69. Psychometrist, Ont. Hosp. London, 64-65; lectr. PSYCHOL, GUELPH, 68-70, ASST. PROF, 70- Consult, Homewood Sanatorium, Guelph, Ont, 68- Acoustical Soc. Am. Physiological correlates of emotion and aging peripheral and central nervous system correlates of auditory localization; general comparative psychology. Address: Dept. of Psychology, University of Guelph, Guelph, Ont, Can.

GATES, DR. DONALD D(ODDINO), b. New Orleans, La, July 2, 33; m. 58; c. 2. PSYCHOLOGY. B.S. Southern Mississippi, 60, M.S., 61, Ph.D.(psychol), 66. ASSOC. PROF. PSYCHOL, NORTHWEST. STATE COL.(LA), 64- Consult, Marksville Parish Sch. Bd, 68; summer, psychol. consult, Inst. Adv. Study Indust. Arts, 68; U.S.A., 54-56, Sgt. Psychol. Assn. Comparative behavior; learning theory; test and measurements; physiological psychology. Address: Dept. of Psychology, Northwestern State College of Louisiana, Natchitoches, La. 71457.

GATES, DR. JOHN JOSEPH, b. Brooklyn, N.Y. Aug. 1, 40; m. 63; c. 2. PSYCHOLOGY. B.A., Manhattan Col, 62; M.S., Fla. State, 64, Ph.D.(psychol), 66. Res. fel, bur. child res. Kansas, 66-67; asst. prof. PSYCHOL, Queens Col.(N.Y.), 67-69; CLIN. DIR, CENT. STATE HOSP, 69- Adj. asst. prof., Pace Col, 67-68. A.A.A.S; Psychol. Assn. Clinical psychology; applied behavior analysis of normal and abnormal human behavior; experimental analysis of behavior in mental retardation. Publ: Co-auth, Response variability in retarded children, J. Exp. Child Psychol, 68; auth, Behavioral self analysis and the teaching of personal adjustment: a preliminary report, Soc. Am. Psychol. Assn. Convention, 69. Address: Dept. of Psychology, Central State Hospital, Milledgeville, Ga. 31061.

GATTY, DR. RONALD. Marketing, Statistics. See A-K Vol, 11th ed, Soc. & Behav. Vols. New information: Pres. Ronald Gatty Res. Inc. 68- Address: Baruch Graduate Center, City University of New York, 257 Park Ave. S, New York, N.Y. 10010.

GAUNTLETT, PROF. JOHN H(ENRY). Political Science. See A-K Vol, 11th ed, Soc. & Behav. Vols. Change of address: 3435 Meadowdale, Apt. G, Richmond, Va. 23234.

GAUPP, DR. PETER G, b. Berlin, Germany, June 16, 28; U.S. citizen; m. c. 2. SOCIOLOGY, PUBLIC HEALTH. A-B, Southwestern (Tex), 50, M.S.S.W., Texas, Austin, 54; Tex. Wesleyan Col, 58-59; Lilly Found. fel, Pittsburgh, 62-63 adv. cert. community welfare planning, 63, Nat. Inst. Ment. Health fel, 63-64, Ph.D.(soc. work res. pub. health), 68. Recreation worker, Methodist Home for Children, Waco, Tex. 50; recreational therapist, Brown Schs., Austin, 51; sr. child welfare worker, Tex. State Dept. Pub. Welfare, Jefferson County, 52-54; asst. soc. worker, U.S. Pub. Health Serv. Hosp., Ft. Worth, 54-59; dir. health planning, Coun. Soc. Agencies, Dallas, 59-62; teaching asst., Pittsburgh, 63; exec. dir. Timberlawn Found., Dallas, 64-66; dir. health planning, Community Coun. Greater Dallas, 65-68; ASSOC. PROF. COMMUNITY PLANNING & RES. & CHMN. COMMUNITY PRACTICE SEQUENCE, SCH. SOC. WORK, TEXAS, ARLINGTON, 68- Lectr. southwest med sch, Texas, 59- Southern Methodist, North Texas State, Texas Woman's Univ. & Texas, Arlington, 59-; dir. Dallas County Inter-Agency Proj, 60-61; proj. dir. health sect, Dallas County Youth Study, 62; nationwide soc. work res. manpower study, Univ. Pittsburgh, 63-68; acting prof. dir. N.Tex. Planning Coun. Hosps. & Related Health Facilities, 66-68; lectr. inst. mgt. & eval. volunteer progs. Southern Methodist, 69. Psychiat. soc. worker consult, State Dept. Health, Tex, 62; prog. consult, nursing ed. proj, Terrell State Hosp, 64-65; planning consult, Dallas Coun. Ment. Health & Ment. Retardation Center, 65-67; res. consult, Community Coun. Greater Dallas, 68-70; planning consult, Dallas Hosp. Coun. & Dallas Dent. Health Prog, 70. Mem. planning cmt, casework sect., Nat. Conf. Soc. Welfare, 67-70, discussion leader, 70; mem. newsletter cmt, Conf. Community Health Planning, 68; Presidential Cmn, Nat. Adv. Cmn. Health Facilities, 68; Tex. State Cmt. Pub. Ed. Fel. Am. Pub. Health Assn; Nat. Assn. Soc. Workers; Am. Assn. Soc. Workers; Acad. Cert. Soc. Workers; Acad. Relig. & Ment. Health; Coun. Soc. Work Ed; Nat. Rehab. Assn. Professional manpower theory and strategies; consultation theory; community service systems planning and research; behavioral aspects of planning theory; representation and participation theory; health planning. Publ: Implementing the Dallas County youth study, Proc. South. Regional Int. Childbirth Ed. Assn, 3/65; Authority, influence and control in consultation, Community Ment. Health J, fall 66; Community organization and the public interest, Proc. Symposium Tex. Assn. Soc. Workers Coun, 11/66 & Community Ment. Health J, 69. Address: Graduate School of Social Work, University of Texas at Arlington, Arlington, Tex. 76010.

GAUS, PROF. JOHN M(ERRIMAN). Political Science. See 11th ed, Soc. & Behav. Vols. deceased 69.

GAUTAM, DR. SUDHAKAR, b. Morena, India, Oct. 15, 41; m. 63; c. 1. ECO-NOMICS. B.A., Vikram Univ., India, 59, M.A., 62, Ph.D.(econ), 66. Lectr. econ, Vikram Univ., India, 62-65; asst. prof., Jiwaji Univ., 65-67; ASSOC. PROF. ECON. & BUS. ADMIN, METHODIST COL, 68- Assn. Evolutionary Econ; Am. Econ. Assn, Indian Soc. Agr. Econ. Economics system; economic development and planning in the developing countries; public policy; water resources development; economic evolution of public expenditure. Publ: Principles and problems of Indian transportations, Ganga Prasad & Sons, Agra, India, 64 & 67; Some studies under the shadow of emergency, Kalas Pustak Sadan, Gwalior, 67. Address: Dept. of Economics, Methodist College, Fayetteville, N.C. 28301.

GAVIN, DR. JEANINE. Social Psychology. See A-K Vol, 11th ed, Soc. & Behav. Vols. Change of address: 2424 Dempster, Des Plaines, Ill. 60016.

- GEARING, PROF. FREDERICK O(SMOND). Anthropology. See A-K Vol. 11th ed, Soc. & Behav. Vols. New position & address: Prof. 69, Dept. of Anthropology, State University of New York at Buffalo, 4242 Ridge Lea Rd, Amherst, N.Y. 14226.
- GEICAS, DR. VIKTOR, b. Taurage, Lithuania, Mar. 1, 42; U.S. citizen; m. 65. SOCIOLOGY. B.A. Beloit Col., 64; Nat. Inst. Ment. Health fel, Minnesota, 64-67; M.A., 67, Woodrow Wilson fel, 68, Ph.D.(sociol), 69. ASST. PROF. SOCIOL, Wis. State, River Falls, 68-69; WASHINGTON STATE, 69. Res. grant, Nat. Sci. Found., 69-70. Sociol. Soc. Nat. Coun. Family Rel. Portrayal of aggression in popular magazine fiction; family interaction and the development of self-conception and self-esteem in the child; poverty and socialization. Publ: Co-auth, Perceived parent-child interaction and boys' self-esteem in two cultures, Int. J. Comp. Sociol., 8/70. Address: Dept. of Sociology, Washington State University, Pullman, Wash. 99163.
- GEER, DR. WILLIAM JAMES, b. Willow Lake Twp, Minn, Sept. 3, 36; m. 62; c. 3. SOCIOLOGY. B.F.A. Minneapolis Sch. Art, 62, Carle fel, 63-65; B.A., Minnesota, 65, M.A., 67, Ph.D.(sociol), 69. Staff photographer, Visual Arts Res. Center, 61-67; creative dir, Bolger Pub, 62-63; art dir, Legon Develop. Serv, 63-64; asst. sociol, Univ. Minnesota, 65-68, coordinator teaching asst., sociol, 68-69; ASST. PROF. SOCIOL. & ANTHROP. COL. ST. CATH. ERNE, 69. U.S.M.C. 54-57. Sociology of art, especially the artist as a member of a formal organization. Address: Route 1, Box 184, Osseo, Minn. 55369.
- GEERTZ, PROF. CLIFFORD. Anthropology. See A-K Vol. 11th ed, Soc. & Behav. Vols. New position & address: Prof. soc. sci, 70-, Institute for Advanced Study, Princeton, N.J. 08540.
- GEHLEN, DR. FRIEDA L, b. Bad Axe, Mich, Sept. 14, 37; m. 67; c. 1. SOCIOLOGY. B.S. Evangel Col., 59; M.A. Mich. State, 61, Himman fel, 61-62, Nat. Sci. Found. fel, 63-64, Ph.D.(sociol), 67. Teacher, high sch, Ohio, 59-60; instr. SOCIOL, Evangel Col., 65; Purdue, 65-67; vis. asst. prof, San Francisco State Col., 67-68; ASST. PROF. PURDUE, 68-69. Sociol. Asm; Polit. Sci. Asn. Political sociology and sociology of education. Publ: The political aspects of small town and rural schools, Ed. Resources Info. Center, New Mexico State, 69; co-auth, Correlates of legislative behavior: Michigan House of Representatives, Midwest J. Polit. Sci., 11/62; auth, Women in Congress, Transaction, 10/69. Address: Dept. of Sociology, Purdue University, Lafayette, Ind. 47907.
- GEIS, DR. FLORENCE L, b. Oakland, Calif, Apr. 3, 33; div. SOCIAL PSYCHOLOGY. A.B. Arizona, 56; Nat. Sci. Found. fel, Columbia, 63, Ph.D.(soc. psychol), 64. ASST. PROF. PSYCHOL, N.Y. Univ., 64-67; DELAWARE, 67-69. Nat. Sci. Found. grant, 65-67. Asn. Insts. Res. creative talent award, 65. AAAS: Psychol. Asn. Interpersonal relations and manipulation; Machiavellianism. Publ: Co-auth, Studies in Machiavellianism, N.Y. Acad. Press, 70. Address: Dept. of Psychology, University of Delaware, Newark, Del. 19711.
- GEISER, DR. PETER, b. Waynesboro, Pa, Feb. 24, 10; m. 59; c. 1. SOCIOLOGY. A.B. Pittsburgh, 34; M.S.W. Southern California, 48, Ph.D.(sociol), 60. Asst. dir. Los Angeles Travelers Aid Soc, 48-50; asst. chief soc. worker, Out-Patient Clin, U.S. Vet. Admin, 50-54; dist. rep, Calif. State Dept. Soc. Welfare, 54-58; assoc. prof. sociol, San Fernando Valley State Col., 58-63; chmn. dept. sociol, CALIF. STATE COL, HAYWARD, 63-67, ACTING HEAD DIV. SOC. & BEHAV. SCI, 67-. Asst. prof, Los Angeles State Col., 50-58; vis. prof, American Univ. Cairo, 61-62; res. assoc, 63-64; vis. prof, Hokkaido, 68; Fulbright res. fel, Ankara, Turkey, 68-69, U.S.N., 44-45. Sociol. Asn; Soc. Appl. Anthropol. Migration; urbanization. Publ: Some impressions concerning the nature and extent of stabilization and urbanization in Nubian society, In: Harlex Series, Yale, 67; co-auth, Decision-making processes in the professional association, Soc. Work, 7/62; auth, Some differential factors in population movement: the Nubian case, Human Orgn, fall 67. Address: California State College at Hayward, Hayward, Calif. 94542.
- GEISMAR, PROF. LUDWIG L(EO). Sociology. See A-K Vol. 11th ed, Soc. & Behav. Vols. New position: Preventive intervention in social work, Scarecrow, 69. Address: Graduate School of Social Work, Rutgers, The State University, New Brunswick, N.J. 08903.
- GEIST, DR. VALERIUS. Zoology, Ethology. See Suppl. VI to 11th ed, Phys. & Biol. Vols.
- GEIWITZ, DR. P(ETER) JAMES. Psychology. See A-K Vol. 11th ed, Soc. & Behav. Vols. New information: Independent writer & consultant, 69. New publ: NonFreudian personality theories, Brooks/Cole, 69. Address: 749 Corbett Ave, Apt. 3, San Francisco, Calif. 94131.
- GEKOSKI, DR. WILLIAM L, b. Philadelphia, Pa, Nov. 17, 41. PSYCHOLOGY. A.B. Franklin & Marshall Col., 63; M.A. Michigan, 65, Ph.D.(psychol), 68. ASST. PROF. PSYCHOL, QUEEN'S (ONT), 68-. Asn. Psychol. Asn; Can. Psychol. Asn. Developmental psychology; psycholinguistics; bilingualism. Publ: Co-auth, Alterations in pattern equivalence following inferotemporal and lateral striate lesions in Rhesus monkeys, J. Comp. & Physiol. Psychol., 66; auth, Stability of the Michigan free and restricted norms, Am. J. Psychol., 9/68. Address: Dept. of Psychology, Queen's University, Kingston, Ont, Can.
- GELBER, DR. BEATRICE. Experimental Psychology. See A-K Vol. 11th ed, Soc. & Behav. Vols. New information: Res. assoc. Nova, 69. Address: 1461 S. Ocean Blvd, Apt. 136, Pompano Beach, Fla. 33062.
- GELBMANN, DR. FREDERICK J(OHN). Clinical Psychology. See A-K Vol. 11th ed, Soc. & Behav. Vols. New position: Coordinator clin. serv. Minn. Dept. Corrections, 69-. Address: 294 Janice St, St. Paul, Minn. 55112.
- GELLER, DR. E. SCOTT, b. Allentown, Pa, Feb. 7, 42; m. 67. EXPERIMENTAL PSYCHOLOGY. B.A. Col. Wooster, 64; U.S. Pub. Health Serv. fcls, Southern Illinois, 64-65, 68-69, M.A., 67, Ph.D.(psychol), 69. ASST. PROF. PSYCHOL, VA. POLYTECH, 69-. Psychol. Asn. Decision making and human judgment processes and the influence of individual differences in these areas; behavior modification via learning principles. Publ: Confidence and decision speed in the revision of opinion, Orgn. Behav. & Human Performance, 68; Effects of prediction, probability and run length on choice reaction speed & co-auth, Revision of opinion and decision times in an information seeking task, J. Exp. Psychol., (in press). Address: Dept. of Psychology, Virginia Polytechnic Institute, Blacksburg, Va. 24061.
- GELLER, HARVEY. Public Health Statistics. See A-K Vol. 11th ed, Soc. & Behav. Vols. New position: Head spec. census surv. sect, 68-, Biometry Branch, National Cancer Institute, Room 6C10, 7550 Wisconsin Ave, Bethesda, Md. 20014.
- GELLERMANN, DR. WILLIAM P. Psychology, Anthropology. See A-K Vol. 11th ed, Soc. & Behav. Vols. Change of address: 229 Prospect Ave, Staten Island, N.Y. 10301.
- GENTILE, DR. JAMES RONALD, b. Pottsville, Pa, Apr. 14, 41; m. 63; c. 1. EDUCATIONAL & EXPERIMENTAL PSYCHOLOGY. B.S. Pa. State, 63, Nat. Inst. Health traineeship, 63, res. fcls, 63-66, M.S., 64, Ph.D.(educ. psychol), 67. Res. psychologist, Walter Reed Army Inst. Res., Walter Reed Army Med. Center, 67-69; ASST. PROF. ED. PSYCHOL, STATE UNIV. N.Y. BUFFALO, 69-. Med.C. U.S.A., 67-69, Capt. AAAS: Psychol. Asn; Ed. Res. Asn. Mediation and associative processes, especially as they influence the solutions to problems and test items; individual and sociocultural differences in problem solving. Publ: Co-auth, Classroom applications of reinforcement principles, Kendall/Hunt, 70; auth, The first generation of computer-assisted instructional systems: an evaluative review, A.V. Commun. Rev., 15: 23-33; co-auth, Process of solving analogy items, J. Ed. Psychol., 60: 494-502. Address: 498 Maynard Dr, Eggertsville, N.Y. 14226.
- GEORGE, PROF. ALEXANDER L(AWRENCE). Political Science. See A-K Vol. 11th ed, Soc. & Behav. Vols. New position & address: Prof., 68-, Dept. of Political Science, Stanford University, Stanford, Calif. 94305.
- GEORGE, PROF. JOHN L, b. Danvers, Mass, Oct. 30, 31; m. 58; c. 3. URBAN GEOGRAPHY. B.S. Salem State Col., 53; M.A. Clark, 56; Ph.D.(geog), Boston, 68. Teacher, pub. schs, Wallingford, Conn, 57-59; high sch, Topsfield, Mass, 59-61; instr. GEOG, SALEM STATE COL., 61-64, asst. prof, 64-67, assoc. prof, 67-69, PROF., 69-. Consult, B.F. Goodrich Co, 67; Lynn, Mass, 67-. Smithsonian inst, New Eng. Textile Mill Surv, 68; private consultant, 67-. U.S.A. Asn. AAAS: Asn. Asm. Asn. Geog. Soc. Evaluation of changes in the retail geography of urban areas; classification of retail centers quantitatively to determine the degree of change. Publ: Impact of highway connection improvement, Danvers Hist. Collections, 67. Address: Dept. of Geography, Salem State College, Salem, Mass. 01970.
- GEORGE, DR. PULVELLIL MARKOSE, b. Kollad, India, July 6, 31; m. 61; c. 2. SOCIOLOGY. A.B. Earlham Col., 58; M.A. Boston, 61; Ph.D.(sociol), North Carolina, Chapel Hill, 65. INSTR. SOCIOL, North Carolina, Raleigh, 64-65; asst. prof, Alberta, 65-68; WESTERN ONTARIO, 68-69, ASSOC. PROF., 69. Can. Coun. res. grant, 69-70. Referee, res. grant appln, Defense Res. Bd, Can, 68. Asn. Sociol. Asn; Int. Sociol. Asn; Can. Sociol. Asn. Philosophy of social science; value orientation of scientists; sociology of occupations. Publ: A balance approach to occupational commitment, values and perceptions, Sociol. Inquiry, spring 67; Some master models within the historical perspectives, Organon, 68; The model of man and the problem of understanding, Acts XXII Congress Sociol., 9/69. Address: Dept. of Sociology, University of Western Ontario, London, Ont, Can.
- GEORGEVICH, DR. MODRAG. International Politics. See A-K Vol. 11th ed, Soc. & Behav. Vols. New information: Ph.D.(polit. sci), Michigan, 70. Address: 2 Marquette Dr, Marquette, Mich. 49855.
- GEORGOPOULOS, DR. BASIL S. Social Psychology. See A-K Vol. 11th ed, Soc. & Behav. Vols. New position: Prof., psychology, 69. Address: Institute for Systems Research, University of Michigan, Ann Arbor, Mich. 48106.
- GERARD, DR. EUGENE OLIVER. Psychology. See A-K Vol. 11th ed, Soc. & Behav. Vols. New position & address: Staff psychologist, 69-, Psychology Section, Porterville State Hospital, Porterville, Calif. 93257.
- GERARD, PROF. H(AROLD) B(ENJAMIN). Psychology. See A-K Vol. 11th ed, Soc. & Behav. Vols. New position & address: Prof., 68-, Dept. of Psychology, University of California, Los Angeles, Calif. 90024.
- GERARD, DR. ROY. Economics. See A-K Vol. 11th ed, Soc. & Behav. Vols. Change of address: Economic Consultants Organization, Inc, 17 Independence St, White Plains, N.Y. 10606.
- GERBER, DR. BARBARA W. Counseling, Educational Psychology. See A-K Vol. 11th ed, Soc. & Behav. Vols. Change of address: School Psychology & Counseling, State University of New York College at Oswego, Oswego, N.Y. 13126.
- GERBER, PROF. ISRAEL J(OSHUA). Psychology. See A-K Vol. 11th ed, Soc. & Behav. Vols. New information: Lect. psychol., North Carolina, Charlotte, 68-. lectr, J.C. Smith Univ., 69-. v-pres, Hearststone, 69-. Address: 5727 Riviere Dr, Charlotte, N.C. 28211.
- GERBER, DR. WILLIAM. Diplomatic History, Philosophy. See 5th ed, Dir. Am. Scholars, Vol. IV, Philos, Relig. & Law.
- GERBERICH, PROF. J(OSEPH) RAYMOND. Educational Psychology. See A-K Vol. 11th ed, Soc. & Behav. Vols. New information: Emer. prof. ed, Connecticut, 62-. retired, Arizona, 69; private consultant, Univ. West Indies, Address: 800 Benjamin Franklin Dr, Sarasota, Fla. 33580.
- GERDES, PROF. VICTOR. Economics. See A-K Vol. 11th ed, Soc. & Behav. Vols. Change of address: 131 Marshcre Dr, Middletown, N.J. 07748.
- GERHARD, DR. HANS W(OLFRAM). Economics. See A-K Vol. 11th ed, Soc. & Behav. Vols. New position: Div. chief, International Monetary Fund, 69-. Address: 6506 Cardigan Rd, Bethesda, Md. 20834.

- GERHARDT, PAUL (HARDING), b. Clarkdale, Ariz., June 28, 20; m. 47; c. 3. **ECONOMICS**. B.A. North Carolina, 46; M.A. Harvard, 51, fel. 51-53. Economist, Ford Motor Co. 53-57; sr. economist & dir. econ. res. Midwest Res. Inst. 57-81; SR. **ECONOMIST**, area develop. Cmt. Econ. Develop. 61-66; **NAT. AIR POLLUTION CONTROL ADMIN.**, 67- U.S.A.A.F. 42-45. Econ. Assn; Economist, Soc. Regional Sci. Assn. Regional economic development, marketing economics; urban economics; research management. Publ: An economic development plan for southern New Jersey; co-auth. The role of housing in economic development. Address: 9166 Rail Court, McLean, Va. 22101.
- GERJUOY, DR. HERBERT (GEORGE). Psychology. See A-K Vol. 11th ed, Soc. & Behav. Vols. Change of address: 354 Clay St, Monterey, Calif. 93940.
- GERKEN, PROF. C(LAYTON) d'(ARNDT). Psychology. See A-K Vol. 11th ed, Soc. & Behav. Vols. New position & address: Prof. ed. psychol. & psychol. Nebraska, 66- Address: Route 1, Palmyra, Nebr. 68418.
- GERLACH, DR. FREDERICK H. International Relations. See A-K Vol. 11th ed, Soc. & Behav. Vols. New position: Consular officer, U.S. Embassy, Rabat, Morocco, 70- Address: 1711 N. Quincy St, Arlington, Va. 22207.
- GERLETTI, PROF. JOHN D. Public Administration. See A-K Vol. 11th ed, Soc. & Behav. Vols. New information: Also dir. 68-, Delinquency Control Institute, University of Southern California, Los Angeles, Calif. 91030.
- GERMANI, PROF. GINO. Sociology. See A-K Vol. 11th ed, Soc. & Behav. Vols. New pub. Sociology, Malden, Mass., 69. Address: Dept. of Social Relations, Harvard University, William James Bldg, 570, Cambridge, Mass. 02138.
- GEROW, DR. JOSHUA, III, b. Liberty, N.Y. Apr. 29, 41; m. 67. **PSYCHOLOGY**. B.A. State Univ. N.Y. Buffalo, 63; Ph.D.(psychol), Tennessee, 67. Asst. prof. **PSYCHOL.**, Colorado, 67-69; **ASSOC. PROF.** PURDUE, FT. WAYNE, 69- Psycholinguistics; verbal learning and behavior; language acquisition. Publ: Co-auth. The role of congruent and incongruent evaluative contexts in word association. J. Verbal Learning & Verbal Behavior, 68; The role of rules of recall, 68 & auth. Learning of rules of categorized free recall, 69. Am. J. Psychol. Address: Dept. of Psychology, Purdue University, Ft. Wayne Campus, Ft. Wayne, Ind. 46805.
- GERSHENBERG, DR. IRVING, b. New York, N.Y. Feb. 29, 32; m. 61; c. 3. **ECONOMICS, ECONOMIC HISTORY**. B.A. City Coll. New York, 54; M.A. California, Berkeley, 57, Ph.D.(econ), 67. Asst. economist, Calif. State Dept. Water Resources, 58-61; teaching asst. econ. California, Berkeley, 62-63, assoc. soc. 63-65; **ASST. PROF. ECON.** CONNECTICUT, 65-, **RES. FOUND. GRANT**, 69-, summer faculty fel. 67, Nat. Defense For. Lang. fel. African Studies Center, California, Los Angeles, 68-69; lectr. Makerere Univ. Col. Uganda, 69- Adv. third year develop. plan, Govt. of Uganda, 69- Econ. Assn; Econ. Hist. Assn. African Studies Assn. Role of financial institutions in the economic development of East Africa and an analysis of needed structural change. Publ: Impact of independence on role of commercial banking in Uganda's economic development, Proc. United Soc. Sci. Conf. Nairobi, 12/69; The Negro and the development of white public education in the South, J. Negro Ed. winter 70; Southern attitudes towards education, Hist. Ed. Quart, spring 70. Address: Dept. of Economics, University of Connecticut, Storrs, Conn. 06268.
- GERSHENSON, MAURICE (IRVING). Economics, Statistics. See A-K Vol. 11th ed, Soc. & Behav. Vols. New information: Independent consult. economist & statistician, 68- Address: 128 Colusa Ave, Berkeley, Calif. 94707.
- GERSTMAN, DR. HUBERT L., b. Buffalo, N.Y. Feb. 20, 34; m. 59; c. 2. **SPEECH PATHOLOGY, AUDIOLOGY**. B.S. State Univ. N.Y. Col. Genesee, 55; M.Ed. Pa. State, 60, D.Ed.(clin. speech), 62. Res. asst. speech path. & audiol. Pa. State, 59-60, Voc. Rehab. Admin. trainee, 60-61, clin. asst. 61-62; speech pathologist, audiologist & clin. psychologist, St. Elizabeth's Hosp., D.C. 62-63; speech pathologist & audiologist, Akron, Ohio, 63; asst. prof. speech, coordinator audiol. serv. & dir. spec. proj.s. Univ. Akron, 63-65; **CLIN. DIR. SPEECH PATH. & AUDIOL. SPEECH, HEARING & LANG. CENTER**, NEW ENG. MED. CENTER HOSPS., BOSTON, MASS., 65-, **ASST. PROF. PHYS. MED. & REHAB. SCH. MED. TUFTS**, 65- Speech pathologist & audiologist, Center Commun. Disorders, Alexandria, Va., 62-63; lectr. seminar training ologists, Akron Acad. Otolaryngol. & Buchtel Col. Colloquium, Univ. Akron, 64; Boston Univ., 66-67. Consult. Halifax Hearing & Speech Center, 66- Am. Speech & Hearing Assn.(legis. councilor, 69-73); Am. Cleft Palate Assn; assoc. Group Psychosocial. Assn; Acoustical Soc. Am; Nat. Soc. Study Commun. Motivational aspects of human behavior, especially speech and hearing in children; aphasia therapies; site of lesion audiometry, particularly sound localization and cortical deficit. Publ: Co-auth. The motivation of speech and hearing handicapped school children, U.S.Dept. Ed. & Pa. State Univ. 6/60; auth. A case of aphasia, J. Speech & Hearing Disorders, 2/64. Address: Speech, Hearing & Language Center, Tufts University School of Medicine, 185 Harrison Ave, Boston, Mass. 02111.
- GERSTMAN, DR. LOUIS (JOSEPH). Experimental Psychology. See A-K Vol. 11th ed, Soc. & Behav. Vols. New information: Assoc. prof. psychol. City Col., 69-; consult. dept. systs. design & develop. systs. res. inst. Bus. Mach. Corp. Address: 53 St. Marks Place, New York, N.Y. 10003.
- GERTH, DR. DONALD ROGERS. Political Science. See A-K Vol. 11th ed, Soc. & Behav. Vols. New information: Also assoc. v.pres. acad. affairs, 69-, Chico State College, Chico, Calif. 95926.
- GERWIN, DR. DONALD, b. Brooklyn, N.Y. June 13, 37; m. 64; c. 2. **BUSINESS ADMINISTRATION**. B.S. Carnegie Institute, 58, Ph.D.(bus. admin.), 67, N.Y. Univ., 60-62, M.A. Case Western Reserve, 61. Oper. res. analyst, Allied Chem. Corp., N.Y. 60-62; Resources for Future fel. 64-65; instr. orgn. sci. Case Western Reserve, 65-87; **ASST. PROF. BUS. ADMIN.** WISCONSIN-MILWAUKEE, 67- Off. Ed. res. grant, 68-69. U.S.A. 61. **AAAS**; Inst. Mgt. Sci.; Polit. Sci. Assn. Administrative decision making in the public sector, particularly allocation of financial resources. Publ: Budgeting public funds: the decision process in an urban school district, Univ. Wis., 69; A process model of budgeting in a public school system, Mgt. Sci. 3/69; Towards a theory of public budgetary decision making, Admin. Sci. Quart, 3/69. Address: School of Business Administration, University of Wisconsin-Milwaukee, Milwaukee, Wis. 53201.
- GESCHWENDER, DR. JAMES ARTHUR. Sociology. See A-K Vol. 11th ed, Soc. & Behav. Vols. New position & address: Assoc. prof. 70-, Dept. of Sociology, State University of New York at Binghamton, Binghamton, N.Y. 13901.
- GEISSNER, DR. PETER K. Pharmacology. See Suppl. V to 11th ed, Phys. & Biol. Vols.
- GEISSOW, ALFRED. Physics, Applied Mathematics. See Suppl. V to 11th ed, Phys. & Biol. Vols.
- GETTELL, DR. RICHARD GLENN. Economics. See A-K Vol. 11th ed, Soc. & Behav. Vols. New position & address: Financial v.pres, 69-, The Phoebe Waterman Foundation, Inc, 1819 John F. Kennedy Blvd, Philadelphia, Pa. 19103.
- GEYER, DR. ALAN. Christian Ethics, Political Science. See 5th ed, Dir. Am. Scholars, Vol. IV, Philos. Relig. & Law.
- GEYER, PROF. HERBERT G(EOERG). Economics, Public Finance. See A-K Vol. 11th ed, Soc. & Behav. Vols. New position: Prof. 69-, Dept. of Economics, Hunter College, 695 Park Ave, New York, N.Y. 10021.
- GEYER, DR. JOHN JACOB, b. Los Angeles, Calif. Apr. 19, 27; m. 62; c. 2. **EDUCATION, PSYCHOLOGY**. B.A. California, Los Angeles, 51; M.A., San Diego State Col. 60; Ph.D.(ed. psychol), California, Berkeley, 66. Asst. prof. ed. San Diego State Col., 65-67; ED. **PSYCHOL.**, RUTGERS, 67-70, **ASSOC. PROF.** 70- Eval. consult. Ed. Records Bur., New York, 68- **AAAS**; Psychol. Assn; Ed. Res. Assn. Sensory processes and perception in reading; measurement and evaluation. Publ: The prediction of a temporal eye-voice span constant, In: Perception and reading, 68 & Models of perceptual processing in reading, In: Theoretical models and processes of reading, 70, Int. Reading Assn. Address: 84 Woodland Rd, Piscataway, N.J. 08854.
- GHERITY, PROF. JAMES A., b. Highland Park, Mich. Dec. 19, 29; m. 55; c. 2. **ECONOMICS**. B.A. Wayne State, 51; M.A., Michigan, 52; Ph.D.(econ), Illinois, Urbana, 58. Asst. prof. **ECON.** Mich. State, 55-59; Mich. State-Oakland, 59-61; State Univ. N.Y. Buffalo, 61-64; from assoc. prof. to **PROF.** NORTHERN ILLINOIS, 64- Am. Econ. Assn; Royal Econ. Soc. Scottish Econ. Soc. History of economic thought, particularly historical environment and development of thought in related fields. Publ: Economic thought: a historical anthology, Random, 65; Thomas DeQuincey and Ricardian orthodoxy, *Economica*, 62; A quest for an unrecognized publication of Adam Smith, *Scottish J. Polit. Econ.* 71. Address: 9 Evergreen Circle, DeKalb, Ill. 60115.
- GHIARDI, JOHN F. L. Economics. See A-K Vol. 11th ed, Soc. & Behav. Vols. New position: Adv. Fed. Reserve Bd, 68- Address: 12 Park Overlook Court, Bethesda, Md. 20804.
- GIARDINA, DR. RICHARD C., b. New York, N.Y. Aug. 28, 44. **POLITICAL SCIENCE**. Cert. polit. sci. Inst. Polit. Studies, Paris, 64; A.B. Fordham, 65; Woodrow Wilson & Nat. Defense Ed. Act fel.s. & Ph.D.(polit. sci.), Princeton, 69. Preceptor **POLIT. SCI.** Princeton, 68-69; **ASST. PROF. BOWLING GREEN STATE**, 69- **Polit. Sci. Assn.** Int. Studies Assn; Soc. Int. Law. Foreign policy decision making in bilateral and multilateral contexts and its relation to world order. Address: 2536 Bronxwood Ave, Bronx, N.Y. 10469.
- GIBB, DEAN RICHARD (DEAN). Agricultural Economics. See A-K Vol. 11th ed, Soc. & Behav. Vols. Change of address: 707 N. Monroe, Pierre, S.Dak. 57501.
- GIBBARD, PROF. HAROLD A(ILLAN). Sociology. See A-K Vol. 11th ed, Soc. & Behav. Vols. New information: Also acting dean, 69-, College of Arts & Sciences, West Virginia University, Morgantown, W.Va. 26506.
- GIBBS, DEAN HUBERT S. Political Science. See A-K Vol. 11th ed, Soc. & Behav. Vols. New information: Also dean metrop. col., 69-, Boston University, 755 Commonwealth Ave, Boston, Mass. 02215.
- GIBBS, DR. JAMES O(WEN), b. Oakland, Calif., Oct. 9, 39; m. 64; c. 1. **SOCIOLOGY**. B.A. Redlands, 61; M.A. Washington (Seattle), 64, Ph.D.(sociol), 67. **ASST. PROF. SOCIOL.** EMORY, 66- Sociol. Assn; Pop. Assn; Nat. Coun. Family Rel. Population; family; religion organizations. Publ: Sr. auth. The external adaptation of religious organizations; church response to social issues, *Social. Anal.* winter 69. Address: Dept. of Sociology & Anthropology, Emory University, Atlanta, Ga. 30322.
- GIBBS, JAMES TAYLOR, b. Washington, D.C. Feb. 26, 25; m. 48, 69; c. 3. **ECONOMICS**. B.A. Southern California, 52; M.A. Claremont Grad. Sch. 64. Asst. dir. **DIV. RES. GEN. ECON. PROBS.** AM. INST. ECON. RES. 64-68, **DIR.** 68- U.S.N. 43-59, 1st Comdr. Money and credit, particularly the problem of inflating. Publ: Ed. Can our republic survive?, Am. Inst. Econ. Res. 69; auth. Numerous articles and research reports in professional journals, 63-70. Address: Division of Research on General Economic Problems, American Institute for Economic Research, Great Barrington, Mass. 01230.
- GIBBY, DR. ROBERT G. JR, b. Youngstown, Ohio, Sept. 22, 39; m. 62; c. 3. **PSYCHOLOGY**. B.A. Richmond, 61; M.A. Catholic Univ. 65, Ph.D.(exp. psychol), 66. **ASST. PROF. PSYCHOL.** VA. COMMONWEALTH UNIV., 65-, **EXEC. DIR. LIFE SCI. RES. INST.** INC., 66- Consult. U.S. Pub. Health Serv., 67; A.H. Robbins, Inc, 68- U.S.A.R. 61-63, 1st Lt. Psychol. Assn. Learning; sensory deprivation; autonomic rate of change parameters; psychomotor skills. Address: Dept. of Psychology, Virginia Commonwealth University, Richmond, Va. 23220.

- GEARING, PROF. F (FREDERICK) O(SMOND). Anthropology. See A-K Vol. 11th ed. Soc. & Behav. Vols. New position & address: Prof. 69-, Dept. of Anthropology, State University of New York at Buffalo, 4242 Ridge Lea Rd, Amherst, N.Y. 14226.
- GEAS, DR. VIKTOR. b. Taurage, Lithuania, Mar. 1, 42; U.S. citizen; m. 65. SOCIOLOGY. B.A. Beloit Col. 64; Nat. Inst. Ment. Health fel. Minnesota, 64-67; M.A., 67, Woodrow Wilson fel. 68, Ph.D. (sociol). 69. ASST. PROF. SOCIOLOGY, Wis. State, River Falls, 68-69; WASHINGTON STATE, 69- Res. grant, Nat. Sci. Found. 69-70. Sociol. Soc. Nat. Coun. Family Res. Portrayal of aggression in popular magazine fiction; family interaction and the development of self-conception and self-esteem in the child; poverty and socialization. Publ. Co-auth. Perceived parent-child interaction and boys' self-esteem in two cultures, *Int. J. Comp. Sociol.* 8/70. Address: Dept. of Sociology, Washington State University, Pullman, Wash. 99163.
- GEER, DR. WILLIAM JAMES. b. Willow Lake Twp, Minn. Sept. 3, 36; m. 62; c. 3. SOCIOLOGY. B.F.A. Minneapolis Sch. Art, 62, Carle fel. 63-65; B.A. Minnesota, 65, M.A., 67, Ph.D. (sociol). 69. Staff photographer, Visual Arts Res. Center, 61-62; creative dir. Bolger Pub. 62-63; art dir. Legon Develop. Serv. 63-64; asst. social. Univ. Minnesota, 66-68, coordinator teaching assts. sociol. 68-69. ASST. PROF. SOCIOLOGY & ANTHROPOLOGY, COL. ST. CATH. ERDNE, 69- U.S.M.C. 54-57. Sociology of art, especially the artist as a member of a formal organization. Address: Route 1, Box 184, Osseo, Minn. 55369.
- GEERTZ, PROF. CLIFFORD. Anthropology. See A-K Vol. 11th ed. Soc. & Behav. Vols. New position & address: Prof. soc. sci. 70-, Institute for Advanced Study, Princeton, N.J. 08540.
- GEHLEN, DR. FRIEDA L. b. Bad Axe, Mich. Sept. 14, 37; m. 67; c. 1. SOCIOLOGY. B.S. Evangel Col. 59; M.A. Mich. State, 61, Minn. fel. 61-62. Nat. Sci. Found. fel. 63-64, Ph.D. (sociol). 67. Teacher, high sch. Ohio, 59-60; instr. SOCIOLOGY, Evangel Col. 65; Purdue, 65-67; vis. asst. prof. San Francisco State Col. 67-68; ASST. PROF. PURDUE, 68-69. Sociol. Asn. Polit. Sci. Asn. Political sociology and sociology of education. Publ. The political aspects of small schools, Ed. *Recognition Info.* Center, New Mexico State, 69; co-auth. Correlates of legislative behavior: Michigan House of Representatives, *Midwest J. Polit. Sci.* 11/62; auth. Women in Congress, *Transaction*, 10/69. Address: Dept. of Sociology, Purdue University, Lafayette, Ind. 47907.
- GEIS, DR. FLORENCE L. b. Oakland, Calif. Apr. 3, 33; div. SOCIAL PSYCHOLOGY. A.B. Arizona, 56; Nat. Sci. Found. fel. Columbia, 63, Ph.D. (soc. psychol). 64. ASST. PROF. PSYCHOLOGY, N.Y. Univ. 64-67; DELAWARE, 67- Nat. Sci. Found. grant, 65-67. Am. Insts. Res. creative talent award, 65. AAAS; Psychol. Asn. Interpersonal relations and manipulation; Machiavellianism. Publ. Co-auth. Studies in Machiavellianism, N.Y. Acad. Press, 70. Address: Dept. of Psychology, University of Delaware, Newark, Del. 19711.
- GEISER, DR. PETER. b. Waynesboro, Pa. Feb. 24, 10; m. 59; c. 1. SOCIOLOGY. A.B. Pittsburgh, 34; M.S.W. Southern California, 48, Ph.D. (sociol). 60. Asst. dir. Los Angeles Travelers Aid Soc. 48-50; asst. chief soc. worker, Out-Patient Clin. U.S. Vet. Admin. 50-54; dist. rep. Calif. State Dept. Soc. Welfare, 54-58; assoc. prof. sociol. San Fernando Valley State Col. 58-63; chmn. dept. sociol. CALIF. STATE COL. HAYWARD, 63-67. ACTING HEAD DIV. SOC. & BEHAV. SCI. 67. Asst. prof. Los Angeles State Col. 50-58; vis. prof. American Univ. Cairo, 61-62, res. assoc. 63-64; vis. prof. Hokkaido, 68; Fulbright res. fel. Ankara, Turkey, 68-69. U.S.N. 44-45. Sociol. Asn. Soc. Anthropol. Migration and urbanization. Publ. Some impressions concerning the nature and extent of stabilization and urbanization in Nubian society, In: *Harfex Series*, Yale, 67; co-auth. Decision-making processes in the professional association, *Soc. Work*, 7/62; auth. Some differential factors affecting population movement: the Nubian case, *Human Org.* fall 67. Address: California State College at Hayward, Hayward, Calif. 94542.
- GEISMAR, PROF. LUDWIG L(EO). Sociology. See A-K Vol. 11th ed. Soc. & Behav. Vols. New publ. Preventive intervention in social work, *Scarcecrow*, 69. Address: Graduate School of Social Work, Rutgers, The State University, New Brunswick, N.J. 08903.
- GEIST, DR. VALERIUS. Zoology, Ethology. See Suppl. VI to 11th ed. Phys. & Biol. Vols.
- GEWITZ, DR. P(ETER) JAMES. Psychology. See A-K Vol. 11th ed. Soc. & Behav. Vols. New information: Independent writer & consultant, 69- New publ. NonFreudian personality theories, *Brooks/Cole*, 69. Address: 749 Corbett Ave., Apt. 3, San Francisco, Calif. 94131.
- GEKOSKI, DR. WILLIAM L. b. Philadelphia, Pa. Nov. 17, 41. PSYCHOLOGY. A.B. Franklin & Marshall Col. 63; M.A. Michigan, 65, Ph.D. (psychol). 68. ASST. PROF. PSYCHOLOGY, QUEEN'S (ONT), 68- Am. Psychol. Asn. Can. Psychol. Asn. Developmental psychology; psycholinguistics; bilingualism. Publ. Co-auth. Alterations in pattern equivalence following intertemporal and lateral striate lesions in Rhesus monkeys, *J. Comp. & Physiol. Psychol.* 66; auth. Stability of the Michigan free and restricted norms, *Am. J. Psychol.* 9/68. Address: Dept. of Psychology, Queen's University, Kingston, Ont. Can.
- GELBER, DR. BEATRICE. Experimental Psychology. See A-K Vol. 11th ed. Soc. & Behav. Vols. New information: Res. assoc. Nova, 69. Address: 1461 S. Ocean Blvd, Apt. 136, Pompano Beach, Fla. 33062.
- GELBMANN, DR. FREDERICK (JOHN). Clinical Psychology. See A-K Vol. 11th ed. Soc. & Behav. Vols. New position: Coordinator clin. serv. Minn. Dept. Corrections, 69- Address: 294 Janice St. St. Paul, Minn. 55112.
- GELLER, DR. E. SCOTT. b. Allentown, Pa. Feb. 7, 42; m. 67. EXPERIMENTAL PSYCHOLOGY. B.A. Col. Wooster, 64; U.S. Pub. Health Serv. fcls. Southern Illinois, 64-65, 68-69, M.A., 67, Ph.D. (psychol). 69. ASST. PROF. PSYCHOLOGY, VA. POLYTECH, 69- Psychol. Asn. Decision making and human judgment processes and the influence of individual differences in these areas; behavior modification via learning principles. Publ. Confidence and decision speed in the revision of opinion, *Orgn. Behav. & Human Performance*, 68; Effects of prediction, probability and run length on choice reaction speed & co-auth. Revision of opinion and decision times in an information seeking task, *J. Exp. Psychol.* (in press). Address: Dept. of Psychology, Virginia Polytechnic Institute, Blacksburg, Va. 24061.
- GELLER, HARVEY. Public Health Statistics. See A-K Vol. 11th ed. Soc. & Behav. Vols. New position: Head spec. cancer surv. sect, 68-, Biometry Branch, National Cancer Institute, Room 6C10, 7550 Wisconsin Ave, Bethesda, Md. 20014.
- GELLERMANN, DR. WILLIAM P. Psychology, Anthropology. See A-K Vol. 11th ed. Soc. & Behav. Vols. Change of address: 239 Prospect Ave, Staten Island, N.Y. 10301.
- GENTILE, DR. J(AMES) RONALD. b. Pottsville, Pa. Apr. 14, 41; m. 63; c. 1. EDUCATIONAL & EXPERIMENTAL PSYCHOLOGY. B.S. Pa. State, 63, Nat. Inst. Health traineeship, 63, res. fcls. 63-66, M.S., 64, Ph.D. (educ. psychol). 67. Res. psychologist, Walter Reed Army Inst. Res. Walter Reed Army Med. Center, 67-69; ASST. PROF. ED. PSYCHOL., STATE UNIV. N.Y. BUFFALO, 69- Med.C. U.S.A., 67-69, Capt. AAAS; Psychol. Asn. Ed. Res. Asn. Mediation and associative processes, especially as they influence the solutions to problems and test items; individual and sociocultural differences in problem solving. Publ. Co-auth. Classroom applications of reinforcement principles, *Kendall/Hunt*, 70; auth. The first generation of computer-assisted instructional systems: an evaluative review, *A-V Commun. Rev.* 15: 23-53; co-auth. Process of solving analogy items, *J. Ed. Psychol.* 60: 494-502. Address: 498 Maynard Dr, Eggersville, N.Y. 14226.
- GEORGE, PROF. ALEXANDER L(AWRENCE). Political Science. See A-K Vol. 11th ed. Soc. & Behav. Vols. New position & address: Prof. 68-, Dept. of Political Science, Stanford University, Stanford, Calif. 94305.
- GEORGE, PROF. JOHN L. b. Danvers, Mass. Oct. 30, 31; m. 58; c. 3. URBAN GEOGRAPHY. B.S. Salem State Col. 53; M.A. Clark, 56; Ph.D. (geog.). Boston, 68. Teacher, pub. schs. Wallingford, Conn. 57-59; high sch. Topfield, Mass. 59-61; instr. GEOG. SALEM STATE COL. 61-64, asst. prof. 64-67, assoc. prof. 67-69, PROF. 69- Consult. B.F. Goodrich Co. 67; Lynn, Mass. 67-; Smithsonian Inst. New Eng. Textile Mill Surv. 68; private consultant, 67- U.S.A. 55-57. AAAS; Asn. Am. Geog. Soc. Evaluation of changes in the retail geography of urban areas; classification of retail centers quantitatively to determine the degree of change. Publ. Impact of highway connection improvement, *Danvers Hist. Collections*, 67. Address: Dept. of Geography, Salem State College, Salem, Mass. 01970.
- GEORGE, DR. PULVELIL MARKOSE. b. Kollad, India, July 6, 31; m. 61; c. 2. SOCIOLOGY. A.B. Earlham Col. 58; M.A. Boston, 61; Ph.D. (sociol). North Carolina, Chapel Hill, 65. Instr. SOCIOLOGY, North Carolina, Raleigh, 64-65; asst. prof. Alberta, 65-68; WESTERN ONTARIO, 68-69, ASSOC. PROF. 69- Can. Coun. res. grant, 69-70. Referee, res. grant appln. *Defence Res. Bd. Can.* 68-69. Am. Sociol. Asn. Can. Sociol. Asn. Can. Sociol. Asn. Philosophy of social science; value orientation of scientists; sociology of occupations. Publ. A balance approach to occupational commitment, values and perceptions, *Sociol. Inquiry*, spring 67. Some master models within the historical perspectives, *Organon*, 68. The model of man and the problem of understanding, *Acts XXII Congress Socol.* 9/69. Address: Dept. of Sociology, University of Western Ontario, London, Ont. Can.
- GEORGEVICH, DR. MIDDRAF. International Politics. See A-K Vol. 11th ed. Soc. & Behav. Vols. New information: Ph.D. (polit. sci.), Michigan, 70. Address: 2 Marquette Dr, Marquette, Mich. 49855.
- GEORGOPOULOS, DR. BASIL S. Social Psychology. See A-K Vol. 11th ed. Soc. & Behav. Vols. New position: Prof. psychol. Michigan, 69- Address: Institute for Social Research, University of Michigan, Ann Arbor, Mich. 48106.
- GERARD, DR. EUGENE OLIVER. Psychology. See A-K Vol. 11th ed. Soc. & Behav. Vols. New position & address: Staff psychologist, 69-, Psychology Section, Porterville State Hospital, Porterville, Calif. 93257.
- GERARD, PROF. H(AROLD) B(ENJAMIN). Psychology. See A-K Vol. 11th ed. Soc. & Behav. Vols. New position & address: Prof. 68-, Dept. of Psychology, University of California, Los Angeles, Calif. 90024.
- GERARD, DR. ROY. Economics. See A-K Vol. 11th ed. Soc. & Behav. Vols. Change of address: Economic Consultants Organization, Inc. 17 Independence St, White Plains, N.Y. 10606.
- GERBER, DR. BARBARA W. Counseling, Educational Psychology. See A-K Vol. 11th ed. Soc. & Behav. Vols. Change of address: Dept. of Psychology & Counseling, State University of New York College at Oswego, Oswego, N.Y. 13126.
- GERBER, PROF. ISRAEL J(OSHUA). Psychology. See A-K Vol. 11th ed. Soc. & Behav. Vols. New information: Lectr. North Carolina, Charlotte, 68-; lectr. J.C. Smith Univ. 69-; v-pres. Heartstone, 69- Address: 3727 Riviere Dr, Charlotte, N.C. 28211.
- GERBER, DR. WILLIAM. Diplomatic History, Philosophy. See 5th ed. Dir. Am. Scholars, Vol. IV, Philos. Relig. & Law.
- GERBERICH, PROF. J(OSEPH) RAYMOND. Educational Psychology. See A-K Vol. 11th ed. Soc. & Behav. Vols. New information: Emer. prof. ed. Connecticut, 62-; retired, Arizona, 69; private consult. Univ. West Indies, Address: 800 Benjamin Franklin Dr, Sarasota, Fla. 33580.
- GERDES, PROF. VICTOR. Economics. See A-K Vol. 11th ed. Soc. & Behav. Vols. Change of address: 131 Marchshire Dr, Middletown, N.J. 07748.
- GERHARD, DR. HANS W(OLFRAM). Economics. See A-K Vol. 11th ed. Soc. & Behav. Vols. New position: Div. chief, International Monetary Fund, 69- Address: 6506 Cardigan Rd, Bethesda, Md. 20034.

- GERHARDT, PAUL H(ARDING), b. Clarkdale, Ariz, June 28, 20; m. 47; c. 3. ECONOMICS. A.B. North Carolina, 46; M.A. Harvard, 51, fel. 51-53. Economist, Ford Motor Co. 53-57; sr. economist & dir. econ. res. Midwest Res. Inst. 57-61; SR. ECONOMIST, area develop. Cmt. Econ. Develop. 61-66; NAT. AIR POLLUTION CONTROL ADMIN. 67- U.S.A.A.F. 42-45. Econ. Assn. Economet. Soc.; Regional Sci. Assn. Regional economic development; marketing economics; urban economics; research management. Publ: An economic development plan for southern New Jersey; co-auth. The role of housing in economic development. Address: 918 Rail Court, McLean, Va. 22101.
- GERJUOY, DR. HERBERT (GEORGE). Psychology. See A-K Vol, 11th ed, Soc. & Behav. Vols. Change of address: 354 Clay St, Monterey, Calif. 93940.
- GERKEN, PROF. (LAWTON) d'ARMOND. Psychology. See A-K Vol, 11th ed, Soc. & Behav. Vols. New position & address: Prof. ed. psychol. & psychol, Nebraska, 66- Address: Route 1, Palmyra, Nebr. 68418.
- GERLACH, DR. FREDERICK H. International Relations. See A-K Vol, 11th ed, Soc. & Behav. Vols. New position: Consular officer, U.S. Embassy, Rabat, Morocco, 70- Address: 1711 N. Quincy St, Arlington, Va. 22207.
- GERLETTI, PROF. JOHN D. Public Administration. See A-K Vol, 11th ed, Soc. & Behav. Vols. New information: Also dir., 68-, Delinquency Control Institute, University of Southern California, Los Angeles, Calif. 91030.
- GERMANI, PROF. GINO. Sociology. See A-K Vol, 11th ed, Soc. & Behav. Vols. New publ: Sociologia de la modernización, Paidós, Buenos Aires, 69. Address: Dept. of Social Relations, Harvard University, William James Bldg, 570, Cambridge, Mass. 02138.
- GEROW, DR. JOSHUA, III, b. Liberty, N.Y. Apr. 29, 41; m. 67. PSYCHOLOGY. B.A. State Univ. N.Y. Buffalo, 63; Ph.D.(psychol) Tennessee, 67. Asst. prof. PSYCHOL, Colorado, 67-69; ASSOC. PROF, PURDUE, FT. WAYNE, 69- Psycholinguistics; verbal learning and behavior; language acquisition. Publ: Co-auth. The role of congruent and incongruent evaluative contexts in word association, J. Verbal Learning & Verbal Behav, 68; The role of rules of recall, 68 & auth. Learning of rules of categorized free recall, 69, Am. J. Psychol. Address: Dept. of Psychology, Purdue University, Ft. Wayne Campus, Ft. Wayne, Ind. 46805.
- GERSHENBERG, DR. IRVING, b. New York, N.Y. Feb. 29, 32; m. 61; c. 3. ECONOMICS, ECONOMIC HISTORY. B.A., City Coll. New York, 54; M.A., California, Berkeley, 57; Ph.D.(econ), 60. Asst. economist, Calif. State Dept. Water Resources, 58-61; teaching asst. econ. California, Berkeley, 62-63, assoc. soc. sci., 63-65; ASST. PROF. ECON, CONNECTICUT, 65-, RES. FOUND. GRANT, 69-, summer faculty fel., 67. Nat. Defense For. Lang. fel., African Studies Center, California, Los Angeles, 68-69; lectr., Makerere Univ. Col, Uganda, 69- Adv. third five year develop. plan, Govt. of Uganda, 69. Econ. Comm. Exor. Res. Africa, 69-63; lectr. on role of financial institutions in the economic development of East Africa and an analysis of needed structural change. Publ: Impact of independence on role of commercial banking in Uganda's economic development, Proc, United Soc. Sci. Conf, Nairobi, 12/69; The Negro and the development of white public education in the South, J. Negro Ed, winter 70; Southern attitudes towards education, Hist. Ed. Quart, spring 70. Address: Dept. of Economics, University of Connecticut, Storrs, Conn. 06268.
- GERSHENSON, MAURICE (IRVING). Economics, Statistics. See A-K Vol, 11th ed, Soc. & Behav. Vols. New information: Independent consult. economist & statistician, 68- Address: 928 Colusa Ave, Berkeley, Calif. 94707.
- GERSTMAN, DR. HUBERT L., b. Buffalo, N.Y. Feb. 20, 34; m. 59; c. 2. SPEECH PATHOLOGY, AUDIOLOGY. B.S. State Univ. N.Y. Col. Genesee, 55; M.Ed. Pa. State, 60, D.Ed.(clin. speech), 62. Res. asst. speech path. & audiol. Pa. State, 59-60, Voc. Rehab. Admin. trainee, 60-61, clin. asst., 61-62; speech pathologist, audiologist & clin. psychologist, St. Elizabeth's Hosp, D.C. 62-63; speech pathologist & audiologist, Akron, Ohio, 63; asst. prof. speech, coordinator audiol. serv. & dir. spec. proj., Univ. Akron, 63-65; CLIN. DIR. SPEECH PATH. & AUDIOLOG. SPEECH, HEARING & LANG. CENTER, NEW ENG. MED. CENTER HOSPS, BOSTON, MASS, 65-, ASST. PROF. PHYS. MED. & REHAB, SCH. MED, TUTTS, 65- speech pathologist & audiologist, Center Comm. Disorders, Alexandria, Va. 69-63; lectr. on ear training otologists, Akron Acad. Otolaryngol. & Buchtel Col. Colloquium, Univ. Akron, 64; Boston Univ., 66-67. Consult, Halifax Hearing & Speech Center, 66- Am. Speech & Hearing Assn.(legis. councillor, 69-73); Am. Cleft Palate Assn; assoc. Group Psychother. Assn; Acoustical Soc. Am; Nat. Soc. Study Commun. Motivational aspects of human behavior, especially speech and hearing in children; aphasia therapies; site of lesion audiometry, particularly sound localization and cortical deficit. Publ: Co-auth. The motivation of speech and hearing handicapped school children, U.S. Dept. Ed. & Pa. State Univ, 6/60; auth. A case of aphasia, J. Speech & Hearing Disorders, 2/64. Address: Speech, Hearing & Language Center, Tufts University School of Medicine, 185 Harrison Ave, Boston, Mass. 02111.
- GERSTMAN, DR. LOUIS (JOSEPH). Experimental Psychology. See A-K Vol, 11th ed, Soc. & Behav. Vols. New information: Assoc. prof. psychol. City Col, 69-; consult. dept. sys. design & develop. sys. res. inst. Int. Bus. Mach. Corp. Address: 53 St. Marks Place, New York, N.Y. 10003.
- GERTH, DR. DONALD ROGERS. Political Science. See A-K Vol, 11th ed, Soc. & Behav. Vols. New information: Also assoc. v-pres. acad. affairs, 69-, Chico State College, Chico, Calif. 95926.
- GERWIN, DR. DONALD, b. Brooklyn, N.Y. June 13, 37; m. 64; c. 2. BUSINESS ADMINISTRATION. B.S. Carnegie-Mellon Univ, 58, Ph.D.(indust. admin), 67; N.Y. Univ., 60-62; M.S. Case Western Reserve, 61. Oper. res. analyst, Allied Chem. Corp, N.Y. 60-62; Resources for Future fel., 64-65; instr. orgn. sci., Case Western Reserve, 65-67; ASST. PROF. BUS. ADMIN, WISCONSIN-MILWAUKEE, 67- Off. Ed. res. grant, 68-69. U.S.A. 61. AAAS; Inst. Mgt. Sci; Polit. Sci. Assn. Administrative decision making in the public sector, particularly allocation of financial resources. Publ: Budgeting public funds: the decision process in an urban school district, Univ. Wis, 69; A process model of budgeting in a public school system, Mgt. Sci, 3/69; Towards a theory of public budgetary decision making, Admin. Sci. Quart, 3/69. Address: School of Business Administration, University of Wisconsin-Milwaukee, Milwaukee, Wis. 53201.
- GESCHWENDER, DR. JAMES A(RTHUR). Sociology. See A-K Vol, 11th ed, Soc. & Behav. Vols. New position & address: Assoc. prof., 70-, Dept. of Sociology, State University of New York at Binghamton, Binghamton, N.Y. 13901.
- GEISSNER, DR. PETER K. Pharmacology. See Suppl. V to 11th ed, Phys. & Biol. Vols.
- GEISSOW, ALFRED. Physics, Applied Mathematics. See Suppl. V to 11th ed, Phys. & Biol. Vols.
- GETTELL, DR. RICHARD GLENN. Economics. See A-K Vol, 11th ed, Soc. & Behav. Vols. New position & address: Financial v-pres, 69-, The Phoebe Waterman Foundation, Inc, 1819 John F. Kennedy Blvd, Philadelphia, Pa. 19103.
- GEYER, DR. ALAN. Christian Ethics, Political Science. See 5th ed, Dir. Am. Scholars, Vol. IV, Philos, Relig. & Law.
- GEYER, PROF. HERBERT (EORGE). Economics, Public Finance. See A-K Vol, 11th ed, Soc. & Behav. Vols. New position: Prof., 69-, Dept. of Economics, Hunter College, 695 Park Ave, New York, N.Y. 10021.
- GEYER, DR. JOHN JACOB, b. Los Angeles, Calif, Apr. 19, 27; m. 62; c. 2. EDUCATION, PSYCHOLOGY. B.A., California, Los Angeles, 51; M.A., San Diego State Col, 60; Ph.D.(ed. psychol) California, Berkeley, 66. Asst. prof. ed., San Diego State Col, 65-67; ED. PSYCHOL, RUTGERS, 67-70, ASSOC. PROF, 70- Eval. consult. Ed. Records Bur, New York, 68- AAAS; Psychol. Assn; Ed. Res. Assn. Sensory processes and perception in reading; measurement and evaluation. Publ: The prediction of a temporal eye-voice span constant, In: Perception and reading, 68 & Models of perceptual processing in reading, In: Theoretical readings and processes of reading, 70, Int. Reading Assn. Address: 84 Woodland Rd, Piscataway, N.J. 08854.
- GERHITY, PROF. JAMES A., b. Highland Park, Mich, Dec. 19, 29; m. 55; c. 2. ECONOMICS. B.A., Wayne State, 51; M.A., Michigan, 52; Ph.D.(econ), Illinois, Urbana, 58. Asst. prof. ECON, Mich. State, 55-59; Mich. State, Oakland, 59-61; State Univ. N.Y. Buffalo, 61-64; from assoc. prof. to PROF, NORTHERN ILLINOIS, 64- Am. Econ. Assn; Royal Econ. Soc; Scottish Econ. Soc. History of economic thought, particularly historical environment and development of thought in related fields. Publ: Economic thought: a historical anthology, Random, 65; Thomas DeQuincey and Ricardian orthodoxy, The Economist, 62; A quest for an unrecognized publication of Adam Smith, Scottish J. Polit. Econ, 71. Address: 9 Evergreen Circle, DeKalb, Ill. 60115.
- GHARDI, JOHN F. L. Economics. See A-K Vol, 11th ed, Soc. & Behav. Vols. New position: Adv. Fed. Reserve Bd, 68- Address: 12 Park Overlook Court, Bethesda, Md. 20034.
- GIARDINA, DR. RICHARD C., b. New York, N.Y. Aug. 28, 44. POLITICAL SCIENCE. Cert. polit. sci. Inst. Polit. Studies, Paris, 64; A.B., Fordham, 65; Woodrow Wilson Nat. Defense Ed. Act fcls. & Ph.D.(polit. sci), Princeton, 69. Preceptor POLIT. SCI, Princeton, 68-69; ASST. PROF. BOWLING GREEN STATE, 69- Polit. Sci. Assn; Int. Studies Assn; Soc. Int. Fels. Foreign policy decision making in bilateral and multilateral contexts and its relation to world order. Address: 2536 Bronxwood Ave, Bronx, N.Y. 10469.
- GIBB, DEAN RICHARD (DEAN). Agricultural Economics. See A-K Vol, 11th ed, Soc. & Behav. Vols. Change of address: 707 N. Monroe, Pierre, S.Dak. 57501.
- GIBBARD, PROF. HAROLD A(LLAN). Sociology. See A-K Vol, 11th ed, Soc. & Behav. Vols. New information: Also acting dean, 69-, College of Arts & Sciences, West Virginia University, Morgantown, W.Va. 26506.
- GIBBS, DEAN HUBERT S. Political Science. See A-K Vol, 11th ed, Soc. & Behav. Vols. New information: Also dean metropol. col, 69-, Boston University, 755 Commonwealth Ave, Boston, Mass. 02215.
- GIBBS, DR. JAMES O(WEN), b. Oakland, Calif, Oct. 9, 39; m. 64; c. 1. SOCIOLOGY. B.S. M.A., Washington (Seattle), 64, Ph.D.(sociol), 67. ASST. PROF. SOCIOLOGY, EMORY, 66- Social Asst; Pop. Assn. Am; Nat. Coun. Family Res. Population; family; religion; organizations. Publ: Sr. auth. The external adaptation of religious organizations; church response to social issues, Sociol. Anal, winter 69. Address: Dept. of Sociology & Anthropology, Emory University, Atlanta, Ga. 30322.
- GIBBS, JAMES TAYLOR, b. Washington, D.C. Feb. 26, 25; m. 48; 69; c. 3. ECONOMICS. B.A. Southern California, 52; M.A. Claremont Grad. Sch, 64. Asst. dir. DIV. RES. GEN. ECON. PROBS, AM. INST. ECON. RES, 64-68, DIR, 68- U.S.N. 43-59, Lt. Comdr. Money and credit, particularly the problem of inflating. Publ: Ed. Can our republic survive? Pop. Assn. Am. Res, 69; auth. Numerous articles and research reports in professional journals, 63-70. Address: Division of Research on General Economic Problems, American Institute for Economic Research, Great Barrington, Mass. 01230.
- GIBBY, DR. ROBERT G. JR, b. Youngstown, Ohio, Sept. 22, 39; m. 62; c. 3. PSYCHOLOGY. B.S. M.A., Cleveland, 51; M.A., Ohio, 55, Ph.D.(exp. psychol), 66. ASST. PROF. PSYCHOL, VA. COMMONWEALTH UNIV, 65- EXEC. DIR, LIFE SCI. RES. INST, INC, 66- Consult, U.S. Pub. Health Serv, 67; A.H. Robbins, Inc, 68- U.S.N. 61-63, 1st Lt. Psychol. Assn. Learning; sensory deprivation; automatic rate of change parameters; psychomotor skills. Address: Dept. of Psychology, Virginia Commonwealth University, Richmond, Va. 23220.

- GIBSON, DR. GORDON D(AVIS). Anthropology. See A-K Vol, 11th ed, Soc. & Behav. Vols. Change of address: Smithsonian Institution, Washington, D.C. 20560.
- GIBSON, DR. JOHN RICHARD. b. Chicago, Ill. Apr. 16, 30; m. 50; c. 2. SCIENCE EDUCATION. B.S. Ed., Illinois State, 52; M.S. Northern Illinois, 58. Ed.D. 68. Teacher, high sch., Ill. 54-58, head sci. dept. 58-66; ADMIN. ASST. ED. CURRICULUM, HIGH SCH. DIST. 86, 66. Prod. develop. consult. Far Best Corp. 64-66. U.S.N. 48-52; U.S.A. 52-54. Inst. Biol. Sci.; Nat. Sci. Teachers Assn. Educational curriculum; science education learning achievement and instructional materials development and assessment. Publ: The mighty electron, Crowell, 67; Curriculum dilemmas, Ill. Ed. 5/66; A report of neurological notes on learning and teaching, Ill. Sch. Res. 2/68. Address: 2 S. 064, Big Horn Dr., Wheaton, Ill. 60187.
- GIBSON, DR. LAY JAMES, b. Fond du Lac, Wis. Nov. 20, 40; m. 63. ECONOMIC & URBAN GEOGRAPHY. B.S. Oregon State, 63; M.A. California, Los Angeles, 66. Ph.D. (geog.), 67. Econ. Assn.; Economet. Soc.; Finance Assn.; Statist. ARIZONA, 68. Assn. Am. Geog. Soc. Regional Sci. Assn. Location of footloose industry; the amenities factor in regional growth; factors associated with the incidence of blighted housing. Publ: The amenities as a factor in Arizona's population growth, Ann. Regional Sci. 6/69; An analysis of the location of instrument manufacture in the United States, Ann. Assn. Am. Geog. 6/70. Address: Dept. of Geography, University of Arizona, Tucson, Ariz. 85721.
- GIBSON, DR. LORENZO TUCKER, JR. b. Oct. 10, 41; U.S. citizen; m. 63; c. 1. POLITICAL SCIENCE. B.A. Carson-Newman Col., 61; M.A. Oklahoma State, 63; Ph.D. (polit. sci.), Virginia, 68. ASST. PROF. POLIT. SCI., TRINITY (TEX), 68-69. Polit. Sci. Assn.; Legislative-executive relationships in state political systems; Mexican-American politics in south Texas. Address: Dept. of Political Science, Trinity University, San Antonio, Tex. 78212.
- GIBSON, DR. ROBERT CARLTON. Political Science. See A-K Vol, 11th ed, Soc. & Behav. Vols. New information: Mansfield Campus, 68. Address: 1196 Briarwood Rd., Mansfield, Ohio 44907.
- GIBSON, DR. WILLIAM E. b. Farragut, Idaho, Apr. 11, 44. ECONOMICS. A.B. Chicago, 64, ingersoll fel., 64-65, M.A. 65, univ. fel. 65-66, Fed. Reserve Bank Chicago fel., 66-67, Ph.D. (econ.), 67. ASST. PROF. ECON., CALIFORNIA, LOS ANGELES, 67. Econ. Assn.; Economet. Soc.; Finance Assn.; Statist. Assn. Monetary theory; monetary policy; international trade theory; international finance; macroeconomic theory. Publ: Monetary economics, McGraw, 71; Sources of variation in member bank reserves, Rev. Econ. & Statist. 5/67; auth. Interest rates and monetary policy, J. Polit. Econ. 6/70. Address: Dept. of Economics, University of California, 405 Hilgard Ave., Los Angeles, Calif. 90024.
- GIBSON, DR. WILLIAM MILES. Pediatrics. See Suppl. VI to 11th ed, Phys. & Biol. Vols.
- GIDDON, DR. DONALD BERNARD. Psychology, Dentistry. See A-K Vol, 11th ed, Soc. & Behav. Vols. New information: Assoc. deane commun. affairs & prog. develop. 69, Tufts University School of Dental Medicine, 136 Harrison Ave., Boston, Mass. 02111.
- GIDEON, DR. HENDRIK DAVID. Education, History. See A-K Vol, 11th ed, Soc. & Behav. Vols. New position: Dir. planning & eval. Nat. Center for Ed. Res. & Develop., U.S. Off. Ed., 69. Address: 217A Tenth St. S.E., Washington, D.C. 20003.
- GIESBRECHT, DR. MARTIN G. Economics. See A-K Vol, 11th ed, Soc. & Behav. Vols. New position: Prof. econ. & admin. 69, Dept. of Economics & Business, Williamson College, Wilmington, Ohio 45177.
- GIESKE, DR. MILLARD L., b. St. Paul, Minn., May 29, 31; m. 53; c. 3. POLITICAL SCIENCE. B.A. Hamline, 53; Wayne, 54; M.A. Minnesota, Minneapolis, 57, Ph.D. (polit. sci.), 65. Instr. polit. sci., Minnesota, Morris, 62-65, ASST. PROF. POLIT. SCI. & ASST. DEAN, MINNESOTA, MINNEAPOLIS, 65-70, U.S.A. 53-55. Polit. Sci. Assn.; Acad. Polit. Sci. Assn. American government and politics; American political parties. Publ: Co-auth., Norwegian-American studies, N.A.M. Hist. Vol. 23, 67. Address: 1323 Seminole Ave., West St. Paul, Minn. 55118.
- GIFFEN, DR. MARTIN B(RENER). b. Pittsburgh, Pa. Sept. 13, 19; m. 41; c. 2. MEDICINE, PSYCHIATRY. A.B. Michigan, 41; M.D. Pittsburgh, 45. Chief psychiatrist, U.S. Air Force Hosp., Elgin Air Force Base, Fla. 55-57, U.S. Air Force Hosp., Wiesbaden, Germany, 57-61, chmn. dept. psychiatrist & dir. psychiat. res. prog., Wilford Hall Med. Ctr., U.S. Air Force, 61-68, v.comdr. center, 68; PROF. PSYCHIATRY, MED. SCH., TEXAS, SAN ANTONIO, 68. Consult. Surg. Gen. U.S. Air Force, Europe, 57-61, U.S. 61-68; Wilford Hall, U.S. Air Force Hosp., Lackland Air Force Base, 68-70. U.S.A.F. 46-68, Col. Fel. AAS; fel. Psychiat. Assn.; Aerospace Med. Assn. Delivery of psychiatric services to communities; violence; suicide; forensic psychiatry, theoretical and clinical. Publ: Co-auth., Psychological techniques in diagnosis and evaluation, Pergamon, London, 60; auth. The meningitis story, U.S. Air Force Med. Serv. Digest, 8/66; co-auth., The effect of military retirement on dependents, Arch. Gen. Psychiatry, 12/67. Address: Dept. of Psychiatry, University of Texas Medical School of San Antonio, San Antonio, Tex. 78229.
- GIGLIOLI, DR. GIOVANNI B(ATTISTA). b. Perugia, Italy, Jan. 18, 29; U.S. citizen; m. 69. BUSINESS ADMINISTRATION. B.B.A., Tulane, 58, M.B.A., 59; D.B.A., Indiana, 68. Instr. mgt. & mkt. & acting asst. dean, Tulane, 58-60; instr. mgt. & econ. La. State, New Orleans, 62-64; ASSOC. PROF. MGT., MISS. STATE, 64. Consult. U.S. Dept. Agr., U.S. Dept. Labor, Miss. Mrs. Assn. & indust. firms. 60. Acad. Mgt. Management; management science; production management. Publ: Multiple correlation analysis for manpower forecasting: a case study, Univ. Microfilms, 68; co-auth., A study of the relevance of NASA programs to programs of research on the environment and on energy sources, Miss. State Univ., 69. Address: P.O. Box 362, State College, Miss. 39762.
- GIL, PROF. DAVID G. Social Welfare. See A-K Vol, 11th ed, Soc. & Behav. Vols. New position: Prof. soc. welfare, 69, Florence Heller Graduate School, Brandeis University, Waltham, Mass. 02154.
- GILB, DR. CORINNE L(ATHROP). Political Science. See A-K Vol, 11th ed, Soc. & Behav. Vols. New position & address: Prof. 68, Dept. of History, Wayne State University, Detroit, Mich. 48202.
- GILBERT, PROF. CHARLES E. Political Science. See A-K Vol, 11th ed, Soc. & Behav. Vols. New information: Provost, 69, Swarthmore College, Swarthmore, Pa. 19081.
- GILBERT, PROF. G(USTAVE) M. Psychology. See A-K Vol, 11th ed, Soc. & Behav. Vols. New Publ: Personality dynamics: a biosocial approach, Harper, 70. Address: Dept. of Psychology, Long Island University, Brooklyn, N.Y. 11201.
- GILBERT, DR. JAMES E(ASTHAM). Psychology. See A-K Vol, 11th ed, Soc. & Behav. Vols. New information: Ph.D. (psychol.), American Univ., 69. Assoc. deane univ. admin. off. acad. affairs, Northeastern, 69. Address: 13 Pioneer Rd., Hingham, Mass. 02043.
- GILBERT, DR. JOHN H. V. Audiology, Speech. See A-K Vol, 11th ed, Soc. & Behav. Vols. New position: Asst. prof. & head, 69, Division of Audiology & Speech Sciences, University of Columbia, 2150 University Square, Western Pkwy., Vancouver 8, B.C., Can.
- GILBERT, DR. JOSEPH G(ATLIFF). Psychology. See A-K Vol, 11th ed, Soc. & Behav. Vols. New position & address: Clin. psychologist, 69, Dept. of Psychology, South Carolina State Hospital, 2100 Bull St., Columbia, S.C. 29202.
- GILBERT, DR. PETER F. Psychology. See A-K Vol, 11th ed, Soc. & Behav. Vols. New information: Proprietor, Peter F. Gilbert & Assoc., 69. Address: 30 Linwood Rd., Wellesley Hills, Mass. 02181.
- GILBERT, DR. WAYNE MASON. b. Joplin, Mo., July 25, 31; m. 54; c. 2. PSYCHOLOGY, SOCIOLOGY. B.A. Texas, Austin, 56, M.A. 60, Nat. Sci. Found. summer fel., Kansas, 62, Ph.D. (psychol.), 68. Teacher pub. schs., 57-58; instr. psychol., Missouri Southern, 58-63; clin. psychol. trainee, Vet. Admin., 63-65; instr. psychol., part-time, Kansas, 65-66; clin. psychologist, Kans. Neurol. Inst., 66-68; ASSOC. PROF. PSYCHOL., NORTHEAST LA. STATE COL., 68-70. U.S.A.F. 49-53, S/Ygt. Psychol. Assn. Projective test development; use of stereotypes in person perception; socio-cultural determinants of abnormal behavior. Address: Dept. of Psychology, Northeast Louisiana State College, Monroe, La. 71201.
- GILBERT, DR. WILLIAM H(ARLEN). Social Anthropology. See A-K Vol, 11th ed, Soc. & Behav. Vols. New information: Lectr. anthrop., Montgomery Col., 69. Address: 9015 First Ave., Silver Spring, Md. 20910.
- GILCHRIST, DR. VARGE, b. Cardston, Alta., Sept. 26, 16; m. 42; c. 6. AGRICULTURAL ECONOMICS, ECONOMICS. B.Sc. Alberta, 49, M.A. 51; assistantships, Oregon State, 56-58, Ph.D. (agr. econ.), 63. Economist, Can. Dept. Agr., 51-59, chief farm mgt., 59-65; econ. adv., Agr. Rehab. & Develop. Admin., Can., 65-66; assoc. dir. res. ECON. BR., CAN. DEPT. AGR., 66-69. DIR. RES. DIV. 69-70. R.C.A.F. 41-45, Flight Lt. Agr. Econ. Assn.; Can. Agr. Econ. Soc. (v. pres., 64). Production economics in agriculture: direction of research in all economic aspects of agriculture. Publ: A pilot study of income alternatives affecting the movement of farm operators out of agriculture, 63 & Projecting capital accumulation for the agricultural farm household, 66, Can. J. Agr. Econ. Address: 1300 Field St., Ottawa 5, Ont., Can.
- GILDSTON, DR. HAROLD, b. Detroit, Mich., May 11, 25; m. 51; c. 2. SPEECH PATHOLOGY & AUDIOLOGY. A.B. Brooklyn Col., 48; A.M. Columbia, 58, Ed.D. (speech path., audiol.), 64. Teacher multiple handicapped, Mill Neck Manor Lutheran Sch. Deaf, N.Y. 58-59; lectr. SPEECH, City Col. New York, 60-62; ASSOC. PROF. C.G. POST COL., LONG ISLAND, 62, dir. Jerrold Mark Lodge Mem. Speech & Hearing Center, 64-68. Dir., Rockville Gen. Hearing & Speech Center, N.Y. 61. Consult. Port Washington Pub. Schs., N.Y. 58-60; Indust. Home for Blind, New York, 66-67; Bayview & Fairview Nursing Homes, L.I. 66-70. U.S.N. 43-46, Lt.(jg). Speech & Hearing Assn. (cert.) Audiology; speech science; voice language and speech pathologies. Publ: Principles of phonetic exercise as applied in voice therapy, de Theologia Vocis Eloquiae Acta Otolaryngologica, 8/65; co-auth., General semantics and rhetoric, Today's Speech, 11/66 & Portrait of a speech and hearing center, L.I. Univ. Mag., fall 66. Address: 2 Hilltop Dr., Great Neck, N.Y. 11021.
- GILDSTON, DR. PHYLLIS, b. New York, N.Y., Feb. 14, 31; m. 51; c. 2. SPEECH PATHOLOGY & AUDIOLOGY. A.B. Cornell, 51; M.S. Queens Col., 59; Ph.D. (speech path. & audiol. psychol.), Columbia, 64. Speech & hearing clinician res. & coordinator, Mill Neck Manor, Lutheran Sch. for Deaf, N.Y. 58-59; speech & hearing clinician, part-time, N.Y. League for Hard of Hearing, 59-62; from lectr. to ASST. PROF. SPEECH & SUPVR. CLIN. PRACTICUM, BROOKLYN COL., 63. Adminstr. Prog. in Speech & Hearing Therapy, Garden City Pub. Schs., N.Y. 59-62; lectr. & adj. asst. prof. C.W. Post Col., L.I. Univ., 62-63 & summers, 64-67; asst. prof. speech path. & audiol. & supvr. clinical practicum, Hunter Col., summer, 68. Consulting audiologist, Rockville Gen. Hearing & Speech Center, N.Y. 61-62; Indust. Home for Blind, 66-67; Bayview & Fairview Nursing Homes, L.I. 66-68; AAAS; Speech & Hearing Assn. (certs. 55, 67); N.Y. Acad. Sci. Stuttering and cluttering; speech science; voice, language and speech pathology. Publ: The hard of hearing child in the classroom, Volta Rev., 5/62; co-auth., General semantics and rhetoric, Today's Speech, 11/66; auth., Stutterers' self acceptance

- and perceived parent acceptance, *J. Abnorm. Psychol.*, 2/67. Address: Dept. of Speech Pathology & Audiology, Brooklyn College, Brooklyn, N.Y. 11210.
- GILFILLAN, DR. S. COLUM. Social Science. See A-K Vol. 11th ed. Soc. & Behav. Vols. Change of address: 1301 Ocean Ave., Santa Monica, Calif. 90401.
- GILINSKY, PROF. ALBERTA STEINMAN, b. New York, N.Y., Apr. 6, 18; m. 44; c. 4. *PSYCHOLOGY*. A.B., Smith Coll., 38; M.A., Columbia, 42, Ph.D. (psychol.), 44. Res. psychologist, Langley-Porter Clin. med. sch., California, 45-46; instr. psychol., Tufts, 46-48; Vassar Coll., 48-51; res. assoc. sci. staff, Columbia, 51-53, prin. investr. U.S. Air Force res. grant, 53-55; res. supvr., Kenyon & Eckhardt, Inc., 56-60; res. psychologist, IBM Watson Res. Center, 62-64; assoc. prof. *PSYCHOL.*, BRIDGEPORT, 65-69, PROF., 69. Nat. Sci. Found. res. grant, 67- Fel. AAAS; fel. *Psychol. Assn.*; *Psychonomic Soc.*; *Optical Soc. Am.* Experimental psychology. Publ: Perceived size and distance in visual space, *Psychol. Rev.* 58: 460-482; Orientation-specific effects of patterns of adapting light on visual acuity, *J. Optical Soc. Am.*, 58: 13-18; Interocular transfer of orientational effects, *Science*, 164: 454-455. Address: Dept. of Psychology, University of Bridgeport, Bridgeport, Conn. 06602.
- GILL, DR. HARPAL SINGH. Political Science, Economics. See A-K Vol. 11th ed. Soc. & Behav. Vols. New information: Also coordinator, 69. Dept. of Political Science, Northeastern State College, Tahlequah, Okla. 74464.
- GILL, DR. LYNN EDWARD, b. Traverse City, Mich., June 28, 39; m. 63; c. 1. *MARKETING, BUSINESS LOGISTICS*. B.S., Mich. State, 62; M.B.A., Southern California, 65; Nat. Defense Ed. Act fel., Ohio State, 65-68, Ph.D. (bus.), 68. Mgt. engr., Procter & Gamble Co., summer 61; res. engr., N.Am. Rockwell Corp., 62-64; teaching assoc. prod. mgt., Ohio State, 67; ASST. PROF., MKT., SOUTHERN CALIFORNIA, 68- Consult., McDonnell Douglas Corp., Calif., 68-; Distribution Sys., Inc., 69- Mkt. Asn.; Soc. Traffic & Transportation. Business logistics systems; applications of graph theory to role analysis in interorganizational systems; graph theory application of combinatorics in the economy. Publ: A graph theory interpretation of distribution channel structure, Ohio State Univ., 68; Role and role expectations, In: *Distribution channels*, Houghton, 69; Graph theory models of distribution channel structure, In: *Essays in marketing theory*, Allyn & Bacon, 70. Address: Dept. of Marketing, University of Southern California Graduate School of Business, Los Angeles, Calif. 90007.
- GILL, PROF. ROBERT LEWIS, b. Winnsboro, S.C., Dec. 26, 12; m. 41; c. 2. *POLITICAL SCIENCE*. A.B., Livingstone Coll., 33; M.A., Michigan, 37, Ph.D. (polit. sci.), 42; fel. Hopkins, 47-48, 50-51. Coach & dir. athletics, Livingstone Coll., 34-36; asst. prof. hist. & polit. sci., Lincoln (Mo.), 40-42; PROF., Prairie View Agr. & Mech. Col., 42-45; POLIT. SCI., MORGAN STATE COL., 45- State of Md. Higher Educ. fel. Am. Univ. & Univ. Denver, 50; Monumental Bar Asn. fel., Univ. Md. Sch. Law, 51-53; summers, prof., Atlanta, 46, Texas Southern, 48, Delaware, 65 & Massachusetts, 68. Consult., Dept. Recreation, Baltimore City, 55-; Textbook Pub. Inc., 56-; Title VI Prog., U.S. Off. Ed., 67- U.S.A.A.F., 45-46; Nat. Guard, 46-48; Maj. Asn. Study Negro Life & Hist.; Acad. Polit. Sci.; For. Policy Asn.; Acad. Polit. & Soc. Sci.; American constitutional law and development; Far Eastern governments and politics; American government political theory. Publ: The Omega Psi Phi fraternity and men who made its history 1911-1961, *Journal* & Dettweiler, 62; The legal aspects of the Chinese in the Philippines, *Am. Libr. Asn.*, 66; Shaping the Negro revolution through court decisions 1964-1966, *Teachers J. Human Rel.*, 4th Quarter, 67. Address: Dept. of Political Science, Morgan State College, Baltimore, Md. 21212.
- GILLESPIE, DEAN ALBA M(ELVIN). Political Science. See A-K Vol. 11th ed. Soc. & Behav. Vols. New information: Also dean, 69-; Graduate Studies & Research, Humboldt State College, Arcata, Calif. 95521.
- GILLESPIE, RAYMOND H(OWARD). Statistics, Mathematics. See A-K Vol. 11th ed. Soc. & Behav. Vols. Change of address: Data Processing Division, The Jockey Club, 2216 Young Dr., Lexington, Ky. 40503.
- GILLESPIE, DR. ROBERT V. b. Ft. Wayne, Ind., Feb. 1, 35; m. 59; c. 2. *AUDIOLOGY, PSYCHOACOUSTICS*. B.S., Ball State, 57; M.S., Western Reserve, 59; Ph.D. (audiol.), Iowa, 64. ASST. PROF. AUDIOL. UNIV. PITTSBURGH & DIR. AUDIOL. SPEECH & PSYCHOL. CLIN. MERCY HOSP., 64- Acoustical Soc. Am.; Speech & Hearing Asn. Address: 129 Rawlins Run Rd., Pittsburgh, Pa. 15238.
- GILLILAND, DR. ROBERT M. b. Galveston, Tex., Jan. 16, 21; m. 44; c. 2. *PSYCHIATRY, PSYCHOANALYSIS*. B.A., Texas, 41, M.D., 45. Resident physician psychiatrist, Vet. Admin. Hosp., Waco, Tex., 46-48; med. br., Texas, 48-49; private practice psychiatrist & psychoanal., 49-64; ASSOC. PROF. PSYCHOL. COL. MED. BAYLOR, 64- Consult., Waco Ment. Hyg. Clin., 46-48; Ment. Hyg. Clin., Lafayette, La., 49-50; Baton Rouge Hsg. Center, 50-52; psychiatrist, consult., Miss. Dept. Pub. Welfare, 55-59; consult. sch. med., Tulane, 55-64; vis. physician, Charity Hosp., New Orleans, 60-64; consult., Hedgescroft Hosp., Houston, Tex., 65- Psychoanal. Asn.; fel. Psychiat. Asn.; Int. Psychoanal. Asn. Address: Dept. of Psychiatry, Baylor College of Medicine, 1200 Moursund Ave., Houston, Tex. 77025.
- GILLIS, DR. JOHN S(IMON). Psychology. See A-K Vol. 11th ed. Soc. & Behav. Vols. New position & address: Lectr., 69-; Dept. of Psychology, Australian National University, Canberra, A.C.T., Australia 2800
- GILLIS, DR. STEPHEN MALCOLM, b. Dothan, Ala., Dec. 28, 40; m. 62; c. 2. *ECONOMICS*. B.A., Florida, 62, M.A., 63; Midwest Univ. Consortium summer fel., 67; Duke Univ. Res. Coun. grant, 67-68; Ph.D. (econ.), Illinois, 68. Asst. prof. ECON., Duke, 67-69; LECTR., HARVARD & RES. ASSOC., HARVARD LAW SCH. & DEVELOP. LEAD. SERV., 69- Res. staff economist, Colombian Cnna. Tax Reform, Bogota, 68. Spec. short term summer assr., Ministry Finance, Ecuadorian Govt., 68; summer consult., Nat. Planning Dept., Govt. Colombia, 69. Econ. Asn. Nat. Tax Asn. Public finance, particularly
- taxation and theory of public expenditures; tax reform in developed and developing economies; theory and practice of growth and development. Publ: Ed. Fiscal reform for Colombia, *Int. Tax Prog.*, Harvard, (in press); auth. Sales tax reform & Reform of municipal indirect taxes, service taxation and stamp duties, In: *Fiscal reform for Colombia*, *Int. Tax Prog.*, Harvard, (in press). Address: Dept. of Economics, Harvard University, Cambridge, Mass. 02138.
- GILMORE, DR. STUART I., b. New York, N.Y., July 24, 30; m. 50; c. 5. *SPEECH PATHOLOGY, AUDIOLOGY*. A.B., State Univ. N.Y. Albany, 50, M.A., 51; Ph.D. (speech), Wisconsin, 62. Instr. speech, Talladega Coll., 51-53; dir. Speech & Hearing Clin., Columbia, S.C., 54-60; asst. prof. speech path., med. sch., Vanderbilt, 60-62; SPEECH, Wisconsin, 62-65; ASSOC. PROF., LA. STATE, BATON ROUGE, 65-68; Consult., La. State Ed. Bd. of Health & Dept. of Ed., 65- Speech & Hearing Asn.; Cleft Palate Asn.; Acad. Aphasia. Somatopsychology of speech disorders; factors affecting articulatory development in children. Publ: Rehabilitating laryngectomies, *Am. J. Nursing*, 61; co-auth. Incidence and related factors in cleft palate births, *Cleft Palate J.*, 66 & Race, rural urban residence, socioeconomic level and responses to articulation test stimuli, *South. Speech J.*, 67. Address: Room 217, Medical & Dental Administration Bldg., Louisiana State University, Baton Rouge, La. 70803.
- GILSON, DR. JOHN F(RANCIS). Educational Psychology. See A-K Vol. 11th ed. Soc. & Behav. Vols. Change of address: Fordham University, Loyola Hall, Bronx, N.Y. 10458.
- GILSTER, LT. COL. HERMAN L., U.S.A.F. b. Danville, Ill., Mar. 11, 30; m. 57; c. 3. *ECONOMICS*. B.S., U.S. Mil. Acad., 53; M.B.A., Denver, 57; M.P.A., Harvard, 65, Ph.D. (econ.), 68. U.S. Air Force, 53-59, instr. econ. U.S. Air Force Acad., 63-64, assoc. prof., 67-69, DEPT. OF STAFF ANALYST COMBAT OPER. HQ. 7TH AIR FORCE, SAIGON, 69- Consult., Dep. Chief of Staff, Hq. Air Force, 67-69. Economet. Soc.; Econ. Asn. Labor-capital trade-offs in military aircraft maintenance; air crew productivities. Publ: A dynamic decision model for arms procurement, In: *Papers in quantitative economics*, Univ. Kansas, 68; Let's stop using labor as a free good, *Am. Univ. Rev.*, 69; A combat crew production function, *U.S. Air Force Acad. Tech. Report*, 69. Address: Dept. of Economics & Management, U.S. Air Force Academy, Colo. 80840.
- GINMAN, DR. PETER J., b. Springfield, Mass., Jan. 4, 37; m. 58; c. 1. *ECONOMICS*. B.A., American Univ., 62; M.A., Mich. State, 64, Ph.D. (econ.), 69. ASST. PROF. ECON., BOSTON, 66- Lectr., Emmanuel Col. (Mass.), 68- U.S.M.C., 54-59, Soc. Am. Econ. Asn.; Royal Econ. Soc. International economics, effect of uncertainty under flexible and pegged exchange rates; improvements in conventional elasticity estimations in international trade; use of tariffs as antitrust policy tools. Address: Dept. of Economics, Boston University, Boston, Mass. 02215.
- GINSBURG, PROF. BENSON E(ARL). Genetics. See D-G Vol. & Suppl. V & VI to 11th ed. Phys. & Biol. Vols.
- GINSBURG, DR. HERBERT PAUL, b. New York, N.Y., Sept. 26, 39; m. 61; c. 3. *PSYCHOLOGY*. B.A., Harvard, 61; M.A. & Ph.D. (psychol.), North Carolina, Chapel Hill, 65. Asst. prof. CHILD DEVELOP., CORNELL, 65-69, ASSOC. PROF., 69- Res. grants, Nat. Inst. Ment. Health, 66-67; U.S. Off. Ed., 67- Psychol. Asn.; Soc. Res. Child Develop. Intellectual development. Publ: Co-auth. Piaget's theory of intellectual development, Prentice-Hall, 69. Address: Dept. of Child Development, Cornell University, Ithaca, N.Y. 14850.
- GINSBURG, DR. NORMAN M(ORA). Psychology. See A-K Vol. 11th ed. Soc. & Behav. Vols. New position & address: Assoc. prof., 69-, Lakehead University, Port Arthur, Ont., Can.
- GIOLAS, DR. THOMAS G. b. Chicago, Ill., Jan. 23, 33; m. 60; c. 2. *SPEECH PATHOLOGY, AUDIOLOGY*. B.S., Indiana, 54, M.A., 56, Ph.D. (audiol.), Pittsburg, 60. Asst. prof. hearing, Alabama, 59-63, assoc. prof., 63-67, co-dir. speech & hearing clin., 63-66, dir., 66-67; ASSOC. PROF. HEARING, CONNECTICUT, 68- Univ. Kansas, Bur. Child Res. fel. 67-68. Speech & Hearing Asn.; Acad. Rehab. Audiol. Speech intelligibility; measurement of hearing handicap; motivation and lipreading ability. Publ: Comparative intelligibility scores of word tests and continuous discourse, *J. Speech & Hearing Res.*, 63; Comparative intelligibility scores of sentence lists and continuous discourse, *J. Auditory Res.*, 66; Effectiveness of the social adequacy index, *J. Speech & Hearing Disorders*, 66. Address: Dept. of Speech, University of Connecticut, Storrs, Conn. 06268.
- GIOVINETTO, DR. MARIO BARTOLOME. Climatology, Glaciology. See Suppl. V & VI to 11th ed. Phys. & Biol. Vols.
- GIPSON, DR. MARTIN T., b. Long Beach, Calif., June 27, 37; m. 63. *PSYCHOLOGY*. A.B., Chico State Col., 59; Illinois, 59-61; Ph.D. (psychol.), Vanderbilt, 66. ASST. PROF. PSYCHOL. UNIV. OF THE PACIFIC, 65- AAAS. Attentional processes in discrimination learning; learning processes in deviant behavior phenomena; genetic control of learning. Address: Dept. of Psychology, University of the Pacific, Stockton, Calif. 95204.
- GIRARD, DR. JACQUES, b. Verdun, Que., May 11, 31; m. 57; c. 4. *GEOGRAPHY*. B.A., Montreal, 53, M.A., 55, Ph.D. (geog.), 69. Geogr. Econ. Geogr. Serv. Prov. Que. Govt., 57-60, interim dir., 60-61; chief geog. sect., Econ. Res. Bur. DEPT. INDUST. & COMMERCE, QUE. 61-64, regional studies dir., 64-69, interim dir. Econ. Res. Bur., 69- DIR. REGIONAL STUDIES SERV., 69- CMNR. Geogr. CMNR. PROF. QUE., 67- Lectr., St. Denis & St. Victoire Coll., 58-60; Univ. Montreal, 59-61. Mem. Nat. Adv. Cmt. Geogr. Res. Can., 70-73. Asn. Am. Geogr. Can. Asn. Geogr. Manufacturing geography and regional planning, especially concerning the Province of Quebec; administration. Publ: Atlas of Quebec: 1. Agriculture, 2. Population, 3. Industrial activities, 4. Tertiary sector, *Govt. Que.*, 65-68; co-auth. Quebec division in administrative regions and subregions, 66 & Les p6les d'attraction du Qu6bec et leurs zones d'influence, 67, *Govt. Que.* Address: 365 Montagne, Beauville, Que., Can.

- GRINDT, DR. HELMUT. Philosophy. See Suppl. I to 5th ed, Dir. Am. Scholars.
- GRIVETZ, PROF. HARRY K(ENNETH). Philosophy. See 5th ed, Dir. Am. Scholars, Vol. IV, Philos, Relig. & Law.
- GIST, PROF. RONALD RALPH, b. St. Louis, Mo, May 15, 32; m. 53; c. 4. MARKETING, MANAGEMENT. B.S. Missouri, 58, M.S. 59; Ph.D.(mkt, econ), Illinois, 64. Asst. prof. mkt, Missouri, 63-64; Southern California, 64-66; assoc. prof. Oregon State, 66-67; Nebraska, 67-69; BEAUMONT PROF. MKT. & MGT. DENVER, 69. Univ. Southern California res. grant, 65-66. Mem. Advert. Res. Found. Sig. C. U.S.A. 54-55. Mkt. Assn. Business and economic research, including product development and testing, advertising, location and consumer behavior. Publ: Management perspectives in retailing, 67 & Retailing: concepts and decisions, 68, John Wiley & Sons; Marketing and society, Holt, Vol. I & II, 70. Address: Dept. of Marketing and Management, University of Denver College of Business Administration, Denver, Colo. 80201.
- GITELMAN, PROF. MORTON. Law. See 5th ed, Dir. Am. Scholars, Vol. IV, Philos, Relig. & Law.
- GITHENS, DR. WILLIAM HARVEY. Industrial Psychology. See A-K Vol, 11th ed, Soc. & Behav. Vols. New information: Vis. prof. indust. psychol, U.S. Naval Postgrad. Sch, 69- Address: 833B Sinex, Pacific Grove, Calif. 93950.
- GITTER, DR. A. GEORGE. Social Psychology, Communications. See A-K Vol, 11th ed, Soc. & Behav. Vols. New information: Also chmn, 69-, Communications Research Division, Boston University, 640 Commonwealth Ave, Boston, Mass. 02215.
- GLADE, PROF. FREDERIC H, JR. Economics. See A-K Vol, 11th ed, Soc. & Behav. Vols. New information: Adj. prof. mkt, American Univ, 69-, dir. div, bus, Hopress: Johns Hopkins University, Homewood Campus, 33rd & N. Charles St, Baltimore, Md. 21218.
- GLADIS, DR. MICHAEL. Psychology. See A-K Vol, 11th ed, Soc. & Behav. Vols. Change of address: Dept. of Educational Psychology, University of Pittsburgh, 617 C.E., Pittsburgh, Pa. 15213.
- GLADSTONE, ARTHUR (ISAIAH). Psychology. See A-K Vol, 11th ed, Soc. & Behav. Vols. Change of address: San Francisco Gestalt Therapy Institute, 2678 California St, San Francisco, Calif. 94115.
- GLADSTONE, DR. ROBERT JAY. Operations Research, Applied Mathematics. See Suppl. V to 11th ed, Phys. & Biol. Vols.
- GLADWIN, DR. THOMAS. Anthropology. See A-K Vol, 11th ed, Soc. & Behav. Vols. New position & address: Vis. prof, 69-, Dept. of Anthropology, University of Hawaii, 2550 Campus Rd, Honolulu, Hawaii 96822.
- GLANZ, DR. EDWARD COLEMAN. Guidance, Psychology. See A-K Vol, 11th ed, Soc. & Behav. Vols. New position: Pres, Southampton Col, 69- Address: Atterbury Rd, Southampton, N.Y. 11968.
- GLASER, PROF. DANIEL. Sociology. See A-K Vol, 11th ed, Soc. & Behav. Vols. New position & address: Prof. sociol, 70-, Dept. of Sociology & Anthropology, University of Southern California, University Park, Los Angeles, Calif. 90007.
- GLASNER, DR. DANIEL M(AYER), b. Uniontown, Pa, Mar. 20, 40; m. 58; c. 2. ORGANIZATION PSYCHOLOGY. B.A. Hopkins, 60; M.S. Purdue, 62, Ph.D.(indust. psychol), 63. Indust. psychologist, Eli Lilly & Co, 63-65, dept. head personnel develop, 65-66; assoc. EDWARD N. HAY & ASSOCs, 67-68, prin, 68-69, SR. PRIN, 69-. Psychol. Assn; Soc. Training & Develop. Factors affecting human effectiveness in organizational settings; relationships between individual and organizational effectiveness. Publ: Co-auth, Development of bank management personnel, Am. Bankers Assn, 69; auth, Why management development goes wrong, Personnel J, 9/68; Patterns of management by results, Bus. Horizons, 2/69. Address: c/o Edward N. Hay & Associates, 1845 Walnut St, Philadelphia, Pa. 19103.
- GLASS, DR. DAVID C(ARTER). Social Psychology. See A-K Vol, 11th ed, Soc. & Behav. Vols. Change of address: Dept. Psychology, New York University, 4 Washington Place, New York, N.Y. 10003.
- GLASSMAN, DR. ROBERT BRUCE. Physiological Psychology. See Suppl. VI to 11th ed, Phys. & Biol. Vols.
- GLAZER, PROF. NATHAN. Sociology. See A-K Vol, 11th ed, Soc. & Behav. Vols. New position & address: Prof. ed. & soc. structure, 69-, Harvard University, 24 Garden St, Cambridge, Mass. 02138.
- GLAZER, DR. WALTER STIX. American Social & Urban History. See 5th ed, Dir. Am. Scholars, Vol. I, Hist.
- GLEASON, DR. GERALD THOMAS. Educational Psychology. See A-K Vol, 11th ed, Soc. & Behav. Vols. New position: Spec. asst. to chancellor, 68-, University of Wisconsin-Milwaukee, Chapman Bldg. 112, Milwaukee, Wis. 53201.
- GLÉN, PROF. ROBERT S. Psychiatry. See A-K Vol, 11th ed, Soc. & Behav. Vols. New position: Prof, 68-, Dept. of Psychiatry, Southwestern Medical School, University of Texas, Dallas, Tex. 75235.
- GLENDENING, DR. PARRIS N(ELSON), b. Bronx, N.Y., June 11, 42. POLITICAL SCIENCE, URBAN AFFAIRS. B.A. Fla. State, 64, M.A., 65, Ph.D.(govt), 67. ASST. PROF. GOVT. & POLIT, MARYLAND, 67- Wash. Center Metrop. Studies fel, 68-70. Mem. exec. cmt. Univ. Md. Coun. Urban Studies & Prince George's County Goals Cmt, 68; mem. coun. inst. Urban affairs. Polit. Sci. Asn. Acad. Polit. Sci.; Soc. Pub. Admin; Int. Polit. Sci. Asn. Urban affairs; simulation and gaming; intergovernmental relations. Publ: Co-auth, Controversies of state and local political systems, Allyn & Bacon, 70; Local government reorganization, Fla. State Univ. Govt. Res. Bull, 68. Address: P.O. Box 313, College Park, Md. 20740.
- GLICK, DR. EDWARD MAURICE, b. Cleveland, Ohio, May 23, 20; m. 46; c. 2. POLITICAL SCIENCE, MASS COMMUNICATIONS. B.A., Ohio State, 43, Ph.D.(polit. sci), 60; M.A. Western Reserve, 47. Pub. officer, U.S. Dept. State, 51-53; asst. chief pub. & reports, Off. Voc. Rehab, Dept. Health, Ed. & Welfare, 54-55; chief pub. & reports, Nat. Inst. Neurol. Diseases & Blindness, 55-57; pres. Glisan Corp, D.C. 57-60; prof. journalism, American Univ, 62-63; polit. sci, George Washington, 63-64; Univ. Maryland, 64-65; MANAGING DIR, AM. INST. POLIT. COMMUN, WASH, D.C. 65- Consult, U.S. Pub. Health Serv, 59-60; U.S. Senate Judiciary Cmt, 63-64; Coun. for TV Develop, 66-67. Spec. correspondent, Times of London, 60-62. U.S.A. 43-45. Communication as it relates to development and dissemination of political data and to the impact of such data on the public mind. Publ: The new methodology: study of political strategy and tactics, 67, co-auth, The Federal Government-daily press relationship, 67 & auth, Media and non-media effects on formation of public opinion, 69, Am. Inst. Polit. Commun. Address: 7106 Amy Lane, Bethesda, Md. 20034.
- GLICK, DR. OREN. Social Psychology. See A-K Vol, 11th ed, Soc. & Behav. Vols. New position & address: Asst. prof, 69-, Seattle Univ, Seattle, Wash. 98122.
- GLICKMAN, PROF. HARVEY. Political Science. See A-K Vol, 11th ed, Soc. & Behav. Vols. New position: Prof, 69-, Dept. of Political Science, Haverford College, Haverford, Pa. 19041.
- GLICKSTEIN, DR. ARTHUR FOSTER. Clinical Psychology. See A-K Vol, 11th ed, Soc. & Behav. Vols. New information: Practicing clin. psychol, 69- Address: 160 Newton Rd, Elmwood, Conn. 06510.
- GLOBUS, DR. ALBERT. Neuroanatomy, Neurophysiology. See Suppl. V to 11th ed, Phys. & Biol. Vols.
- GLOFKA, DR. PETER THOMAS, b. Wilkes-Barre, Pa, Dec. 25, 26; m. 51; c. 2. GUIDANCE, COUNSELING. B.S.Ed, Mansfield State Col, 51; M.S.Ed, St. Bonaventure, 58; Nat. Defense Ed. Act fel. & Ed.D.(guid), Illinois, 66. Teacher, Montrose Consol. Schs, 51-54; Allegany Cent. Sch, 57, 60-61; ASSOC. PROF. COUNSEL. ED, WIS. STATE, OSHKOSH, 66- Summer vis. prof. St. Bonaventure, 65; Illinois, 66. Psychol. Assn; Personnel & Guid. Assn; Asn. Couns. Ed. & Supv. Parent and child attitudes concerning four areas of development: role and function of elementary and junior high school counselors; group counseling and techniques with various groups. Publ: Co-auth, Guidance needs in the elementary school—cue to preparation of counselors, Couns. Ed. & Supv, fall 67, A comparison of self-concept of senior nursing students participating in group therapy with a similar group of non-participating nursing students, Nursing Res, 10/68 & Group counseling with university students on academic progression, Col. Student Personnel Abstracts, 1/70. Address: Dept. of Counselor Education, Wisconsin State University, Oshkosh, Wis. 54901.
- GLOGOW, DR. ELI, b. Brooklyn, N.Y., Mar. 9, 24; m. 46; c. 2. PUBLIC HEALTH ADMINISTRATION. B.S. California, Los Angeles, 49. Dr. P.H. (pub. health ed, mkt. care orgn), 68; M.P.H. California, Berkeley, 51. Pub. health sanitarian, Oakland Health Dept, 49-50; health ed. field rep, Los Angeles County Tuberc. Asn, 51-54; supvr. health ed, San Francisco Tuberc. Asn, 54-55; pub. health educator & asst. dir, Los Angeles City Health Dept, 55-64; ASSOC. PROF. HEALTH SERV. ADMIN. & COMPREHENSIVE HEALTH PLANNING, SOUTHERN CALIFORNIA, 68- Vis. faculty mem., West. Center Continuing Ed, Univ. California Exten, 68- Consult, Vet. Admin. Hosp, White Mem. Med. Center & Cedars Sinai Hosp, Los Angeles, 68- U.S.A. 43-46. Pub. Health Assn. Staff and organization development; health services administration; health education. Publ: Plant sanitation and microbiology of frozen foods, Sanitarian, 5-6/50, Nurses use the group process, Adult Leadership, 10/54 & Effects of health education methods on appointment-breaking, Health Reports, 6/70. Address: University of Southern California School of Public Administration, University Park, Los Angeles, Calif. 90007.
- GLOS, PROF. (RAYMOND) EUGENE. Finance, Accounting. See A-K Vol, 11th ed, Soc. & Behav. Vols. New information: Retired, 69. Address: 110 E. Spring St, Oxford, Ohio 45056.
- GLOVER, DR. ROBERT SPICER. Agricultural Economics. See A-K Vol, 11th ed, Soc. & Behav. Vols. New position & address: Mkt. develop. specialist, 68-, Cooperative Extension Service, Coliseum, University of Georgia, Athens, Ga. 30601.
- GLUCK, DR. SAMUEL E. Social & Political Philosophy. See 5th ed, Dir. Am. Scholars, Vol. IV, Philos, Relig. & Law.
- GLUECK, DR. WILLIAM F., b. Cincinnati, Ohio, Dec. 24, 34; m. 58; c. 4. MANAGEMENT. B.S. Xavier, 56, M.B.A. 63; Ph.D.(bus. admin), Mich. State, 66. Sales mgr, Frank Glueck & Co, 58-63; instr. mgt, Mich. State, 63-64, asst. to dean grad. prog, bus, 64-66; asst. prof. MGT, Texas A&M, 66-68; ASSOC. PROF. MISSOURI-COLUMBIA, 68- PROG. DIR. ADMIN, BUS. & PUB. ADMIN. CENTER & FACULTY RES. ASSOC, SPACE SCI. RES. CENTER, 69- NASA fel, 69- U.S.A. 56-58, 1st Lt. Acad. Mgt; Inst. Mgt. Sci; Indust. Rels Res. Asn. Organization and administration of large work organizations, especially businesses, hospitals, universities and government, with emphasis on organization structure and environment, organization change and personnel and employee relations in these organizations. Publ: Hemisphere west: el futuro, Bur. Bus. Res. Univ. Texas, 68; Management of scientific research: bibliography, Res. Center, Univ. Missouri, 70; Organization planning and development, Am. Mgt. Asn., 70. Address: 110 Business & Public Administration Bldg, University of Missouri-Columbia, Columbia, Mo. 65201.

- GLUSKINOS, DR. URY M. b. Amsterdam, Netherlands, Aug. 24, 35; m. 64. PSYCHOLOGY. B.Sc., Suffolk, 64; fel. Utah, 66-67; M.A., 67, Ph.D.(psychol.), 68. Sr. technician, Faraday Electronics Co., 57-58; Baird-Atomic, Inc., 60-64; res. asst. PSYCHOL., Utah, 64-65; assoc. res. dir., 65-67; ASST. PROF., TEMPLE, 67- Psychol. consultant for Job Corps, Thiolok Chem. Corp., 67; chief training consult. VISTA-Midatlantic Training Center, 67-70. Sig.C. Israeli Defense Army, 53-57, S/Sgt. Psychol. Asn. Organizational analysis and management development; personnel selection. Publ: A selection and evaluation procedure for operating room personnel, J. Appl. Psychol., 70. The satisfaction of needs in T-groups, J. Appl. Behav. Sci., 70 & Managers and union leaders perception of employee needs, Personnel Psychol., 70. Address: Dept. of Psychology, Temple University, Philadelphia, Pa. 19122.
- GNANADESIKAN, DR. MRUDULLA. Mathematical Statistics. See Suppl. V to 11th ed, Phys. & Biol. Vols.
- GODDARD, DR. GRAHAM V (VALENTINE). Psychological Psychology. See A-K Vol, 11th ed, Soc. & Behav. Vols. New position & address: Assoc. prof. 69-, Dept. of Psychology, Dalhousie University, Halifax, N.S., Can.
- GODFREY, DR. WILLARD H. JR. b. Salt Lake City, Utah, Jan. 10, 38; m. 62; c. 2. ECONOMICS. B.S., Brigham Young, 63; M.S., Arizona, 65; Ph.D.(econ), Montana State, 69. Asst. prof. econ. & bus., Cent. Wash. State Col., 69-70; ASSOC. PROF. BUS., BOISE STATE COL., 70. Consult. Island Park Sporting Goods, 66 - co-chmn. prof. 51, West. Mkt. Res. Coun., 67-68; nat. dir., Fedn. Fly Fishermen, 69-; Agr. Econ. Assn. Mkt. Asn. Marketing sugar; dairy products; regional economic development - central Washington; environmental work, fishery management, water and conservation. Publ: Co-auth, Economic study of the Montana beet sugar industry, 69 & Cost and returns for irrigated crops in Montana, 69, Montana State Univ. Address: 1912 Parklane, Ellensburg, Wash. 98926.
- GODIN, DR. VICTOR BARRY. b. New York, N.Y. Sept. 22, 41. SYSTEMS & OPERATIONS ANALYSIS. A.B. Columbia Col., 62; B.S., Columbia, 63; S.M., Mass. Inst. Tech., 65; Ford Found. fel. Harvard, 67-68, D.B.A., 69. ASST. PROF. MGT. RENNELAER POLYTECH. INST., 68. Prnl. consult. W.Ya. Pulp & Paper Co., 63-66; consult. Diebold Group, Inc., 69. Sr. mem. Indust. Inst. Eng. Inst. Mgt. Sci. Asn. Comput. Mach. Design and installation of interactive man-computer systems for improving decision making. Publ: Co-auth, The interactive shop supervisor, Indust. Eng., 11/69. Address: Dept. of Management, Rensselaer Polytechnic Institute, Troy, N.Y. 12181.
- GODOY, HORACIO HERMES. b. Mendoza, Argentina, Dec. 23, 25; m; c. 6. POLITICAL SCIENCE. A.B. & LL.B. La Plata, 49; LL.M., Yale, 60. Prof. polit. sci., Center Cath. Ed. La Plata, Argentina, 53-55; asst. prof. law, La Plata, 58-59; adv. Orgn. Am. States Inter-Am. Develop. Bank, Econ. Cmn. for Latin Am. & Harvard Joint Tech. Prog. for Latin Am., 61; legal adv. Int. Cmn. Jurists, 63-65; chief adv. & coord. group, Inter-Am. Develop. Bank, 63-65; UNESCO EXPERT ORGN. & DIRECTION, LATIN AM. SCH. POLIT. SCI. & PUB. ADMIN. SANTIAGO, 65- Prof. La Plata Col., 58-59; lectr. Cath. Inter-Am. Coop. Prog., 67, 68; res. dir., World Order Model for Year 2,000, 68; promoter & exec. dir. Action Cmn. Latin Am. Integration. Tech. adv. first meeting, Latin Am. Parliament, 64, secy. gen., 65; adv. Episcopal Latin Am. Coun., 66. Soc. Int. Law Inter-Am. Bar Assn. Institution building; international relations; Latin American integration. Publ: The rule of law in Cuba, 62; co-auth, Social progress trust fund report 1963-64, 63-64. Address: Casilla 3213, Santiago, Chile.
- GOEBEL, SISTER MARISTELLA. Psychology. See A-K Vol, 11th ed, Soc. & Behav. Vols. New information: Also chmn., 69-, Dept. of Psychology, Rosary College, River Forest, Ill. 60305.
- GOEL, DR. NARENDRA SWARUP. Biophysics, Chemical Physics. See Suppl. V to 11th ed, Phys. & Biol. Vols.
- GOELZ, DEAN PAUL (CORNELIUS). Economics. See A-K Vol, 11th ed, Soc. & Behav. Vols. New information: Vis. lectr. Army Mgt. Eng. Training Agency, U.S. Dept. Defense, 67- Address: School of Business, St. Mary's University, San Antonio, Tex. 78228.
- GOERTZEL, DR. TED (GEORGE). b. Visalia, Calif., Nov. 20, 42; m. 62; c. 2. SOCIOLOGY. B.A., Antioch Col., 64; M.A., Washington (St. Louis), 66, Ph.D. (sociol.), 70. ASST. PROF. SOCIOL., OREGON, 68. Sociol. Asn. Political sociology, including student political behavior; social stratification; developing societies. Publ: MEC-USAD: ideologia de desenvolvimento Americano..., Rev. Brasileira Sociologia, 6/67 & A note on status crystallization and urbanism, Soc. Forces, 9/70. Address: Dept. of Sociology, University of Oregon, Eugene, Ore. 97403.
- GOETZ, PROF. BILLY E (ARL). Industrial Management. See A-K Vol, 11th ed, Soc. & Behav. Vols. New position: Vis. prof. acct., 69-, Florida Atlantic University, Boca Raton, Fla. 33432.
- GOETZINGER, PROF. CORNELIUS P. b. Baltimore, Md., Feb. 10, 11; m. 42; c. 2. AUDIOLOGY. B.S., Washington (St. Louis), 41; M.A., Gallaudet Col., 43; M.A., California, Berkeley, 50; Ph.D. (audiol), Northwestern, 55. Teacher & physiotherapist clin. Cer. Inst. Deaf, St. Louis, Mo., 41-43; audiologist & psychologist, Calif. Sch. Deaf, Berkeley, 43-50; asst. prof. AUDIOL. MED. CENTER, KANSAS, 53-56, assoc. prof., 56-60, PROF., 60-, DIR. AUDIOL. CLIN., 56- Psychologist, Kans. Sch. Deaf, Olathe, 55-; Nat. Insts. Health res. grant hearing in aged, 59-60, bone conduction, 67-69. Consult. Menorah Hosp., Kansas City, Mo., 55-67; Vet. Admin. Hosp., Kansas City, 55-67; Meningers Hosp., Topeka, Kan., 66-69. Mem., Nat. Hearing Res. Comm. Sci. Study Sect., 66-69. Fel. Speech & Hearing Asn.; Alexander Graham Bell Asn. for Deaf. Psychology of the deaf. Publ: Co-auth, Auditory discrimination and visual perception in good and poor readers. Am. Otol. Rhinol. & Laryngol., 69; 121-138, A study of hearing in advanced age. Arch. Otolaryngol., 73; 562-674, Audiological assessment in acoustic tumors and cortical lesions, Ear, Nose & Throat Monthly, 6/65; plus others. Address: Audiological Clinic, Dept. of Otolaryngology, University of Kansas Medical Center, 39th & Rainbow, Kansas City, Kans. 66103.
- GOFF, DR. REGINA MARY. b. St. Louis, Mo., Aug. 6, 17; m. 60. PSYCHOLOGY. B.S., Northwestern, 36; M.A., Columbia, 40, Rockefeller fel., 45-47, Ph.D. (psychol.), 48. Instr. early childhood ed, Lincoln (Mo.), 40-47; asst. prof. elem. ed, Stowe Teachers Col., 47-48; prof. child develop. Fla. Agr. & Mech. Col., 48-49; state superv. elem. ed, Fla. State Dept. Ed., 49-50; prof. ed. psychol., Morgan State Col., 50-60, chmn. dept. ed., 60-65; ASST. CMNR, U.S. OFF. ED., 65- Consult. clin. child psychiatrist, Johns Hopkins Univ. Hosp., 52-55; Ministry Ed. Iran, Int. Coop. Admin., 55-57. Psychol. Asn. Int. Soc. Psychol. Publ: Co-auth, Negro education in America, Harper, 62, The difficult child, Philips. Library, 63 & Racial crisis in American education, Follett Ed. Corps, 69. Address: U.S. Office of Education, 400 Maryland Ave. S.W., Washington, D.C. 20202.
- GOFFMAN, PROF. ERVING. Sociology. See A-K Vol, 11th ed, Soc. & Behav. Vols. Change of address: Dept. of Sociology, University of Pennsylvania, Philadelphia, Pa. 19104.
- GOGGIN, DR. JUDITH PAGE. b. El Paso, Tex., Dec. 10, 34. PSYCHOLOGY. B.A., Bryn Mawr Col., 56; Ph.D. (psychol.), California, Berkeley, 64. Nat. Sci. Found. fel. PSYCHOL. Michigan, 64-65, asst. prof., 65-69; ASSOC. PROF., TEXAS, EL PASO, 69- AAAS; Psychol. Asn. Human learning and information processing. Publ: Retroactive and proactive inhibition in the short-term retention of paired associates, 66 & First-list recall as a function of second-list learning method, 67, J. Verbal Learning & Verbal Behavior. Retroactive inhibition as a function of different patterns of interpolated lists, J. Exp. Psychol., 68. Address: Dept. of Psychology, University of Texas at El Paso, Box 180, El Paso, Tex. 79999.
- GOLDBACH, DR. JOHN C. b. Toledo, Ohio, July 24, 30; m. 67; c. 1. POLITICAL SCIENCE. A.B., Loyola (Calif.), 52; M.A., Southern California, 55; Ph.D. (polit. sci.), Claremont Grad. Sch., 64. ASST. PROF. POLIT. SCI., San Fernando Valley State Col., 64-67; WISCONSIN-MILWAUKEE, 67- Polit. Sci. Asn; Nat. Munic. League. Politics of urban planning and land use. Publ: California's struggle over incorporations, Pub. Admin. Rev., 9/67; co-auth, The urban planning and urban affairs Asn., 69; auth. Plato, Aristotle & Metropolis, West. Polit. Quart., 3/70. Address: Dept. of Political Science, University of Wisconsin-Milwaukee College of Letters & Science, Milwaukee, Wis. 53201.
- GOLDBERG, DR. FAYE GIRSH. Psychology. See A-K Vol, 11th ed, Soc. & Behav. Vols. New position: Assoc. prof. psychol. & acting chmn. dept. Morehouse Col., 69- Address: 317 Hertford Circle, Decatur, Ga. 30030.
- GOLDBERG, DR. IRVING AARON. Experimental & Industrial Psychology. See A-K Vol, 11th ed, Soc. & Behav. Vols. New position: Exec. v.p.res., Praxis Corp., 69- Address: 135 Central Park West, New York, N.Y. 10023.
- GOLDBERG, PROF. IRWIN. Sociology. See A-K Vol, 11th ed, Soc. & Behav. Vols. New position: Prof. & chmn., Dept. of Sociology, Grinnell College, Grinnell, Iowa 50112.
- GOLDBERG, DR. ISADORE. Educational Psychology. See A-K Vol, 11th ed, Soc. & Behav. Vols. New position: Dep. dir. Wash. center, Comput. Appln. Inc., 69- Address: 840 Loxford Terr., Silver Spring, Md. 20901.
- GOLDBERG, PROF. JANICE BETTY. b. Baltimore, Md., Apr. 10, 25. PSYCHOLOGY. EDUCATION. A.B., Wisconsin, 47; A.M., Chicago, 61; Ed.D. (ed. psychol.), Harvard, 65. Asst. prof. ed. psychol., Morgan State Col., 64-65, assoc. prof., 65-66; PSYCHOL., MARYLAND, 66-69, PROF., 69- Consult. State Dept. Ment. Hyg., Md., 66-70. Psychol. Asn; Ed. Res. Asn. Social psychology; psychopharmacology; psychometrics applicable to retarded children. Publ: Influence of pupils attitudes on teachers' behaviors and on consequent school work, J. Ed. Psychol., 68; co-auth, Dilantin treatment of hospitalized cultural-familial retardates, J. Nervous & Ment. Disease, 70 & Benzocaine treatment of hospitalized cultural-familial retardates, J. Clin. Pharmacol., 70. Address: 5401 Wilkens Ave., Baltimore, Md. 21209.
- GOLDBERG, DR. LEWIS (ROBERT). Psychology. See A-K Vol, 11th ed, Soc. & Behav. Vols. New position: Prof. psychol., Oregon, 68- Address: 2599 Birch Lane, Eugene, Ore. 97403.
- GOLDBERG, MELVIN (ARTHUR). Economics, Social Statistics. See A-K Vol, 11th ed, Soc. & Behav. Vols. New position & address: Pres., 69-, Melvin A. Goldberg Inc., 122 E. 42nd St., New York, N.Y. 10017.
- GOLDBERG, DR. PHILIP LIONEL. Psychology. See A-K Vol, 11th ed, Soc. & Behav. Vols. New information: Retired, 68. Address: 1412 Rustic Dr., Asbury Park, N.J. 07712.
- GOLDBERGER, DR. L (EO). Psychology. See A-K Vol, 11th ed, Soc. & Behav. Vols. Change of address: 1 Washington Square Village, New York, N.Y. 10012.
- GOLDBERGER, DR. MICHAEL ERIC. Experimental Neurology. See Suppl. VI to 11th ed, Phys. & Biol. Vols.
- GOLDEN, DR. HILDA (HERTZ). Sociology. See A-K Vol, 11th ed, Soc. & Behav. Vols. New position: Assoc. prof., 70-, Dept. of Sociology, University of Massachusetts, Amherst, Mass. 01002.
- GOLDEN, DR. MALCOLM. b. Toronto, Ont., Nov. 6, 32; U.S. citizen: m. 54; c. 3. ECONOMICS. OPERATIONS RESEARCH. B.S., Southern California, 60, cert., 66; M.A. & Ph.D. (econ), Claremont Grad. Sch., 65. Asst. prof. quant. bus. Southern California, 61-65; managerial econ, York, 66-68; chmn. dept. quant. mgt. & dir. mgt. res., Nevada, 68-70; PROF. BUS. STATIST. & CHMN. DEPT. ADMIN. DECISION SCI., MIAMI (FLA.), 69- Dir. attitude study methodology, communications, Fed. Govt. Can., 67-70. Consult. Property Tax Study, Calif., 64-65; Regional Studies Div., Ont., 67-68; Keith, Ganong &

- Roberts, 67-68; Nev. Water Conditioning Co., 68-; Miami High Rise Assn; 69-70. Econ. Assn; Regional Sci. Assn; Inst. Decision Sci. Publ: Basic statistical analysis, Col. Books, 65; co-auth, Linear Sales model, Cost & Mgt. J, 3, 465/67; auth, Estimates of trade-off between capital and labour-Canadian manufacturing, Proc. Assn. Can. Bus. Schs, 68. Address: 742 Harrison St, Hollywood, Fla. 33020.
- GOLDEN, DR. MARK, b. Philadelphia, Pa, Sept. 22, 26; m. 52; c. 2. PSYCHOLOGY. B.A. California, Los Angeles, 51, Ph.D. psychology, 60. U.S. Pub. Health Serv. fel. clin. psychol. 60-62; instr. PSYCHOL. ALBERT EINSTEIN COL. MED, 62-68. ASST. PROF. 69- U.S. Pub. Health Serv. interdisciplinary res. fel. 65-66. U.S.N.R., 44-45. Psychol. Assn; Soc. Res. Child Develop. Social class influences on cognitive development during the first three years of life. Address: 1352 Sussex Rd, Teaneck, N.J. 07666.
- GOLDEN, DR. WILLIE IVERSON, b. Wilkinson Co, Ga, Nov. 17, 36; m. 57; c. 2. AGRICULTURAL ECONOMICS, EDUCATION. B.S. Georgia, 58, M.S., 59; Ph.D.(agr. econ), Texas A&M, 65. Asst. county agent, Twigg County, Ga, 59-60; economist, coop. exten. serv. Univ. Georgia, 61-70; ASSOC. PROF. AGR. ECON. & RURAL SOCIOL., CLEMSON, 70- Agr. Econ. Assn. Limited research in the area of farm growth. Publ: Can we afford to lose cotton, Progressive Farmer, 4/67; Resource ownership and use—rights in agriculture, In: The structure of southern farms of the future, Agr. Policy, Inst. Ser. 30, 8/68; Impact of housing on community growth and development, Proc. Annual Community Resource Develop. Conf. Ga. Coop. Exten. Serv., 2/69. Address: Dept. of Agricultural Economics & Rural Sociology, Clemson University, Clemson, S.C. 29631.
- GOLDFARB, DR. JOEL. American History. See 5th ed, Dir. Am. Scholars, Vol. I, Hist.
- GOLDHABER, DR. DALE E. b. Detroit, Mich, Dec. 4, 43; m. 69. PSYCHOLOGY. B.S. Roosevelt, N.Y., 64; Ph.D.(psychol.), Syracuse, 69. Instr. CHILD PSYCHOL. Syracuse, 66-69. ASST. PROF. DAYTON, 69. AAAS; Psychol. Assn; Soc. Res. Child Develop. Cognitive development; intervention research; experimental design. Address: Dept. of Psychology, University of Dayton, Dayton, Ohio 45409.
- GOLDHAMER, DR. HERBERT. Sociology. See A-K Vol. 11th ed, Soc. & Behav. Vols. New information: Vis. scholar, Russell Sage Found, 69-70. Address: 947 Stonehill Lane, Los Angeles, Calif. 90049.
- GOLDINGS, DR. HERBERT JEREMY. Psychiatry. See Suppl. VI to 11th ed, Phys. & Biol. Vols.
- GOLDMAN, DR. SHELDON. Political Science. See A-K Vol. 11th ed, Soc. & Behav. Vols. New position: Assoc. prof. govt. 70- University of Massachusetts, Thompson Hall, Amherst, Mass. 01002.
- GOLDMAN, DR. THOMAS ADLER. Statistics. See A-K Vol. 11th ed, Soc. & Behav. Vols. New position: Pres. Econ. & Tech. Anal. Corp, Wash, D.C., 69- Address: 7008 Millwood Rd, Bethesda, Md. 20034.
- GOLDNER, DR. NORMAN (OL), b. Des Moines, Iowa, Sept. 19, 33; m. 59; c. 2. SOCIOLOGY. B.A. Minnesota, 55, M.A., 59; Ph.D. Ohio State, 68. ASST. PROF. SOCIOL., WAYNE STATE, 65-66. Summers' consult, Legal Defense Fund, 68. U.S. Dep. Health, Ed. & Welfare, 69. Social. Assn. Acad. Polit. & Soc. Sci. Applications of ecology and ethology to race relations. Publ: The Mexican in a northern urban area: a profile of an ethnic community, Minn. Acad. Sci., 61. Address: 17227 Muirland, Detroit, Mich. 48221.
- GOLDRICH, DR. STANLEY G. b. New York, N.Y. Sept. 22, 37. PHYSIOLOGICAL PSYCHOLOGY. B.A. Queens Col.(N.Y.), 59, M.A., 65; Ph.D.(physiol. psychol.), City Univ. New York, 66. Asst. psychol. Queens Col.(N.Y.), 63-64, lectr. 64-65; res. assoc. psychophysiol., Regional Primate Center, Wisconsin, 65-67; ASST. PROF. PSYCHOL., OHIO STATE, 67- Prin. investr, Nat. Sci. Found. grant, 68-70. U.S.A.R. 62-67. AAAS; Psychol. Assn. Brain function in primates and its involvement in learning and sensory processes; behavioral and neuronal consequences of electrical brain stimulation. Publ: Co-auth, Electrical stimulation of temporal cortex in monkeys during learning, Proc. Int. Cong. Physiol. Sci., Tokyo, 65, Electrically induced afterdischarges in the inferotemporal cortex of monkeys: effects on visual discrimination and discrimination reversal performance, (in press) & Retrograde amnesic effects of inferotemporal and amygdaloid seizures upon conditioned suppression of bar pressing in monkeys, (in press), Neuropsychologia. Address: Psychology Laboratory, Ohio State University, 1314 Kinnear Road, Columbus, Ohio 43212.
- GOLDSCHMID, DR. MARCEL L. Psychology. See A-K Vol. 11th ed, Soc. & Behav. Vols. New position: Assoc. prof. psychol. & dir. 69- Center for Learning & Development, McGill University, Montreal, Que. Can.
- GOLDSEN, JOSEPH M. Social Sciences. See A-K Vol. 11th ed, Soc. & Behav. Vols. New position and address: Exec. dir. concilium int. studies & asst. to provost, Yale, 68- Address: Yale University, New Haven, Conn. 06520.
- GOLDSTEIN, PROF. ABRAHAM SAMUEL. Law. See 5th ed, Dir. Am. Scholars, Vol. IV, Phys., Relig. & Law.
- GOLDSTEIN, DR. BURTON J. b. Baltimore, Md, Sept. 23, 30; m. c. 3. PSYCHIATRY. B.S. Maryland, 53, M.D. 60. Intern, Jackson Mem. Hosp, 60-61, res. psychiatrist, 61-63, chief res. 63-64; instr. PSYCHIAT. MED. SCH. MIAMI, 64-67, asst. prof. 67-70, ASSOC. PROF. 70- DIR. PSYCHIAT. RES. 64- Consult. psychiat. res. South Florida State Hosp, West Hollywood, 67- consult. indust. security prog, U.S. Dep. Defense, 67-; Vet. Admin., 69- Med. cor. bd, Univ. Miami Diag. Clin, 68- Dipl. Am. Bd. Psychiat. & Neurol, 67. Gov. C.U.S.A., 53-55, Res. 55-67, Capt. AAAS; Am. Med. Assn; Psychiat. Assn; Col. Neuropsychopharmacol.; Col. Clin. Pharmacol. & Chemotherol; Col. Psychiat. Clinical psychopharmacology; prediction of drug response; collaborative studies in psychopharmacology. Publ: Co-auth, Psychopharmacology—a review of progress, 1957-1967, U.S. Govt. Printing Off, 68 & Modern problems of pharmacopsychiatry—the thioxanthenes, Karger, 69; ed, International psychopharmacology symposium—haloperidol, Int. J. Neuropsychiat, 67. Address: Dept. of Psychiatry, Box 875-Biscayne Annex, University of Miami Medical School, Miami, Fla. 33152.
- GOLDSTEIN, DR. DONALD A (ARON), b. New York, N.Y. May 11, 34; m. 59, 68; c. 3. EXPERIMENTAL PSYCHOLOGY. B.B.A. City Univ. New York, 55; M.S. Pa. State, 57, Ph.D.(exp. psychol.), 61. Res. psychologist, Elec. Boat Div, Gen. Dynamics Corp, 60-62, sr. res. psychologist, 62-65, supvr. psychol., 65-67, staff asst. nuclear qual. control, 67; sr. staff scientist, Appl. Sci. Assn., 67-69; MGT. SYST. SPECIALIST, ELEC. BOAT DIV, GEN. DYNAMICS CORP, 69- Adj. faculty mem. depts. psychol. & math, Mitchell Col., 65-67. AAAS; Psychol. Assn; Human Factors Soc. Organizational behavior; human factors-quality control; experimental design; training. Publ: Co-auth, Decision-making behavior in a two-choice uncertain outcome situation, 59 & Transfer of training as a function of task difficulty in a complex control situation, 62, J. Exp. Psychol.; Visual coding using flashing lights, Human Factors J, 67. Address: 143 Oaco Ave, New London, Conn. 06320.
- GOLDSTEIN, PROF. DORIS SILK. History. See 5th ed, Dir. of Am. Scholars, Vol. I, Hist.
- GOLDSTEIN, DR. E. BRUCE. Psychology, Biophysics. See Suppl. V to 11th ed, Phys. & Biol. Vols.
- GOLDSTEIN, DR. HYMAN. Psychology. See A-K Vol. 11th ed, Soc. & Behav. Vols. New information: Adj. prof. biostatist, dept. gynec, sch. med, California, San Francisco, 70-; res. biostatistician, div. maternal & child health, sch. pub. health, California, Berkeley, 70- Address: 1930 Vine St, Berkeley, Calif. 94709.
- GOLDSTEIN, DR. JON HELLER, b. Cambridge, Mass, Apr. 22, 37. ECONOMICS. B.A. Oberlin Col., 59; Resources for the Future fel, Minnesota, 64, Nat. Sci. Found. fel, 65, Ph.D.(econ), 67. Instr. econ, Pomona Col., 65-67, asst. prof, Pomona Col. & Claremont Grad. Sch, 67-69; RES. ECONOMIST, OFF. RES. & STATIST. SOC. SECURITY ADMIN., 69- Resources for the Future vis. summer fel, 67. Econ. Assn. Resource and welfare economics; public finance; poverty and income maintenance. Publ: Competition for wetlands, Resources for the Future, Johns Hopkins, (in press). Address: Office of Research & Statistics, Social Security Administration, Dept. of Health, Education & Welfare, North Health, Education & Welfare Bldg, Washington, D.C. 20201.
- GOLDSTEIN, DR. JULIUS L. Electrical Engineering. See Suppl. VI to 11th ed, Phys. & Biol. Vols.
- GOLDSTEIN, DR. LEO S. Psychology. See A-K Vol. 11th ed, Soc. & Behav. Vols. New position and address: Res. psychologist, 69- Educational Testing Service, Princeton, N.J. 08540.
- GOLDSTEIN, DR. MARK E. Psychology. See A-K Vol. 11th ed, Soc. & Behav. Vols. New information: Mem. faculty, New Sch. Soc. Res, 70- Address: 170-40 Henley Rd, Jamaica, N.Y. 11432.
- GOLDSTEIN, DR. RHODA L. b. Brooklyn, N.Y. Feb. 3, 26; m. 47; c. 3. SOCIOLOGY. B.A. Brooklyn Col., 46; M.A. New Sch. Soc. Res, 48; Ph.D.(sociol.), Chicago, 54. Fulbright-Hayes res. scholar, India, 66-67; ASST. PROF. SOCIOL., DOUGLASS COL., RUTGERS, 68- Book rev. ed, Jour. Asian & African Studies, 69- Social. Assn; Asn. Asian Studies; Soc. Study Social Probs. Minorities and intergroup relations; black studies; role of women in India; complex organizations; Publ: Co-auth, Doctors and nurses in industry: social aspects of in-plant medical programs, Int. Mgt. & Labor Rels, Rutgers Univ, 67; auth, Interracial professional practices and attitudes of Negro dentists in a southern city, In: Growth and development of the Negro in dentistry in the United States, Dummett, 52; The participant as observer, Phylon, fall 64. Address: Dept. of Sociology, Douglass College of Rutgers, The State University, New Brunswick, N.J. 08903.
- GOLDSTEIN, PROF. WALTER, b. London, U.K. Aug. 16, 30; U.S. citizen; m. 58; c. 3. POLITICAL SCIENCE. B.Sc. London, 55; Fulbright scholar, Schaeffer fel. & M.A. Northwestern, 56; Ph.D.(polit. sci), Chicago, 61. From instr. to assoc. prof. POLIT. SCI., Brooklyn Col., 59-68; PROF. GRAD. SCH. PUB. AFFAIRS, STATE UNIV. N.Y. ALBANY, 68- Mershon fel, Ohio State, 65-66; vis. prof. N.Y. Univ, 66; Columbia, 66- Staff polit. scientist, Bendix Aerospace Sys. Div, 67-68. Consult. Inst. Defense Anal, Mitre Corp, Res. Anal. Corp, Ford Found, Inst. Polit. & Planning & UN Assn. U.S. 65-67. Brit. Army, 51-53. Polit. Sci. Assn; Int. Studies Assn. International relations theory; conflict resolution; strategic studies; policy deliberation; arms control; comparative political analysis, particularly of Europe; alliance theory. Publ: Dilemmas of British defense, Ohio State Univ, 66; Limitation of disputes, J. Conflict Resolution, 65; Europe faces the technology gap, Yale Rev, 69. Address: Dept. of Political Science, Graduate School of Public Affairs, State University of New York, at Albany, Albany, N.Y. 12203.
- GOLDSTONE, DR. GERALD, b. Brooklyn, N.Y. Apr. 13, 34; m. 66; c. 1. CLINICAL PSYCHOLOGY. B.S. Davis & Elkins Col., 57; M.A. MacMurray Col., 58; Louvain, 58-59; Ph.D.(clin. psychol.), Purdue, 67. Res. psychologist, Aberdeen Proving Grounds, Md., 60-62; clin. psychol., Loganport State Hosp, Ind., 64-66; Cent. State Hosp, 66-67; ASST. PROF. PSYCHOL., BALL STATE, 68- Assoc. faculty, Indiana, Kokomo, 65- Consult. Soc. Security, 65-; Pediatric Clin, Muncie, Ind., 68-; Ment. Health Clin, Grant County, Ind., 70- Psychol. Assn. Clinical, counseling and experimental psychology. Address: Dept. of Psychology, Ball State University, Muncie, Ind. 47306.
- GOLDWATER, DR. BRAM CHARLES, b. Montreal, Que, Dec. 2, 42; m. 65. PSYCHOLOGY. B.A. McGill, 64; M.A. Cornell, 67; Ph.D.(psychol.), Bowling Green State, 69. Vis. asst. prof. PSYCHOL., VICTORIA, 68-70, ASST. PROF., 70- Med. Res. Coun. Can. res. grant, 70-72. Soc. Psychophysiol. Res. Human psychophysiology—physiological correlates of emotion and personality; classical conditioning; pupillary movements. Address: Dept. of Psychology, University of Victoria, Victoria, B.C. Can.

- GOLDWIN, DEAN ROBERT (ALLEN). Political Science. See A-K Vol, 11th ed, Soc. & Behav. Vols. New position & address: Dean, 69, St. John's College, Annapolis, Md. 21404.
- GOLEMBE, DR. CARTER H. Economics. See A-K Vol, 11th ed, Soc. & Behav. Vols. Change of address: Carter H. Golemba Associates, Inc, Suite 415, 1225 Connecticut Ave, N.W., Washington, D.C. 20036.
- GOLLENDER, DR. MORTON, b. New York, N.Y., Oct. 23, 22; m. 66; c. 1. PHYSIOLOGICAL PSYCHOLOGY. B.S., Stanford, 49; M.S., Columbia, 53; California, Berkeley, 56-57; A.M., Michigan, 60; Nat. Insts. Health fel., Indiana, 64-65, Ph.D.(exp. psychol.), 65. Res. asst. spinal cord fixation to R.W. Gerard, Ment. Health Res. Inst., Ann Arbor, Mich., summer 60; res. assoc. spreading depression to S. Ochoa, med. center, Indiana, Indianapolis, summer 62 & 63; Nat. Insts. Health fel., Stanford, 65-66; res. asst. visual syst. to Dr. Kao Liang Chow, sch. med., Stanford, 66; ASSOC. PROF. PSYCHOL., COL. OPTOM. PACIFIC UNIV., 66. Nat. Insts. Health grant, 69-U.S.A., 42-46, Sgt. AAAS; Psychol. Asn. Learning and sensory deprivation; drug effects on memory and learning. Publ: Euphrosini and avoidance correlates of stress in anterior cingulate cortex lesioned rats, *J. Comp. Physiol. Psychol.* 64: 40-48; co-auth. Dichoptic interactions of lateral geniculate neurons of cats to contralateral and ipsilateral eye stimulation, *Proc. 628-644* Modification of response patterns of lateral geniculate neurons following paired stimulation of contralateral and ipsilateral eyes, 31: 729-739, *J. Neurophysiol.*; plus others. Address: College of Optometry, Pacific University, Forest Grove, Ore. 97116.
- GOLLIN, DR. ALBERT E(DWIN), b. Chicago, Ill., Dec. 8, 30; m. 59; c. 2. SOCIOLOGY. B.A., Queens Col. (N.Y.), 52; Fulbright fel., Netherlands, 57-58; Ph.D.(sociol.), Columbia, 67. RES. ASSOC. bur. appl. soc. res., Columbia, 58-63; BUR. SOC. SCI. RES. INC. 63. Nat. Inst. Ment. Health res. grantee, Civil Rights Protest Movements, 67-69; lectr. & res. assoc. sociol., Howard Univ., 69; Nat. Sci. Found. res. grant pub. opinion theory, 70-Consult, Peace Corps, 66; Teacher Corps, 68; Martin Luther King Audio Hist. Proj., 68; McCarthy Hist. Proj., 69. U.S.A., 52-54. Sociol. Asn.; Asn. Pub. Opinion Res.; Soc. Int. Develop.; Soc. Study Social Probs. International education; ECON. Brooklyn Col. 64; asst. prof. BARNARD COL. Education for national development, Praeger, 69; Foreign study and modernization, Int. Soc. Sci. J. 67; co-auth. Tönnies on public opinion, In: *Sociology of Ferdinand Tönnies*, Univ. Chicago, 70. Address: 2954 Northampton St. N.W., Washington, D.C. 20015.
- GOLLOP, DR. HARRY F(RANK). Psychology. See A-K Vol, 11th ed, Soc. & Behav. Vols. New position: Vis. assoc. prof., Dept. of Psychology, University of Denver, Denver, Colo. 80210.
- GOMEZ, DR. RUDOLPH, b. Rawlins, Wyo., July 17, 30; m. 56; c. 2. POLITICAL SCIENCE. B.S., Utah State, 59; Woodrow Wilson fel., Stanford, 59-60, M.A., 60; Ph.D.(polit. sci.), Colorado, 63. INSTR. POLIT. SCI., Colorado Col., 62-64, asst. prof., 64-68; ASSOC. PROF. DENVER, 68. Fulbright lectr., Cath. Univ. Peru, 67. U.S.A.F., 50-54, S/Sgt. Polit. Sci. Asn. American state legislative behavior; impact of urbanization upon state fiscal policies. Publ: Co-auth. Colorado government and politics, Pruett, rev. ed, 67 & Politics in the American West, Univ. Utah, 69; auth. The Peruvian administrative system, Univ. Colo., 69. Address: Dept. of Political Science, University of Denver, Denver, Colo. 80210.
- GOOCH, DR. JEAN A., b. Brooklyn, N.Y., Mar. 22, 15; m. 37, 68; c. 1. ECONOMICS. B.A., California, Berkeley, 44; M.A., Columbia, 63, Ph.D. (econ.), 64. INSTR. ECON. Brooklyn Col. 64; asst. prof. BARNARD COL., COLUMBIA, 64-69, ASSOC. PROF., 69. Ford Found. grant, 70-71. Econ. Asn. Economic history. Publ: Biddle's bank: the crucial years, Columbia Univ., 67; co-auth. Occasional paper 102, Nat. Bur. Econ. Res., 67. Address: 21 Claremont Ave, New York, N.Y. 10027.
- GOOD, DR. IRVING JOHN. Mathematics, Statistics. See Suppl. V to 11th ed, Phys. & Biol. Vols.
- GOODACRE, RAYMOND HARRY. Sociology. See A-K Vol, 11th ed, Soc. & Behav. Vols. New position: Consult. sociol., B.C. Ment. Health Br. Can. Dept. Health Serv. & Hosp. Ins., 68-Address: 1995 San Juan Ave, Victoria, B.C., Can.
- GOODALE, DR. JANE C(ARTER). Anthropology. See A-K Vol, 11th ed, Soc. & Behav. Vols. New position: Assoc. prof., 69-, Dept. of Anthropology, Bryn Mawr College, Bryn Mawr, Pa. 19010.
- GOODALL, DR. LEONARD EDWIN. Political Science. See A-K Vol, 11th ed, Soc. & Behav. Vols. New information: Also v. chancellor, Illinois, Chicago, 69. Address: 6823 Kincaid Court, Downers Grove, Ill. 60515.
- GOODE, DR. ERICH, b. Austin, Tex., Sept. 21, 38; m. 68. SOCIOLOGY. A.B., Oberlin Col., 60; Nat. Inst. Health & univ. fel. & Ph.D.(sociol.), Columbia, 66. INSTR. SOCIOLOGY, Wash. Sq. Col., N.Y. Univ., 65-66, asst. prof., 66-67; STATE UNIV. N.Y. STONY BROOK, 67-70, ASSOC. PROF., 70. Nat. Inst. Ment. Health grant, 68-69; Res. Found. of State of N.Y. fel., summers, 68-69. Sociol. Asn. Soc. Study Social Probs. Sociology of religion; crime, deviance and delinquency; drugs and drug use. Publ: The marijuana smokers, *Basic Bks.*, 70; Multiple drug use among marijuana smokers, *Soc. Probs.*, summer 69; Marijuana and the politics of reality, *J. Health & Soc. Behav.*, 6/69; plus others. Address: Dept. of Sociology, State University of New York at Stony Brook, Stony Brook, N.Y. 11790.
- GOODE, DR. JUDITH GRANTCH, b. New York, N.Y., May 8, 39; m. 60; c. 3. ANTHROPOLOGY. B.A., Columbia, 60; N.Y. State Regents fel., Cornell, 60-62, Ford Found. fel., 62-63. Nat. Insts. Health fel., 64-66, Ph.D.(anthrop.), 68. Prof. ANTHROPOLOGY, Antiochia, Columbia, 68; instr. Corning Community Col., 65-66; TEMPLE, 66-68, ASST. PROF., 68. Anthropol. Asn.; Soc. Appl. Anthropol.; Latin Amer. Social anthropology; comparative law; Latin American peasant societies; Latin American urbanization; culture of poverty; comparative peasant societies; comparative urbanization. Publ:
- Responses of a traditional elite to modernization; *lawyers in Colombia*, *Human Orgn.*, spring 70. Address: Dept. of Anthropology, Temple University, Philadelphia, Pa. 19122.
- GOODE, PROF. WILLIAM J(OSIAH). Sociology. See A-K Vol, 11th ed, Soc. & Behav. Vols. New information: Sr. scientist, Nat. Inst. Ment. Health Career Award, 70- Address: Dept. of Sociology, Columbia University, New York, N.Y. 10027.
- GOODENOUGH, DR. DAVID S(TANLEY). Clinical Psychology. See A-K Vol, 11th ed, Soc. & Behav. Vols. New position: Chief psychol. serv. Vet. Admin. Hosp., Brockton, 68- Address: 59 North St., Mattapoisett, Mass. 02739.
- GOODING, PROF. CHARLES THOMAS, b. Tampa, Fla., Nov. 18, 31; m. 53; c. 4. EDUCATIONAL PSYCHOLOGY. B.A., Ed. Florida, 54, M.Ed., 62, fel., 63, Ed.D.(ed. psychol.), 64; Tampa, 56-57. Teacher jr. high sch., Fla., 56-58, asst. prin., St. Mary's Sch., Tampa, 58-60, prin., 60-62; instr. ed. psychol. & human development, Florida, 63-64; from assoc. prof. to PROF. PSYCHOL., STATE UNIV. N.Y. COL. OSWEGO, 64- Summers, res. found. fel., State Univ. N.Y. 66, 69. U.S.A., 54-56, 1st. Lt. Psychol. Asn.; Ed. Res. Asn. Teacher education; human learning; phenomenology of perception. Publ: Co-auth. Studies in the helping professions, Univ. Fla., 68; auth. A phenomenological approach to hypnosis, *Am. J. Clin. Hypnosis*, 1/69; co-auth. Adapting Q technique to computer scoring procedures, *Ed. & Psychol. Measurement*, Spring 70. Address: Dept. of Psychology, State University of New York College at Oswego, Oswego, N.Y. 13126.
- GOODISON, DR. JULES MARTIN. Counseling, Guidance. See A-K Vol, 11th ed, Soc. & Behav. Vols. New position: Regional mgr., Sci. Res. Assocs., 68-Address: 20 Pilgrim Run, East Brunswick, N.J. 08816.
- GOODLAD, DR. CARL ALEXANDER, b. Shetland, Scotland, Sept. 19, 43. GEOGRAPHY. M.A., Aberdeen, 65, Ph.D.(fisheries), 68. INST. SOC. & ECON. RES. FEL. & ASST. PROF. GEOG. MEMORIAL UNIV., 68- Marine Tech. Soc.; Fisheries Soc.; Asn. Am. Geog. Fisheries; technological change and system transposal in fisheries. Publ: Shetland fishing saga, Shetland Times, (in press); fishing faroe, *Fisheries News Int.*, 4/68. Address: Dept. of Geography, Memorial University of Newfoundland, St. John's, Newf. Can.
- GOODMAN, DR. DONALD, b. Bridgeport, Conn., Jan. 18, 33; m. 57; c. 2. SOCIOLOGY, PHILOSOPHY. A.B. Yale, 57; Free Univ. Berlin, 57-58; M.A. Fordham, 60, Ph.D.(philos.), 67. Lectr. philos., State Univ. N.Y. Stony Brook, 60-68, ASST. PROF. SOCIOL., JOHN JAY COL., CITY UNIV. NEW YORK, 68- Philos. Asn.; Soc. Sci. Study Relig. Russian thought; sociology of religion; history of ideas. Address: 20 Seville Lane, Stony Brook, N.Y. 11790.
- GOODMAN, PROF. ERNEST JOSEPH, b. Breslau, Germany, Feb. 26, 25; U.S. citizen; m. 46; c. 2. POLITICAL SCIENCE. B.A., Hastings, Conn., 60; Nat. Defense fel., Nebraska, 61-65, M.A., 61, Ph.D.(polit. sci.), 65. PROF. POLIT. SCI., STATE UNIV. N.Y. COL. ONEONTA, 63- Vis. prof., Wurzburg, 67-Brit. Army, 41-46. Polit. Sci. Asn. The roots of anti-semitism in rural Germany; the role of political parties in the political system. Address: 94 Elm St., Oneonta, N.Y. 13820.
- GOODMAN, PROF. GEORGE HERMAN. Sociology. See A-K Vol, 11th ed, Soc. & Behav. Vols. Change of address: 11129 Hughlaw Dr., Concord, Tenn. 37720.
- GOODMAN, DR. IRVING J. Psychology, Neurobiology. See Suppl. VI to 11th ed, Phys. & Biol. Vols.
- GOODMAN, DR. JAY S(ELWYN). Political Science. See A-K Vol, 11th ed, Soc. & Behav. Vols. New position: Assoc. prof. govt., Wheaton Col.(Mass) Address: 33 Phillips St., Providence, R.I. 02906.
- GOODMAN, DR. JOHN THOMAS. Psychology. See A-K Vol, 11th ed, Soc. & Behav. Vols. New position & address: Asst. prof. Dept. of Psychiatry, McMaster University, Hamilton, Ont., Can.
- GOODMAN, DR. MARVIN, b. Toronto, Ont., July 2, 33; m. 59; c. 3. PSYCHOLOGY. B.A., Toronto, 56, B.S.W., 57, Edward Johns Urwick & Benjamin Sudowski scholars, 57-58; M.S.W., 58; Grant Found. fel., Merrill-Palmer Inst., 59-60; Ph.D.(psychol.), Mich. State, 62. Group therapist, Toronto Psychiat. Hosp., 58-59; fel. Merrill-Palmer Inst., 62-63; chief psychol. dir. intensive day treatment serv., Saginaw Valley Child Guid. Clin., 63-65; chief psychologist, North York Gen. Hosp. Ment. Health Clin., 65-66; CHIEF PSYCHOLOGIST, NORTH YORK DD, Ed. 66. Lectr., Mich. State, 61-62; spec. lectr., York, 67-68; consult. Ed. TV, 68-69. Am. Psychol. Asn.; Asn. Marriage Couns.; Can. Psychol. Asn. Self concept and self acceptance; learning disabilities; family psychopathology; group dynamics. Publ: Co-auth. Group work in a day care hospital, *Soc. Worker*, spring 60; auth. Expressed self acceptance and interpersonal needs: a basis for social selection, *J. Counseling Psychol.*, 64; Psychology and the general hospital, *Can. Psychologist*, 1/67. Address: 159 Almore Ave., Downsview, Ont., Can.
- GOODMAN, DR. MARY ELLEN. Cultural Anthropology. See 11th ed, Soc. & Behav. Vols., deceased 69.
- GOODMAN, PROF. NELSON. Philosophy. See 5th ed, Dir. Am. Scholars, Vol. IV, Philos., Relig., & Law.
- GOODMAN, PROF. OSCAR R. Business Administration. See A-K Vol, 11th ed, Soc. & Behav. Vols. New information: Chmn., Dept. of Finance, Roosevelt University, 430 S. Michigan Ave., Chicago, Ill. 60605.
- GOODMAN, DR. ROBERT F., b. Los Angeles, Calif., Feb. 13, 38; m. 63; c. 6. POLITICAL SCIENCE. B.A., Southern California, 61; Falk fel., California, Los Angeles, 64-65, M.A., 65. Econ. Develop. Admin. grant, 66-68, Ph.D. (polit. sci.), 68. Sec. teacher jr. high sch., Calif., 62-63; asst. POLIT. SCI., California, Los Angeles, 63-68; ASST. PROF. SOUTHERN CALIFORNIA, 68- Syst. Develop. Corp. fel., 68-69. Mem. Nat. Gaming Coun. Nat. Guard,

- 58-64. Polit. Sci. Assn. Simulation-gaming research; community politics; social conflict. Publ: Co-auth, The SDC school system crisis simulation, Syst. Develop. Corp, 69. Address: Dept. of Political Science, University of Southern California, University Park, Los Angeles, Calif. 90007.
- GOODMAN, DR. SEYMOUR S. Economics. See A-K Vol, 11th ed, Soc. & Behav. Vols. Change of address: Graduate School of Business Administration, Tulane University, New Orleans, La. 70118.
- GOODMAN, PROF. WILLIAM. Political Science. See A-K Vol, 11th ed, Soc. & Behav. Vols. New position & address: Prof. govt, 69-, Division of Social Science, Southern Illinois University, Edwardsville, Ill. 62025.
- GOODMAN-MALAMUTH, DR. LEO. Psychology, Speech Pathology. See A-K Vol, 11th ed, Soc. & Behav. Vols. New information: Also v-pres. acad. aff. affairs, 69-, California State College at Long Beach, Long Beach, Calif. 90801.
- GOODPASTER, GEN. ANDREW J (ACKSON), U.S.A. Political Science. See A-K Vol, 11th ed, Soc. & Behav. Vols. New position: Supreme allied comdr. Europe, Supreme Hq. Allied Powers Europe & comdr-in-chief, U.S. European Command, 69-. Address: SACEUR-SHAPE, APO New York 09055.
- GOODRICH, DEAN KENNETH P (AUL). Experimental Psychology. See A-K Vol, 11th ed, Soc. & Behav. Vols. New position: Dean. ed. res, 69-, Macalester College, St. Paul, Minn. 55101.
- GOODSTEIN, DR. MADELINE P. Science Education, Chemistry. See Suppl. VI to 11th ed, Phys. & Biol. Vols.
- GOODWIN, DR. WILLIAM RICHARD. Psychology. See A-K Vol, 11th ed, Soc. & Behav. Vols. New position: V-pres. corp. planning, Johns-Manville Corp, Manville, 69-. Address: 10 Soder Rd, North Caldwell, N.J. 07006.
- GOODY, PROF. GEORGE H (ENRY). Psychology. See A-K Vol, 11th ed, Soc. & Behav. Vols. New position & address: Lectr, 69-, University of Maryland, Far East Division, CMR Box 1983, APO New York 09055.
- GOOLSBY, DR. THOMAS M (ORRIS), JR. Educational Psychology, Psychometrics. See A-K Vol, 11th ed, Soc. & Behav. Vols. New position: Assoc. dir, 69-, Research & Development Center in Educational Stimulation, University of Georgia, Athens, Ga. 30601.
- GOOTZEIT, DR. JACK MICHAEL. Behavioral Sciences, Rehabilitation Psychology. See A-K Vol, 11th ed, Soc. & Behav. Vols. New information: Adj. asst. prof, Hunter Col, 69-. Address: 1039 Elder Ave, Bronx, N.Y. 10472.
- GOMBERG, DR. EDITH S (ILVERGLIED). Psychology. See A-K Vol, 11th ed, Soc. & Behav. Vols. New position & address: Prof. lectr, 69-, Dept. of Psychology, University of Puerto Rico, Rio Piedras, P.R. 00931.
- GONZALEZ, DR. NANCIE L (OUDEN) SOLIEN. Cultural Anthropology. See A-K Vol, 11th ed, Soc. & Behav. Vols. New position: Prof. anthrop. & asst. chmn. dept, Iowa, 69-. New publ: Black Caribbean household structure, Univ. Washington, 69; A heritage of pride: the Spanish-Americans of New Mexico, Univ. New Mexico, 69. Address: Dept. of Anthropology, University of Iowa, 130 MacBride Hall, Iowa City, Iowa 52240.
- GORDON, DR. CHAD. Sociology. See A-K Vol, 11th ed, Soc. & Behav. Vols. New position & address: Assoc. prof. sociol, 69-, Dept. of Anthropology & Sociology, Rice University, Houston, Tex. 77001.
- GORDON, DR. DAVID W, b. Nyack, N.Y., Oct. 19, 36; m. 64; c. 1. SOCIOLOGY. A.B., N.Y. Univ, 58, M.A. Colorado, 61, Nat. Inst. Ment. Health fcls, 62-63 & 63-64, Ph.D. (sociol), 65. Instr. sociol. Adelphi, 64-65; res. assoc. psychiat, State Univ. N.Y. Downstate Med. Center, 66-67; dir. sociol. res, 67-68; RES. FEL. SOCIOLOGICAL, NEW YORK HOSP-CORNELL MED. CENTER, 68-. Vis. lectr, Wash. Sq. Col, N.Y. Univ, 66-68; U.S. Pub. Health Serv. res. fel, 68-. Consult, United Hosp. Fund, 69-70. AAAS, fel. Sociol. Assn; Soc. Study Social Probs. Sociology of medicine; ethnomethodology of the physician-patient relationship. Address: New York Hospital-Cornell Medical Center, 525 E. 68th St, New York, N.Y. 10021.
- GORDON, DR. HAROLD F, b. Kansas City, Mo., Oct. 31, 15; m. 38; c. 4. POLITICAL SCIENCE, PUBLIC ADMINISTRATION. B.S.C., Creighton, 42; M.S.G., Denver, 44; Ph.D. (polit. sci.), Colorado, 68. Asst. dir. soc. sci. res. Community Studies, Inc, Kansas City, 55-61; acting asst. dir., Bur. Govt. Res. & Serv., Univ. Colorado, 63-66; ASST. PROF. POLIT. SCI., Colorado State, 66-68; OKLA. STATE, 68-. Polit. Sci. Assn. Soc. Pub. Admin. Urban administration and policy. Address: Dept. of Political Science, Oklahoma State University, Stillwater, Okla. 74074.
- GORDON, DR. HIRAM L (ANDOR). Psychology. See A-K Vol, 11th ed, Soc. & Behav. Vols. New position & address: Asst. chief res. dept, 69-, Ft. Logan Mental Health Center, 3520 W. Oxford Ave, Denver, Colo. 80236.
- GORDON, PROF. JESSE E (MANUEL). Psychology. See A-K Vol, 11th ed, Soc. & Behav. Vols. Change of address: 1808 Hermitage, Ann Arbor, Mich. 48104.
- GORDON, DR. JOAN. Sociology. See A-K Vol, 11th ed, Soc. & Behav. Vols. New position & address: Prof. & chmn, 69-, Dept. of Sociology, Quinnipiac College, Hamden, Conn. 06518.
- GORDON, DR. MORDECAI H (ENRY). Clinical Psychology. See A-K Vol, 11th ed, Soc. & Behav. Vols. New position: Prog. dir. epidemiol. & behav. aspects of cancer, extramural activities, Nat. Cancer Inst, Bethesda, 68-. Address: 3006 Dennis Ave, Kensington, Md. 20795.
- GORDON, DR. MORTON. Political Science. See A-K Vol, 11th ed, Soc. & Behav. Vols. New position & address: Pres, 70-, Development Sciences Inc, Box 77, East Sandwich, Mass. 02537.
- GORDON, DR. ROBERT ARTHUR. Sociology, Social Psychology. See A-K Vol, 11th ed, Soc. & Behav. Vols. New position: Assoc. prof, 69-, Dept. of Social Relations, Johns Hopkins University, Baltimore, Md. 21218.
- GORDON, DR. ROBERT I, b. Chicago, Ill., May 22, 44; m. 66. PSYCHOLOGY. B.S., Wisconsin, 65; M.S., Oklahoma, 66, Ph.D. (personality soc. psychol), 68; Baylor, 68-70. Asst. psychol, Oklahoma, 65-68; ASSOC. PROF. PSYCHOL. & DIR. INTERDISCIPLINARY PROG., PAUL QUINN COL, 68-. Consult, Vet. Hosp, Tex, 70; Consult, Games People Play Inc, Tex, 68. Ed. J. Forensic Psychol., Acad. Assn; Judicature Soc; Law & Soc. Assn; Interam. Soc. Psychol.; Int. Acad. Forensic Psychol. (pres). Application of psychological methodology and experimental design to the study of legal processes; problems of minority groups in society. Publ: Tort liability of the research psychologist, Am. Psychologist, 70; Petit jury verdicts as a function of jury size, Dissertation Abstracts, Vol. 29, No. 3; co-auth, Forensic psychology: the judge and the jury, Judicature, 69. Address: Dept. of Psychology, Paul Quinn College, Waco, Tex. 76703.
- GORDON, DR. ROBERT J, b. Boston, Mass., Sept. 3, 40; m. 63. ECONOMICS. B.A., Harvard, 62; B.A., Oxford, 64, M.A., 69; Ph.D. (econ), Mass. Inst. Tech, 67. ASST. PROF. ECON., Harvard, 67-68; CHICAGO, 68-. Res. staff assoc. Nat. Bur. Econ. Res, 68; mem. econ. policy panel, Brookings Inst, 70-. Consult, U.S. Treasury Dept, 67-; U.S. Dept. Commerce, 69-. Econ. Assn; Economet. Soc; Royal Econ. Soc. Sources of United States growth; measurement of United States capital stock; incidence of United States corporation income tax; measurement of equipment prices; causes of inflation; critic of econometric models. Publ: Incidence of the corporation income tax in U.S. manufacturing, 9/67 & \$45 Billion of U.S. private investment has been mislaid, 6/69, Am. Econ. Rev; A new view of real investment in structures, Rev. Econ. & Statist, 11/68. Address: Dept. of Economics, University of Chicago, Chicago, Ill. 60637.
- GORDON, DR. THOMAS. Psychology. See A-K Vol, 11th ed, Soc. & Behav. Vols. New position: Pres, Effectiveness Training Associates, 70-. Address: 110 S. Euclid Ave, Pasadena, Calif. 91101.
- GORDON, DR. WILLIAM E, b. Trinidad, B.W.I., Mar. 10, 11; wid. ECONOMICICS. D.P.A., London, 31; B.Com., McGill, 51; M.P.A. & M.A., Princeton, 53. Ph.D. (econ), 55. Ed. Jamaica Times Ltd, 31-35; mem. ed. staff, Jamaica Standard Ltd, 35-39; sr. officer, Kingston & St. Andrew Corp, Jamaica, 39-48; instr. ECON., Marquette, 55-58; assoc. prof, Simpson Col, 58-59; Park Col, 59-61; prof, Atlanta, 61-67; ASSOC. PROF., XAVIER (OHIO), 67-. Summers, participant, Econ. in Action, Univ. Wisconsin, 58. Ford Found. fel., Univ. Michigan, 59; Gen. Elec. fel., Univ. Chicago, 60; Tenn. Valley Auth. res. grant, 67 & Fredin Mem. scholar, Europe, 69. Econ. Assn. International and monetary economics; public finance and fiscal policy; economic development; history of economic thought. Publ: Co-auth, American trade with Asia, Marquette Univ, 59; auth, British economic policy in colonial trade, Soc. & Econ. Studies, 58 & Economic and social effects of automation, Cybernetica, 64. Address: 6511 Coleridge Ave, Cincinnati, Ohio 45213.
- GORE, DEAN BLINZY L, b. Hinton, W.Va., June 13, 21; m. 51; c. 2. SOCIAL STUDIES. LAW. B.S., W.Va. State Col, 46; LL.B., State Univ. Iowa, 50; M.A., N.Y. Univ, 58, grant, summer 60, Ph.D. (soc. studies), 67. Assoc. prof. law, S.C. State Col, 50-57, prof, 57-67; DEAN, CLAFLIN COL, 67-. A. U. S. 42-46. Assn. Study Negro Lit. & Hist. Nonresident motorist acts; social protest movements among American Negroes. Publ: The right to work controversy: a murky pool, Palmetto Ed. Assn. J, 10/66. Address: Claflin College, Orangeburg, S.C. 29115.
- GOREN, DR. ARTHUR A (RYEH). American History. See 5th ed, Dir. Am. Scholars, Vol. 1, Hist.
- GORFEN, DR. DAVID SCHLANGER, b. New York, N.Y., June 14, 35; m. 63; c. 1. EXPERIMENTAL PSYCHOLOGY. B.A., City Col. New York, 56; M.A., Columbia, 57, Ph.D. (psychol), 62. Sessional lectr. PSYCHOL., Alberta, 57-58; instr., Montana, 59-60; asst. prof, Utah State, 61-62; Eastern Michigan, 62-65; NEW COL, 65-67; ASSOC. PROF., 67-. Nat. Sci. Found. sci. faculty fel, 69. AAAS; Psychol. Assn; Psychochimica Soc. Memory processes, particularly free-recall and short-term memory, and individual differences in these processes. Publ: Co-auth, Encoding interval in short-term memory, 67 & individual differences in the serial position curve of single trial free recall, 69, J. Verbal Learning & Verbal Behav; Factors affecting multiple trial free-recall, J. Ed. Psychol, 70. Address: Dept. of Psychology, New College, Sarasota, Fla. 33578.
- GORHAM, DR. DONALD R (DX). Psychology. See A-K Vol, 11th ed, Soc. & Behav. Vols. New position: Chief psychol. serv, 69-, Veterans Administration Center, Bath, N.Y. 14810.
- GORHAM, THELMA T. Journalism & Mass Communication, Sociology. See 5th ed, Dir. Am. Scholars, Vol. II, Eng. Speech & Drama.
- GORMELY, DR. PATRICK JOSEPH, b. Niagara Falls, N.Y., Oct. 26, 41; m. 64; c. 1. ECONOMICS. A.B., Catholic Univ, 63; Ph.D. (econ), Duke, 67. ASST. PROF. ECON., KANSAS STATE, 67-. Econ. Assn. Development economics, particularly studies of less developed countries; economic development theory; economic planning theory and policy; foreign aid. Address: Dept. of Economics, Kansas State University, Manhattan, Kans. 66502.
- GORMLY, DR. JOHN BERNARD, b. Providence, R.I., Nov. 21, 40; m. 66; c. 1. PSYCHOLOGY. B.A., R.I. Col, 66; M.A., Illinois, 68, Ph.D. (psychol), 69. ASST. PROF. PSYCHOL., RUTGERS, 69-. U.S.A. 58-62. Development of a personality system based on physiological response patterns; development of cognitive techniques for the reduction of subjective and physiological arousal. Address: Dept. of Psychology, Rutgers, The State University, New Brunswick, N.J. 08903.
- GOROVE, PROF. STEPHEN. Law. See 5th ed, Dir. Am. Scholars, Vol. IV, Philos., Relig. & Law.

- GORWITZ, DR. KURT. Biostatistics. See Suppl. VI to 11th ed, Phys. & Biol. Vols.
- GOSFIELD, DR. AMOR. Economics. See A-K Vol, 11th ed, Soc. & Behav. Vols. Change of address: 3136 Calle Mariposa, Santa Barbara, Calif. 93105.
- GOSHEN, DR. CHARLES E (NEST). Medicine. See D-G Vol. & Suppl. 6 to 11th ed, Phys. & Biol. Vols.
- GOSLIN, DR. LEWIS NIEL, b. Tarentum, Pa. Nov. 15, 32; m. 61; c. 2. ORGANIZATION THEORY, OPERATIONS RESEARCH. B.A. Pa. State, 55; M.S., Carnegie-Mellon, 61; D.B.A. (admin.), Washington (Seaside), 64. Asst. adm. mgr. & admin. sci., Indiana, 64-68; ASSOC. PROF. SYST. SCI. & ADMIN., PORTLAND STATE, 68- Vis. res. fel., Lancaster, 67-68. Consult. res. group on mgt. res. & develop., Manchester Sch. Bus., Manchester, 67-68. U.S.A.R., 57. Inst. Mgt. Sci.; Acad. Mgt. Decision making under uncertainty as related to organizational planning; forecasting and anticipating change; how organizations handle particular problems such as research management or bidding situations. Publ.: R & D management: a selected annotated bibliography, Ind. Univ., 64; The product planning system, Irvin, 67; co-auth., Administrative strategy: technology and organization, Addison, (in press). Address: P.O. Box 751, Portland State University, Portland, Ore. 97207.
- GOSS, DR. ALLEN MILES, b. Harrison Twp. Pa. July 12, 37; m. 66. PSYCHOLOGY. B.A. San Diego State Col., 60; M.A., Texas, Austin, 65, Ph.D. (psychol.), 66. Fel. Vet. Admin. Hosp., Houston, Tex., 65-67; clin. psychologist, Tex. Res. Inst., 67-68; ASST. PROF. CLIN. PSYCHOL., BAYLOR COL. MED., 68-; ASSOC. PROF. PSYCHOL. & CHMN. DEPT. ST. THOMAS (TEX), 68- Asst. prof., Houston, 68- U.S.A., 60-63, 1st Lt. Psychol. Asst.; Soc. Importance of research in behavior modification: alcoholism treatment program. Publ.: Adherence of diagnostic categories in evaluating psychological data, J. Counseling Psychol., 15: 476-478, Pre-dicting vocational success for neuropsychiatric patients with the Edwards personal preference schedule, J. Appl. Psychol., 53: 250-252 & Relation between a dimension of internal-external control and the MMPI with an alcoholic population, J. Counseling & Clin. Psychol., 34: 189-192. Address: Dept. of Clinical Psychology, Baylor College of Medicine, 1200 Moursund, Houston, Tex. 77025.
- GOSS, DR. MARY E. (WEBER). Sociology. See A-K Vol, 11th ed, Soc. & Behav. Vols. Change of address: 25 Hillcrest Dr., Piscataway, N.J. 08854.
- GOSS, PROF. ROBERT W., b. Fitchburg, Mass., Oct. 8, 25; m. 56; c. 4. ECONOMIC, EDUCATION. B.S. Col. Holy Cross, 48; M.Ed., Fitchburg State Col., 49; M.A., Clark, 59; Ed.D. (higher ed.), Boston Col., 65. Instr. & ed., Fitchburg State Col., 54-56; PROF. ECON., WORCESTER STATE COL., 56- Consult. res. grant, Nat. Bus. Mach. Corp., 65-67; Comput. Serv. Center, 69- Ed. adv. Nat. Coun. Social Studies, 58-67. U.S.N.A.F.R., 43-, Lt. Comdr. Acad. Polit. Sci.; Acad. Polit. & Soc. Sci. Financial administration of public education, particularly higher education. Publ.: General education policies and practices in Massachusetts State Colleges, Boston Col., 65. Address: Dept. of Economics, Worcester State College, 486 Chandler St., Worcester, Mass. 01602.
- GOTESKY, PROF. RUBIN. Philosophy. See 5th ed, Dir. of Am. Scholars, Vol. IV, Philos. Relig. & Law.
- GOTTREGER, PROF. MALCOLM HAROLD. Computer Science. See A-K Vol, 11th ed, Soc. & Behav. Vols. New position: Prof., Dept. of Computer Science, Pennsylvania State University, 426 McAllister Bldg., University Park, Pa. 16802.
- GOTTESFELD, DR. HARRY, b. New York, N.Y., July 14, 24; m. 60. PSYCHOLOGY. B.A., Brooklyn Col., 47; Ph.D. (psychol.), N.Y. Univ., 55. Staff psychologist, neurol. inst., Columbia Presby. Med. Center, 52-54; Kings County Hosp., 54-61; sr. psychologist, Bellevue Hosp., 61-62; res. dir., C.S.A.C. Consultation Unit, Jewish Ed. Guardian, 62-64; chief psychologist & dir. clin. res. psychiat., Bronx Lebanon Hosp., 64-65; res. consult., Wurzelweiser Sch. Soc. Work, Yeshiva, 65-66, assoc. prof. & res. dir. proj., beacon, 66-69; RES. DIR. COMMUNITY MENT. HEALTH & ACTING CHIEF PSYCHOLOGIST, ROOSEVELT HOSP. NEW YORK, 68- Res. dir., Anti-Poverty Prog., East Harlem, 65-66; prin. invest., Title I grant, 68; U.S. Off. Ed. res. grant, 68-69. Res. consult. sch. med., Tennessee, 63-64; Community Develop. Youth, Huntington, N.Y., 64-65; consult., Title I proj., N.Y. State, 68. U.S.A., 43-46. Psychol. Asst.; Soc. Adlerian Psychol. Community Mental health; foster care; anti-poverty program. Publ.: Professionals and delinquents evaluate professional methods with delinquents, N.Y. State, summer 65; co-auth., Changes in feelings of powerlessness in a community action program, Psychol. Reports, 66; areas, 63 & loco parentis, J.C.C.A., 5/70. Address: 11 Riverside Dr., New York, N.Y. 10023.
- GOTTLIEB, PROF. DAVID, b. U.S., July 7, 30; m. 55; c. 4. SOCIOLOGY. B.A. Wayne State, 33; Ph.D. Chicago, 60. Res. assoc., sociol., Wayne State, 51-53; res. analyst, Soc. Res. Inc., 55-57; lectr., sociol., Northwestern, 57-58; asst. study dir., nat. opinion res. center, Chicago, 58-60; asst. prof. sociol. & anthropol., Mich. State, 60-62, assoc. prof., 62-64; assoc. dir. plans & prog., Job Corps Off. Econ. Opportunity, 64-67; PROF. SOCIOL. & DIR. DIV. COMMUNITY SERV. COL. HUMAN DEVELOP., PA. STATE, 67- Consult., Peace Corps, res. adv. & consult., U.S. Soc. Security Admin.; consult., President's Cmt. Sci. & Tech., 63-64; V-President's Cmt. Youth, 64-67; Off. Econ. Opportunity, 67- U.S. Merchant Marine, 53-55. Sociol. Asst.; Ed. Res. Asst. Attitude change: sociology of higher education research on adolescent socialization and value systems; education and socialization of disadvantaged youth. Publ.: Co-auth., Adolescent behavior in urban areas, 63 & The emergence of youth cultures, 66, Macmillan; The American adolescent, Dorsey, 64. Address: College of Human Development, Pennsylvania State University, State College, Pa. 16801.
- GOTTWALD, PROF. NORMAN (KAROL), Old Testament. See 5th ed, Dir. Am. Scholars, Vol. IV, Philos. Relig. & Law.
- GOTTWALD, DR. RICHARD L (ANDOLIN), b. Detroit, Mich., Jan. 24, 41; m. 65; c. 1. PSYCHOLOGY. B.A., Michigan, 64; M.A., Hopkins, 66, Ph.D. (psychol.), 68. RES. STAFF PSYCHOLOGIST & LECTR., YALE, 68- AAAS; Psychol. Asst. Concept attainment; problem solving; classification behavior; temporal and spatial pattern perception; information processing. Publ.: Co-auth., Some perceptual factors in the learning of sequential patterns of binary events, J. Verbal Learning & Verbal Behav., 67 & The perception and learning of temporal patterns, Quart. J. Exp. Psychol., 68. Address: Dept. of Psychology, Yale University, New Haven, Conn. 06510.
- GOUGH, PROF. AIDAN RICHARD. Law. See 5th ed, Dir. Am. Scholars, Vol. IV, Philos. Relig. & Law.
- GOULD, DR. A. LAWRENCE. Statistics. See 12th ed, Phys. & Biol. Vols.
- GOULD, DR. JOHN D (AVID). Psychology. See A-K Vol, 11th ed, Soc. & Behav. Vols. New information: Also mgr. behav. sci. group, 68-, IBM Research Center, Yorktown Heights, N.Y. 10598.
- GOULD, DR. J (JOSEPH) (DONEY). Economics. See A-K Vol, 11th ed, Soc. & Behav. Vols. Change of address: 24 Kent Way, Newark, Del. 19711.
- GOULD, DR. RAYMOND F (RANCIS). Sociology. See A-K Vol, 11th ed, Soc. & Behav. Vols. New position: Prof. sociol., Hood Col., 69- Address: 201 Crestview Court, Frederick, Md. 21701.
- GOULDING, DR. A (ARNOLD) VICTOR. Psychology, Sociology. See A-K Vol, 11th ed, Soc. & Behav. Vols. Change of address: 155 W. 68th St., New York, N.Y. 10023.
- GOULET, DR. L (ARRY) (RAYMOND). Psychology. See A-K Vol, 11th ed, Soc. & Behav. Vols. New position & address: Assoc. prof. ed. psychol. & psychol., 69-, Dept. of Educational Psychology, University of Illinois, Urbana Ill. 61801.
- GOURLAN, DR. DENNIS S., b. Peoria, Ill., Oct. 30, 41; m. 63; c. 1. SPEECH. B.S., Illinois State, M.S., 65; Ph.D. (speech), Iowa, 68. ASST. PROF. SPEECH, INDIANA, BLOOMINGTON, 68- Speech Asst. Am. Group communication and persuasion. Publ.: Attitude change and listeners' understanding of persuasive communication, Speech Teacher, 11/66. Address: 215 S. Rose, Bloomington, Ind. 47401.
- GOVE, PROF. SAMUEL K (IMBALL). Political Science. See A-K Vol, 11th ed, Soc. & Behav. Vols. Change of address: 2006 Bruce Dr., Urbana, Ill. 61801.
- GOVE, DR. WALTER ROBERTS, b. Holden, Mass., June 8, 38; m. 65; c. 1. SOCIOLOGY. B.S. State Univ., N.Y. Col. Forests, Syracuse, 60; M.A., Washington (Seattle), 67, Ph.D. (sociol.), 68. ASST. PROF. SOCIOLOGY, VANDERBILT, 68- Sociol. Asst. Deviance, especially sociology of mental illness; methodology; social psychology; human ecology; family economics. Publ.: Co-auth., The conception and measurement of asymmetric monotonic relationships in sociology, 5/69 & auth., Sleep deprivation: a cause of psychotic deterioration, 3/70, Am. J. Sociol.; co-auth., An intensive treatment program for psychiatric in-patients: a description and evaluation, J. Health & Soc. Behav., 9/69. Address: Dept. of Sociology, Vanderbilt University, Box 1811, Station B, Nashville, Tenn. 37203.
- GOW, PROF. J (AMES) STEELE, JR. Political Science. See A-K Vol, 11th ed, Soc. & Behav. Vols. Change of address: 4519 Middle Rd., Allison Park, Pa. 15101.
- GOZANSKY, DR. NATHANIEL ELLIOTT. Law. See 5th ed, Dir. Am. Scholars, Vol. IV, Philos. Relig. & Law.
- GRABOWSKI, DR. HENRY GEORGE. Economics. See A-K Vol, 11th ed, Soc. & Behav. Vols. Change of address: 507 Whitney Ave., New Haven, Conn. 06511.
- GRADY, LT. COL. MICHAEL J, JR., U.S.A.F., b. Central Falls, R.I., Nov. 4, 29; m. 53; c. 5. EDUCATIONAL PSYCHOLOGY. Ed. B., Rhode Island Col., 51; M.A., Alabama, 61, Ph.D. (ed. psychol.), 64. U.S. AIR FORCE, 51-, from instr. to ASSOC. PROF. PSYCHOL., U.S. AIR FORCE ACAD., 64-66, DIR. ED. RES., 69, dep. instr. & res., 66-69. Consult., Decision Sci. Lab., L.G. Hanscom Field, Mass., summer 65. Ed. Res. Asst., Psychol. Asst.; Personnel & Guid. Asst. Educational research, especially motivation and the prediction of both attrition and academic success; student attitudes as they relate to academic achievement. Address: 4604 El Cuminado Dr., Colorado Springs, Colo. 80907.
- GRAFTON, DR. THURMAN (STANFORD). Laboratory Animal Medicine. See Suppl. VI to 11th ed, Phys. & Biol. Vols.
- GRAHAM, DR. DOUGLAS H., b. Erie, Pa.; June 23, 32; m. 60; c. 2. ECONOMICS. B.A., Yale, 55; M.A., Hopkins, 59; M.A., Harvard, 63, Ph.D. (econ.), 68. Instr. ECON., Northeastern, 63-65; ASST. PROF., VANDERBILT, 66- Vis. prof., grad. sch. econ., Getulio Vargas Found., Rio de Janeiro, Brazil, 66-68. Mem. joint study group on indust. res. in Brazil, U.S.-Brazil Coop. Prog., Nat. Acad. Sci., 67-68. U.S.N., 55-57. Econ. Asst.; Latin Am. Studies Asst. High level manpower problems in underdeveloped societies; Latin American economic problems; contemporary Brazilian economic problems; internal migration and economic growth. Publ.: Divergent and convergent regional economic growth and internal migration in Brazil, 1940-1960, Econ. Develop. & Cultural Change, 4/70. Address: Dept. of Economics, Box 1819, Station B, Vanderbilt University, Nashville, Tenn. 37203.
- GRAHAM, EARL ADDISON. Economics. See 11th ed, Soc. & Behav. Vols., deceased 69.
- GRAHAM, DR. GERALD H (UGH). Social Science, Organizational Behavior. See A-K Vol, 11th ed, Soc. & Behav. Vols. New information: Also chmn. admin. dept., Wichita State, 69- Address: 2753 N. Pershing, Wichita, Kans. 67220.

- GRAHAM, PROF. J(AMES) KEITH, b. Detroit, Mich., Dec. 14, 25; m. 56; c. 2. SPEECH PATHOLOGY, AUDIOLOGY. B.S., Wayne State, 48, M.A., 51; Ph.D. (speech path), Northwestern, 64. Dir. speech clin., Cornell, 49-51; Northwestern, 55-63; res. staff consult., sensory disabilities study sect., div. res. grants, Voc. Rehab. Admin., Dept. Health, Ed. & Welfare, 63-66; PROF. SPEECH PATH. & AUDIOLOG. & CHMN. DEPT., WICHITA STATE, 66. Fed. consult. subcom. on sensory aids, com. on prosthetics res. & develop., Nat. Acad. Sci.-Nat. Res. Coun., 63-66; consult. tech. utilization br., NASA, 63-66. U.S.A., 51. Speech & Hearing Assn. Disorders of human communication; stuttering; sensory aids for the blind and deaf. Publ.: Co-auth., Treatment of communicative disorders, In: Mental retardation: diagnosis and treatment, Harper, 69. Address: Dept. of Logopedics, Wichita State University, Wichita, Kans. 67208.
- GRAHAM, JOHN JOSEPH. Economics. See A-K Vol. 11th ed, Soc. & Behav. Vols. Change of address: 44 Bromfield St., Boston, Mass. 02108.
- GRAHAM, DR. JOHN R(OBERT). Psychology. See A-K Vol. 11th ed, Soc. & Behav. Vols. New position & address: Asst. prof., 68-, Dept. of Psychology, Kent State University, Kent, Ohio 44240.
- GRAHAM, DR. LAWRENCE S. Political Science. See A-K Vol. 11th ed, Soc. & Behav. Vols. New position: Assoc. prof., 69-, Dept. of Government, University of Texas, Austin, Tex. 78712.
- GRAHAM, DR. LEROY STONEY. Sociology. See A-K Vol. 11th ed, Soc. & Behav. Vols. New information: On leave from American Univ. as dir., 69-, Washington Pastoral Counseling Service, 1500 16th St. N.W., Washington, D.C. 20036.
- GRAHAM, DR. WILLIAM KIMBALL, b. Palo Alto, Calif., Feb. 25, 39; m. 61; c. 1. PSYCHOLOGY. B.A., Willamette, 62; M.A., Illinois, 64; Ph.D. (psychol.), Wayne State, 66. Asst. prog. dir. human resources res., div. Ins. Agency Mgt. Assn., 66-69; PROF. PSYCHOLOGY, CALIFORNIA, BERKELEY, 67-68; AAAS, Nat. Coun. Crime & Delinquency; Psychol. Assn. Attitude change; social influence processes; leadership; organizational psychology. Publ.: Description of leader behavior and evaluation of leaders as a function of LPC, 68, Comparison of job attitude components across three organizational levels, 69, & co-auth., Personality correlates of supervisory ratings, 69. Personnel Psychol. Address: Dept. of Psychology, University of California, Berkeley, Calif. 94720.
- GRAHAM, DR. WILLIAM MUIR. Ecology, Insect Behavior. See Suppl. V to 11th ed, Phys. & Biol. Vols.
- GRAME, THEODORE C. b. New York, N.Y., Jan. 28, 30; m. 53; c. 1. ETHNOMUSICOLOGY. Mus.B., Manhattan Sch. Music, 52, Mus.M., 54; N.Y. Univ. 58-62. Assoc. curator music, Mus. Music, Scarsdale, N.Y., 61-64; lectr. hist. music, Yale, 64-68, docent musical instrument, 66-68; LECTUR. WORLD MUSIC, WESLEYAN, 68- Yale Concilium Int. Studies grants, Maghribi, 65 & 67. Consult. musical instruments, cartometrics proj., Nat. Inst. Ment. Health, 63-65; folk music, Julliard repository proj., U.S. Off. Ed., 64-67. Mem. bd., Nat. Coun. Arts in Ed., 66- Soc. Ethnomusicol. (secy., 64-). Musical instruments; Maghribi music; American music; Publ.: Bamboo and music: a new approach to organology, 1/62 & An historical view of musicology and performance, 9/63, Ethnomusicology: Music in the Jma al-Fna of Marrakech, Morocco, Musicol. Quart., 1/70. Address: Dept. of Music, Wesleyan University, Middletown, Conn. 06457.
- GRANELL, DR. LEE E. Speech. See 5th ed, Dir. Am. Scholars, Vol. II, Eng. Speech & Drama.
- GRANGER, PROF. SHELTON B. b. Harrisburg, Pa., Feb. 21, 21; m. 43; c. 5. POLITICAL SCIENCE. A.B. Howard, 42; M.S., Columbia, 47; Western Reserve, 51. Dir. indust. rels., Cleveland Urban League, 47-51, exec. dir., 58-62; Minneapolis Urban League, 51-58; dir. youth develop. div., Children's Bur., Dept. Health, Ed. & Welfare, 62-63; human resources develop. div., Latin Am. Bur. Agency Int. Develop., 63-65; dep. asst. secy. int. affairs, Dept. Health, Ed. & Welfare, 65-69; ASSOC. PROF. POLIT. SCI., MACALESTER COL., 69- Guest lectr., schs. soc. work, Univ. Minnesota & Univ. Maryland. Ford Found. ed. consult. for Gray Areas Prog., 60-61; consult. President's Cmt. Juvenile Delinquency, Dept. Justice, spring 62. U.S. del. Ninth Orgn. Am. States Conf. on Children, Argentina, 63, UN Econ. & Soc. Coun. Geneva, 66, UN Cmn. on Soc. Develop., 66-68 & UN Conf. Ministers, 68. U.S.A., 42-46, 1st Lt. International relations; civil rights; social welfare planning; national and international community development. Publ.: Planning 1963, key issues in human welfare, Am. Soc. Planning Off., 63; Meeting information needs in health, education and welfare, the computer in American education, Am. Soc. 67; Issue 20, race and food, the coming crisis, topic, U.S. Info. Agency Pub., 8/67. Address: 1832 Kenwood Pkwy., Minneapolis, Minn. 55405.
- GRANROSE, DR. JOHN THOMAS. Philosophy. See 5th ed, Dir. Am. Scholars, Vol. IV, Philos., Relig. & Law.
- GRANT, PROF. DANIEL R(OSS). Political Science. See A-K Vol. 11th ed, Soc. & Behav. Vols. New position & address: Pres., Ouachita Baptist, 70. Address: Phelps Circle, Arkadelphia, Ark. 71923.
- GRANT, DR. EDWARD, b. West Bromwich, Eng., July 28, 31; m. 68. PSYCHOLOGY, PHILOSOPHY OF SCIENCE. B.A., Southampton, 57; B.A., Bristol, 59; cert. Birmingham, 62; Ph.D. (psychol.), Leicester, 66. Asst. clin. psychol. consultant, Monyhull Hosp., Birmingham, Eng., 59-61; demonstr. psychol., Leicester, 64-65; asst. prof. ed. psychol., Calgary, 65-67; PSYCHOL. Newfoundland, 67-68; WATERLOO LUTHERAN, 68-69; ASSOC. PROF. 69. Mind Assn., Brit. Psychol. Soc., Philos. and history of psychology; psychology of time; twin studies. Publ.: Co-auth., Symptoms of depression, May & Baker, 69; auth., An introduction to psychochronometry, Acad. Press, 70. Address: Dept. of Psychology, Waterloo Lutheran University, Waterloo, Ont., Can.
- GRANT, DR. WARREN RAY, b. Hillsboro, Tex., Nov. 15, 33; m. 58; c. 3. AGRICULTURAL ECONOMICS. B.S., Texas A&M, 55, M.S., 56, Ph.D. (agr. econ), 69. Res. technician, Tex. Agr. Exp. Sta., 56 & 58-59; agr. statistician, Statist. Reporting Serv., U.S. DEPT. AGR. Tex., 59-61; AGR. ECONOMIST, FARM PROD. ECON. DIV., ECON. RES. SERV., Ark., 61-64, Tex., 64-68, CALIF., 69- U.S.A., 56-58. Economic problems associated with rice production and marketing. Publ.: Co-auth., Effects of allotment and price changes on rice farmers in the Mississippi River Delta, 67 & Equipment technology and weather on rice farms in the Grand Prairie, Arkansas, 69, Ark. Agr. Exp. Sta.; auth., A model for estimating costs of government programs for rice, Agr. Econ. Res., 7/67. Address: Economic Research Service, U.S. Dept. of Agriculture, University of California, Davis, Calif. 95616.
- GRATCH, PROF. GERALD, b. New York, N.Y., Oct. 28, 27; m. 61; c. 1. PSYCHOLOGY. Soc. Sci. Res. Coun. fel., Dartmouth Col., 53; Ph.D. (psychol.), Chicago, 56. U.S. Pub. Health Serv. fel. child develop., Cornell, 56-57; res. assoc., Minnesota, 57-58; U.S. Pub. Health Serv. intern clin. psychol., Ill. Neuropsychiat. Inst., 58-59; Michael Reese Hosp., 59-60; instr. soc. sci. & psychol., Wright Jr. Col., 60-62; asst. prof. child develop., Roosevelt, 62-64; from assoc. prof. to PROF. PSYCHOL., HOUSTON, 64- Nat. Inst. Ment. Health grant, 65-66; Nat. Inst. Child Health & Human Develop. grant, 68-70. U.S.A., 46-47. AAAS; Psychol. Assn.; Soc. Res. Child Develop. Identification of levels of knowing, especially the relationship between intuition and analysis in the course of human development. Publ.: Co-auth., A clinical approach to the understanding of normal and pathological adolescence, Arch. Gen. Psychiat., 66; auth., Response alternation in children, Vita Humana, 66 & An exploratory study of the relation of dependence upon adult approval and age to children's risk taking, Child Develop., 66. Address: Dept. of Psychology, University of Houston, Cullen Blvd., Houston, Tex. 77004.
- GRAU, ALBERT F(RANCIS), S.J. Clinical Psychology. See A-K Vol. 11th ed, Soc. & Behav. Vols. New position: Prof. psychol. & dir., 69-, Counseling Center, Loyola College, Baltimore, Md. 21210.
- GRAVATT, DR. ARTHUR E(UGENE). Sociology. See A-K Vol. 11th ed, Soc. & Behav. Vols. New position & address: Head, 69-, Dept. of Child Development & Family Relations, University of Tennessee, Knoxville, Tenn. 37916.
- GRAVEL, DR. PIERRE BETTEZ, b. Gravelbourg, Sask., July 30, 22; m. 58; c. 3. ANTHROPOLOGY. B.A., Ottawa (Ont.), 45; cert. ETHNOL. Paris, 55; M.A., Michigan, 59, Ph.D. (anthrop.), 62. Asst. prof. ANTHROP., Colorado, 62-64; ASSOC. PROF., Daubouise, 64-65; NORTHERN ILLINOIS, 65- Vis. lectr., Michigan, summers 62 & 65. Nat. Sci. Found. consult. grant, 64. Fel. Anthropol. Assn.; fel. African Studies Assn. Cultural anthropology; Africa; socio-political-economic structure; power structure and the search for power; theory and method. Publ.: Remera: a community in Eastern Ruanda, Mouton, the Hague, 68; The method of anthropology, Houghton, (in press). Diffuse power as a commodity, Int. J. Comp. Sociol., 68. Address: Dept. of Anthropology, Northern Illinois University, DeKalb, Ill. 60115.
- GRAVES, DR. BENNIE DWANE, b. Hollis, Okla., Mar. 13, 28; m. 50; c. 3. SOCIOLOGY. B.S., W. Tex. State Col., 50; M.A., Texas, 53; Ph.D. (sociol.), State, 58. Teacher pub. schs., Tex., 50-51, intermediate sch., 53-54; therapist, Vet. Admin. Hosp., Downey, Ill., 54-56; case worker, Austin State Hosp., Tex., 57-59; instr. social. & psychol., Jackson Community Col., 59-66; asst. instr. SOCIOL., Mich. State, 66-67; assoc. prof., Ferris State Col., 67-68; ASSOC. PROF., CENTRAL MICHIGAN, 68- Consult. behav. sci. elem. teacher ed. proj., Mich. State Univ., summer 68; Mich. State Civil Serv. Mgt. Conf., 69. U.S. 45-46. Soc. Assn. Anthropol. Sociology of industry, occupations, professions and mental illness. Publ.: Co-auth., Behavioral science for elementary teachers, U.S. Dept. Health, Ed. & Welfare, 68; auth., Breaking out: an apprenticeship system among pipeline construction workers, Human Orgn., 8/58; Particularism, exchange and organizational efficiency ..., Soc. Forces, 9/70. Address: Dept. of Sociology & Anthropology, Central Michigan University, Mt. Pleasant, Mich. 48858.
- GRAVES, DR. HANNON B. Genetics. See Suppl. V to 11th ed, Phys. & Biol. Vols.
- GRAVES, DR. THEODORE D(UMAINE). Anthropology, Social Psychology. See A-K Vol. 11th ed, Soc. & Behav. Vols. New position & address: Prof., 69-, Dept. of Anthropology, University of California, Los Angeles, Calif. 90024.
- GRAY, PROF. DAVID J. Sociology. See A-K Vol. 11th ed, Soc. & Behav. Vols. New position & address: Chmn., 69-, Division of Social Science, Kirkland College, Clinton, N.Y. 13323.
- GRAY, DR. DAVID M(ACDONALD). International Relations. See A-K Vol. 11th ed, Soc. & Behav. Vols. New information: V-pres., 69-, Beaver College, Glenside, Pa. 19038.
- GRAY, DR. GEORGE A. b. Ashland, Ore., May 30, 36; m. 60; c. 3. SOCIOLOGY. B.A., Willamette, 62; Nat. Sci. Found. grant, Oregon, 66-67, Ph.D. (sociol.), 68. Instr. SOCIOL., Oregon, 66-67; ASST. PROF., BRITISH COLUMBIA, 67- Res. grants, Univ. British Columbia, 67-69 & Inst. Indust. Rel., 68-69. Mem. tech. adv. cmt., Lower Mainland Regional Planning Bd., 67-69; field supvr. Assn. Univs. & Colls. of Can. Study on Use of Faculty Time in Can. Univs., 68-69. U.S.A., 58-61. Am. Sociol. Assn. Can. Sociol. & Anthropol. Assn. Temporal organization of communities. Address: Dept. of Sociology, University of British Columbia, Vancouver 8, B.C., Can.
- GRAY, DR. RUST F. JR., b. Beloit, Wis., July 27, 37; m. 61; c. 1. BUSINESS ADMINISTRATION, FINANCE. B.A., DePaul, 59; M.B.A., Miami (Fla.), 63; Ph.D. (econ. finance), Illinois, 70. Staff acct., Touche, Ross, Bailey & Smart, 60-62; instr. finance, Miami (Ohio), 63-65; ASST. DEAN DIV. BUS. ADMIN., WRIGHT STATE, 69- Corporate, consumer and public finance. Address: Division of Business Administration, Wright State University, Dayton, Ohio 45431.
- GREBSTEIN, DR. LAWRENCE CHARLES. Psychology. See A-K Vol. 11th ed, Soc. & Behav. Vols. New information: Also asst. dean, 69-, College of Arts & Sciences, University of Rhode Island, Kingston, R.I. 02881.

- GRECO, DR. PETER V. Geography, Education. See A-K Vol, 11th ed, Soc. & Behav. Vols. New position & address: Prof., 69, Dept. of Geography, Oregon College of Education, Monmouth, Ore. 97361.
- GREEN, DR. GERALD W. (WARREN). Psychology, Guidance. See A-K Vol, 11th ed, Soc. & Behav. Vols. New position & address: 68, Social & Rehabilitation Service, Dept. of Health, Education & Welfare, Region X, 1319 Second Ave, Seattle, Wash. 98101.
- GREEN, DR. HARRY A. Political Science, Public Administration. See A-K Vol, 11th ed, Soc. & Behav. Vols. New information: Chief party, Univ. Pitts- burgh group & head dept., pub. admin., 69, Institute of Administration, Ahmadu Bello University, Zaria, Nigeria.
- GREEN, PROF. JAMES L. (EROY). Economic Development, Industrial Relations. See A-K Vol, 11th ed, Soc. & Behav. Vols. New publ.: Economic ecology: baselines for urban development, Univ. Georgia, 69. Address: Dept. of Economics, University of Georgia, Athens, Ga. 30601.
- GREEN, DR. KENNETH F. (ISHER). b. Lewiston, Maine, Oct. 29, 40; m. 63; c. 1. EXPERIMENTAL PSYCHOLOGY. A.B. Brown, 62; M.S. Massachu- setts, 66; Ph.D. (psychol.), 67. Fel. PSYCHOL. Harvard Med. Sch., 67-68; ASST. PROF. CALIF. STATE COL. LONG BEACH, 68. Psychol. Asn. Neu- ral bases of behavior and behavior changes. Address: Dept. of Psychology, California State College at Long Beach, Long Beach, Calif. 90801.
- GREEN, DR. LEON, b. Brooklyn, N.Y., Apr. 3, 34; m. 58; c. 4. PSYCHOLOGY. M.S. City Coll. New York, 57; Ph.D. (psychol.), Yeshiva, 64; cert. Alfred Adler Inst., 65. Sr. clin. psychologist, Cent. Imp. State Hosp., 58-60; tech. psychologist, Hicksville Pub. Schs., 60-66; ASST. PROF. ED. PSYCHOL., QUEENS COL. (N.Y.), 66. Psychol. consult., Yeshiva, 64-66; div. voc. rehab., N.Y. State Dept. Ed., 64-70. Dipl. sch. psychol. Am. Bd. Exam. Prfnl. Psychol., 70. Religion: philosophy; education. Publ.: School psychology— nomad or settler, J. Learning Disabilities, 69, Existential analysis of underachievement, 69 & Existential-religious critique of authority-theori- tarian dichotomy, 70, Nassau Co. Psychol. Bull. Address: 215 Lincoln Blvd., Long Beach, N.Y. 11561.
- GREEN, PROF. LESLIE C. Political Science, International Relations. See A-K Vol, 11th ed, Soc. & Behav. Vols. New position: Univ. prof., 69, Dept. of Political Science, University of Alberta, Edmonton, Alta. Can.
- GREEN, DR. ROGER C. (URTI). Anthropology. See A-K Vol, 11th ed, Soc. & Behav. Vols. New information: Assoc. chmn. dept. anthrop. Bernice P. Bishop Mus., Hawaii, 69-70; Capt. James Cook fel. Royal Soc. N.Z., 70. Ad- dresses: Auckland Institute and Museum, Private Bag, Auckland, N.Z.
- GREENBAUM, DR. MARVIN. Clinical Psychology. See A-K Vol, 11th ed, Soc. & Behav. Vols. New position: Adj. assoc. prof., 68, Dept. of Psychol- ogy, University of Oregon, Eugene, Ore. 97403.
- GREENBERG, DR. IRA A. (RTHUR). b. Brooklyn, N.Y., June 26, 24. PSYCHOL- OGY, PSYCHODRAMA. B.A. Oklahoma, 49; M.A. Southern California, 62; M.S. Calif. State Col. Los Angeles, 63; Ph.D. (psychol.), Claremont Grad. Sch., 67. Reporter, Columbus Enquirer, Ga. 51-55; Louisville Courier-Jour., Ky, 55-56; Los Angeles Times, Calif., 56-62; counsr., Claremont Colls., 64-65; lectr., psychol., Chapman Col., 65-66; psychol. assoc., CAMARILLO STATE HOSP., 67, staff psychologist, 67-69. SUPV. PSYCHOLOGIST, 69. Asst. prof., San Fernando Valley State Col., 67-69; lectr., exten. div., California, Santa Barbara, 68-; vol. psychologist, Free Clin. Los Angeles, 68-; assoc. dir., Calif. Inst. Psychodrama, Los Angeles, 69. Training consult., Topanga Cen- ter Human Develop., Los Angeles, 70-; news notes ed., Comp. Group Studies, Los Angeles, 70- A.U.S. 43-46, U.S.A.R. 50-51, Sgt. AAAS; Psychol. Asn.; Sociol. Asn.; Soc. Group Psychother. & Psychodrama; Soc. Clin. & Exp. Hyp- nosis; Soc. Clin. Hypnosis; Soc. Psychological Res. Attitude change theory, role theory & interpersonal relationships; learning through time-distortion tech- niques of hypnosis; sociometry of groups. Publ.: Psychodrama and audience attitude change, Behav. Studies, Beverly Hills, Calif., 68; Audience in action through psychodrama, 64 & co-auth., Psychodrama audience with emphasis on closed-circuit television, 68, Group Psychother. Address: Dept. of Psy- chology, Camarillo State Hospital, Camarillo, Calif. 93010.
- GREENBERG, DR. MARTIN STEWART, b. Bronx, N.Y., Apr. 3, 37; m. 61. PSYCHOLOGY. B.A. City Coll. New York, 58; Off. Voc. Rehab. fel., Houston, 59-61, M.A. 61, Nat. Inst. Ment. Health fel., 61-63, Ph.D. (psychol.), 63. Lectr. & res. assoc. SOC. PSYCHOL., Michigan, 63-65; asst. prof., Wash- ington (St. Louis), 65-68; ASSOC. PROF., PITTSBURGH, 68. Psychol. Asn.; Soc. Psychol. Study Social Issues. Psychology of social influence and atti- tude change, social exchange theory and theory of indebtedness; social psy- chology of physical disability and illness. Publ.: Role playing: an alternative to deception, J. Personality & Soc. Psychol., 67; co-auth., Reciprocity and intentionality in the giving of help, Proc. 76th Conv. Am. Psychol. Asn., 68. Address: Dept. of Psychology, University of Pittsburgh, Pittsburgh, Pa. 15213.
- GREENBERG, DR. MEYER. Sociology. See A-K Vol, 11th ed, Soc. & Behav. Vols. New information: Also dir., Univ. Maryland Semester in Israel at Tel Aviv Univ., 69. Address: University of Maryland, Language Bldg., 402, College Park, Md. 20742.
- GREENE, DR. ERNEST GERALD. Physiological Psychology. See 12th ed, Phys. & Biol. Vols.
- GREENE, JAMES R. Economics. See A-K Vol, 11th ed, Soc. & Behav. Vols. Change of address: Manufacturers Hanover Trust Co., 350 Park Ave, New York, N.Y. 10022.
- GREENE, DR. KENNETH W. b. Brooklyn, N.Y., Sept. 26, 43; m. 66; c. 2. ECONOMICS. B.B.A. St. John's (N.Y.), 65; M.A. Virginia, 67. Nat. Defense Ed. Act fel. & Ph.D. (econ), 68. ASST. PROF. ECON. STATE UNIV. N.Y. BINGHAMTON, 68. Summers, vis. asst. prof., econ. inst. Univ. Colorado, 69 & State Univ. N.Y. Res. Found. faculty res. fel., 70. Econ. Asn. Inter- governmental fiscal relations; demand for public services by income groups; economics of discrimination; economics of draft and lottery. Publ.: Some institutional considerations in federal-state relations, Publ. Choice, spring 70. Address: Dept. of Economics, State University of New York at Bingham- ton, Binghamton, N.Y. 13901.
- GREENE, LYFORD N. (ORMAN). Economics. See A-K Vol, 11th ed, Soc. & Behav. Vols. New information: Retired, 69. Address: 2 Herkimer Rd., Scarsdale, N.Y. 10583.
- GREENE, ROBERT JUDSON, b. Englewood, N.J., Feb. 20, 31; div. c. 2. PSY- CHOLOGY. B.S. Denison, 58; M.S. Ohio, 60. Psychol. trainee, Athens State Hosp., Ohio, 58-59; clin. psychologist, Annandale State Reformatory, N.J., 60-62; E.R. Johnstone Training & Res. Center, 62-64; res. psychologist, N.J. State Dept. Health, 64-65; clin. psychologist, N.J. Neuropsychiat. Inst., Princeton, 65; res. psychologist, Horizon House, Phila., Pa., 65-66; RES. SCIENTIST, E.R. JOHNSTONE TRAINING & RES. CENTER, 66. Psychol. Asn. Human operant conditioning; exploration of new techniques for modifi- cation of undesirable behaviors. Publ.: Modification of smoking behavior, 4/64 & co-auth., Music distortion: a new technique for behavior modification, 1/70, Psychol. Record; co-auth., Reinforcing capabilities of television distor- tion, J. Appl. Behav. Anal., summer 69. Address: E.R. Johnstone Training & Research Center, Bordenstown, N.J. 08055.
- GREENE, DR. ROBERT LEE, b. Butler, Pa., May 17, 35; m. 61; c. 2. ECO- NOMICS. B.A. Allegheny Col., 57; M.A. Pa. State, 59; Pittsburgh, 61-63; Ph.D. (econ), Florida, 68. Instr. econ. Washington & Jefferson Coll., 59-63; interim instr., Florida, 63-67; ASST. PROF. banking & finance, inst. govt., Georgia, 67-70; ECON. AUBURN, 70- Econ. Asn. Welfare economics; public finance; public utility regulation; local government financing. Publ.: Some notes on state aid to local government, 69 & Significant determinants of municipal water utility pricing and investment policies, 70, Inst. Govt., Univ. Georgia. Address: 330 Shelton Rd., Auburn, Ala. 36830.
- GREENHILL, DEAN (HAROLD) GAYLON. Political Science. See A-K Vol, 11th ed, Soc. & Behav. Vols. New information: Also dean, 69-, Summer School & Extension Services, Wisconsin State University, Whitewater, Wis. 53190.
- GREENHOUSE, DR. PHYLLIS, b. Brooklyn, N.Y., Mar. 27, 24; m. 45; c. 2. EXPERIMENTAL & DEVELOPMENTAL PSYCHOLOGY. B.A. N.Y. Univ., 64; Ph.D. (exp. psychol.), Adelphi, 68. ASST. PROF. EXP. PSYCHOL., Adel- phi Col., 68-69; BROOKLYN COL., 69. Psychol. Asn.; Soc. Res. Child Devel- opment. Research in free recall and paired associate verbal learning with particular emphasis on response integration. Publ.: Co-auth., The effect of rehearsal preventing task upon retention of CVC syllables, J. Verbal Learn- ing & Verbal Behav., 8/65; auth., Free recall under serial and grouped pre- sentation, 11/67 & Integration of word pair responses in paired associate learning, 6/68, Psychonomic Sci. Address: Dept. of Psychology, Brooklyn College, Brooklyn, N.Y. 11210.
- GREENHUT, PROF. MELVIN L. (EONARD). Economics. See A-K Vol, 11th ed, Soc. & Behav. Vols. New position: Distinguished prof., 69-, Dept. of Eco- nomics, Texas A&M University, College Station, Tex. 77843.
- GREENO, DR. JAMES GORDON. Psychology. See A-K Vol, 11th ed, Soc. & Behav. Vols. New position & address: Prof., 68-, Dept. of Psychology, Uni- versity of Michigan, 330 Packard Rd., Ann Arbor, Mich. 48104.
- GREENSHIELDS, PROF. CHARLES M. (ARTIN). Psychology. See A-K Vol, 11th ed, Soc. & Behav. Vols. New position & address: Assoc. prof., 69-, Dept. of Foundations of Education, Auburn University, 4036 Haley Center, Auburn, Ala. 36830.
- GREENSTEIN, DR. HAROLD. Philosophy. See 5th ed, Dir. Am. Scholars, Vol. IV, Philos., Relig. & Law.
- GREENWALD, DR. HERBERT J. Social Psychology. See A-K Vol, 11th ed, Soc. & Behav. Vols. New position & address: Assoc. prof., 69-, Dept. of Psychology, Bridgewater State College, Bridgewater, Mass. 02324.
- GREENWOOD, JAMES W. (ILLIAM), JR. Political Science, Public Administra- tion. See A-K Vol, 11th ed, Soc. & Behav. Vols. New information: Independent mgt. consult., 69. Address: 7314 Lois Lane, Lanham, Md. 20801.
- GREENWOOD, DR. MICHAEL JAMES, b. Chicago, Ill., May 8, 39; m. 64; c. 4. ECONOMICS. B.S. DePaul, 62; M.A. Northwestern, 65, Ph.D. (econ), 67. Asst. prof. ECON. KANSAS STATE, 65-70, ASSOC. PROF., 70- Econ. Asn. Determinants of internal labor mobility in the United States, India and Egypt. Publ.: An analysis of the determinants of internal labor mobility in the United States, Rev. Econ. & Statist., 5/69; Regional differentials in the differential between white and nonwhite unemployment rates, J. Polit. Econ., 5-6/69; The determinants of labor mobility in Egypt, J. Regional Sci., 8/69. Address: Dept. of Economics, Kansas State University, Manhattan, Kans. 66502.
- GREER, DR. RICHARD T. POLITICAL SCIENCE. B.A. St. John's (Minn), 50; M.A. Georgetown, 59. Asst. librn., U.S. Senate Library, 55-62; exec. dir., Oper. & Policy Res. Inc., 62-66; DEPT. DIR. ECON. DEVELOP. ADMIN. U.S. DEPT. COMMERCE, 66. Lectr., for. serv. sch., Georgetown, 62. Cert. of commendation, U.S. Dept. Commerce, 68. U.S.A.F., 44-46, Sgt. Polit. Sci. Asn. Regional economic development emphasizing the role of micro-cities in rural-urban balance. Address: 9222 Lindel Lane, Vienna, Va. 22180.
- GREGERSEN, DR. EDGAR A. (LSTRUP), b. New York, N.Y., Apr. 24, 37. AN- THROPOLOGY, LINGUISTICS. B.A. Queens Col. (N.Y.), 57; Soc. Sci. Res. Coun. fel., Columbia, 61-62; Ph.D. (anthrop.), Yale, 62. Instr.-lectr., African lang., Columbia, 63-68; ASSOC. PROF. ANTHROP., QUEENS COL. (N.Y.), 68- Lang. coordinator, Nigerian Peace Corps Training Prof. & Teachers for

- E. Africa Prog, 63-64; summer, Nat. Defense Ed. Act-Fulbright Hays travel grant, 64. Fel. Anthropol. Assn; African Studies Assn; Ling. Assn. Am. Africa. Publ: Prefix and pronoun in Bantu, Int. J. Am. Ling, 67; Linguistic serialation, African Lang. Rev, 67; Words and things in African prehistory, Anthropol. Ling, 68. Address: Dept. of Anthropology, Queens College, Flushing, N.Y. 11367.
- GREGOR, DR. A. JAMES. Political Science. See A-K Vol, 11th ed, Soc. & Behav. Vols. New Publ: An introduction to metapolitics, Free Press-Glencoe, Macmillan, 70. Address: 75 Parnassus Rd, Berkeley, Calif. 94708.
- GREGORY, DR. JAMES McKANNA, b. Los Angeles, Calif. Apr. 16, 39; m. 61; c. 2. OPERATIONS RESEARCH. B.S. Stanford, 61, M.B.A. 63, M.S. 66, Ph.D.(eng), 67. Consult, Lockheed Missiles & Space Co, 62-63; ops. res. analyst, Stanford Res. Inst, 63-66; SR. SYST. ANALYST & GROUP HEAD, BUNKER-RAMO CORP, 67. Ops. Res. Soc. Am; Inst. Mgt. Sci. Computer networks; information systems; automated decision making; mathematical programming; simulation and modeling of economic, strategic and social processes and systems. Publ: A three dimensional terrain simulator and its use in a ground to flightpath intervisibility model, 65 & Optimum plant size and location under uncertainty, 66, Stanford Res. Inst; Seventh Army tactical operating system software design and evaluation, Bunker-Ramo Corp, 68. Address: Bunker-Ramo Corp, 2121 Industrial Pkwy, Silver Springs, Md. 20904.
- GREGORY, WADE F(RANKLIN). Agricultural Economics. See A-K Vol, 11th ed, Soc. & Behav. Vols. New position: Chief agr. team, U.S. Dept. Agr.-Colombian Ministry Agr, 68-. Address: Bogotá (DD), Dept. of State, Washington, D.C. 20521.
- GREGORY-PANOPOULOS, DR. JOHN FRED. Communications, Telecommunications. See 5th ed, Dir. Am. Scholars, Vol. II, Eng, Speech & Drama.
- GREYSER, DR. STEPHEN A, b. Boston, Mass, Mar. 17, 35; m. 68. BUSINESS ADMINISTRATION, MARKETING. A.B. Harvard, 56, M.B.A. 58, D.B.A. 65. Res. asst. & assoc. BUS. ADMIN. GRAD. SCH. BUS. HARVARD, 58-61, asst. prof, 66-68, ASSOC. PROF, 68-. SECY. ED. ED. HARVARD BUS. REV, 66-, asst. ed & res. dir, 61-66. Kappa Tau Alpha lea. sch. comm. Univ. Illinois, spring 69; Am. Assn. Advert. Agencies Ed. Found. grantee, 69-71; mem. faculty & planning cmt, Harvard Summer Sch. Inst. Arts Admin, 70-Regional dir, Am. Acad. Advert, 64-67; dir. & chmn. pub. bd. Am. Mkt. Assn, 67-69; mem. comm. cmt, U.S. Chamber of Commerce, 69-. U.S.A., 59. Res, 59-65. Spt. Mkt. Assn. Acad. Advert; Assn. Pub. Opinion Res; Coun. Consumer Interests. Public and executive opinion toward business and societal institutions, especially advertising; consumer affairs; advertising decision-making; marketing and communications research; consumer behavior. Publ: Co-auth, Advertising in America: the consumer view, Div. Res, Harvard Bus. Sch, 68; Advanced cases in marketing management, Prentice-Hall, 68; ed, Toward scientific marketing, Am. Mkt. Assn, 64. Address: Graduate School of Business Administration, Harvard University, Boston, Mass. 02163.
- GRIE, DR. THOMAS F(ELIX). Psychology. See A-K Vol, 11th ed, Soc. & Behav. Vols. New position: Prof, 70-, Dept. of Psychology, St. Norbert College, West De Perre, Wis. 54178.
- GRIESON, DR. RONALD EDWARD, b. New York, N.Y., Mar. 8, 43. ECONOMICS. B.A. Queens Col.(N.Y.), 64; N.Y. Regents schol., Rochester, 64-67, univ. fel. & M.A., 67, Herbert H. Lehman fel. & Ph.D.(econ), 70. Instr. ECON, Rochester, 68-69; ASST. PROF. MASS. INST. TECH, 69-. Econ. Assn; Economet. Soc. Cost effectiveness studies of crime prevention and rehabilitation using multiple regression, simultaneous equations and probit analysis; applications of welfare economics to urban economics and state and local public finance. Publ: Pareto optimal tax structure in a neo-classical growth model, summer 67 & A cost effectiveness study of the prevention of juvenile delinquency, winter 68, Econometrica. Address: Dept. of Economics, Massachusetts Institute of Technology, E52-274A, Cambridge, Mass. 02139.
- GRIEVES, DR. FOREST LESLIE, b. Beatty, Nev. Sept. 19, 38; m. 63; c. 1. POLITICAL SCIENCE. B.A. Stanford, 60; Hamburg, 62-63; M.A., Nevada, Reno, 64; Ph.D.(govt), Arizona, 67. ASST. PROF. POLIT. SCI, Western Illinois, 67-69; MONTANA, 69-. U.S.A., 60-62, 1st Lt. Polit. Sci. Assn; Soc. Int. Law. International law, politics and organization; comparative politics, particularly Western Europe and Soviet Union. Publ: Supranationalism and international adjudication, Univ. Ill., 69; Inter-party competition in the Federal Republic of Germany—1945-1965: a methodological inquiry, West. Polit. Quart, 12/67; Reform of the method of rendering decisions in the international court of justice, Am. J. Int. Law, 1/70. Address: Dept. of Political Science, University of Montana, Missoula, Mont. 59801.
- GRIFFIN, DR. DONALD WILLIAM, b. Princeton, Ill, Sept. 26, 33; m. 56; c. 3. GEOGRAPHY. B. Illinois State, 55, M.S. 56; Ph.D.(urban geog), Clark, 63. Instr. GEOG, R.I. Col, 61-62; asst. prof, California, Los Angeles, 63-68; ASSOC. PROF, WESTERN ILLINOIS, 68-. Participant, Nat. Sci. Found. Summer Inst. Comput. Graphics, Washington (Seattle), 64; Ford Found. & African Studies Center field res. grants, W.Africa & West. Europe, summer 65. U.S.A., 56-58. Assn. Am. Geog. Land use change in the central area of American cities. Publ: Co-auth, A restatement of the transition zone concept, Ann. Assn. Am. Geographers, 6/66; auth, Urban redevelopment in Africa: the case of Lagos, Calif. Geographer, 67; co-auth, Land use in the central commercial area, J. Geog, 9/68. Address: Dept. of Geography, Western Illinois University, Macomb, Ill. 61455.
- GRIFFIN, DR. DOROTHY PARK. Clinical Psychology. See A-K Vol, 11th ed, Soc. & Behav. Vols. New position: Chief psychol. serv, N.C. State Dept. Soc. Serv, 69-. Address: 3701 Western Blvd, Raleigh, N.C. 27606.
- GRIFFIN, DR. KEITH B, b. Colon, Panama, Mo. 6, 38; U.S. citizen; m. 56; c. 2. ECONOMICS. B.A. Williams Col, 60; B.Phil, Oxford, 62, D.Phil, 65. Vis. prof. ECON, inst. econ, Chile, 62-65; FEL, MAGDALEN COL, OX-
- FORD, 65-. Agr. planning expert, Govt. Algeria, 63-64; adv. UN, 67; summers, res. adv. Pakistan Inst. Develop. Econ, 65; adv. U.S. Agency Int. Develop, 66; Inter-Am. Cmt. Alliance Progress, 68. Econ. Assn; Royal Econ. Assn. Economic development; international trade and finance; economic planning; agricultural policy; public finance. Publ: Co-auth, Comercio internacional y políticas de desarrollo económico, Fondo de Cultura Económica, 67; auth, Underdevelopment in Spanish America, Allen & Unwin, 69; co-auth, Planning development, Addison-Wesley, 70. Address: Magdalen College, Oxford, Eng.
- GRIFFITH, DR. JOHN ROBERT, JR, b. Topeka, Kans, Nov. 15, 28; m. 57; c. 2. ECONOMICS. B.A. Washburn, 50, J.D. 52; M.A., Missouri-Kansas City, 53; Ph.D.(econ), Kansas, 68. Jr. partner law firm of Keach, Howard, Griffith & Wallace, 55-60; instr. ECON, Northwest Mo. State Col, 63-64; asst. prof, Milliken, 64-68; ASSOC. PROF, Stephen F. Austin State, 68-69; BEEMIDJ STATE COL, 69-. Consult. Center Environ. Studies, North. Minn, 69-. Judge Advocate Gen. C, U.S.A., 52-55, 1st Lt. Econ. Assn. Relation between international interest differential and international capital flows; impact of court congestion on gross national product. Publ: Local draft board action under selective service regulations, Kans. Bar J, 5/52; Effect of I.E.T. on American purchases of European bonds, J. Finance, 6/69. Address: Dept. of Economics, Bemidji State College, Bemidji, Minn. 56601.
- GRIFFITH, DEAN LOUISE (HARVEY), b. Carson, Miss, Nov. 3, 22; m. 48; c. 3. EXPERIMENTAL PSYCHOLOGY. B.A. Miss. Col, 48; M.A., Southern Mississippi, 51, fel, 64-66, Ph.D.(exp. psychol), 68. Teacher, pub. schs, Miss, 48-64; asst. prof. psychol, William Carey Col, 66-67, assoc. prof, 67-68, prof. ed. & psychol. & head dept, 68-69; ASSOC. PROF. PSYCHOL. & DEAN OF WOMEN, MISS. COL, 69-. AAAS; Psychol. Assn; Nat. Assn. Women Deans & Couns. Verbal and motor learning; memory storage and retention and interference theory; conditioning of emotional responses; behavioral modification—therapy; theories of personality; theories of learning. Address: Dept. of Psychology, Mississippi College, P.O. Box 203, Clinton, Miss. 39056.
- GRIFFITH, DR. RICHARD M(ARION). Psychology. See 11th ed, Soc. & Behav. Vols, deceased 69.
- GRIFFITH, PROF. WILLIAM EDGAR, b. Remsen, N.Y., Feb. 19, 20; m. 48; c. 3. POLITICAL SCIENCE, HISTORY. A.B. Hamilton Col, 40; M.A. Harvard, 41, fel, 48-50, Ph.D.(hist), 50. Chief declassification dir, U.S. Mil. Govt. Bavaria, 47-48; asst. to pres. Free Europe Cmt, N.Y., 50-51; polit. adv. Radio Free Europe, Munich, 51-58; PROF. POLIT. SCI, MASS. INST. TECH. & SOVIET DIPLOMACY, FLETCHER SCH. LAW, 59-. Consult. U.S. Dept. State, 67-. Rand Corp, 67-. U.S.A., 42-45, 1st Lt. Polit. Sci. Assn; Assn. Adv. Slavic Studies; Coun. For. Rel. Eastern Europe; Sino-Soviet relations; West Germany, Pub. Albania and the Sino-Soviet rift, 63, The Sino-Soviet rift, 64 & Sino-Soviet relations, 1964-1965, 67, Mass. Inst. Tech. Address: Dept. of Political Science, E53-463, Massachusetts Institute of Technology, Cambridge, Mass. 02139.
- GRIFFITHS, DR. (IOWERTH) ACE. Counseling Psychology. See A-K Vol, 11th ed, Soc. & Behav. Vols. New position: Prof. counseling & ed. psychol, Fresno State College, Fresno, Calif. 93726.
- GRIGG, PROF. CHARLES M(EADE). Sociology. See A-K Vol, 11th ed, Soc. & Behav. Vols. Change of address: 2500 Harriman Circle, Tallahassee, Fla. 32303.
- GRIGG, DR. VERNON H(ERBERT). Industrial Economics. See A-K Vol, 11th ed, Soc. & Behav. Vols. New position & address: V-pres, 69-, Esso Europe Inc, 50 Stratton St, London, W1X 6AA, Eng.
- GRIGGS, DR. JOSEPH WRIGHT, b. Lubbock, Tex. July 9, 30. EDUCATIONAL PSYCHOLOGY. B.A. Sam Houston State Col, 52; summers, Wheaton Col, 56 & 57; M.Ed. North Texas State, 58, Ed.D.(ed. psychol), 64. Teacher, elem. sch, Tex, 49-51; Mich, 55-57; instr. ed. psychol, Cent. State Col. (Okla), 61-64; asst. prof, 64-67, assoc. prof, 67-69; res. assoc. PSYCHOL. DEPT, ED. RES. COUN. AM, CLEVELAND, 69-70, SR. RES. ASSOC, 70-. U.S.A., 53-55. Psychol. Assn. Mental health in education; human growth and development. Publ: Co-auth, Relationship between causal orientation and acceptance of others, self-ideal self congruency and mental health changes for fourth and fifth grade children, J. Ed. Res, 7-8/70. Address: Psychology Dept, Educational Research Council of America, Rockefeller Bldg, Cleveland, Ohio 44113.
- GRILICHES, PROF. H(IRSH) ZVI. Economics. See A-K Vol, 11th ed, Soc. & Behav. Vols. New position: Prof, Howard, 69-. Address: 89 Dorset Rd, Waban, Mass. 02168.
- GRIM, DR. PAUL FREDERICK. Psychology. See A-K Vol, 11th ed, Soc. & Behav. Vols. Change of address: 1634 Denniston Ave, Pittsburgh, Pa. 15217.
- GRIMALDI, DR. JOHN VINCENT. Chemical & Safety Engineering. See Suppl. VI to 11th ed, Phys. & Biol. Vols.
- GRIMES, PROF. GLENN, b. Hartville, Mo, June 17, 23; m. 48; c. 2. AGRICULTURAL ECONOMICS. B.S. Missouri, 51, M.S. 65. County agr. agent, MISSOURI-COLUMBIA, 51-56, asst. prof. AGR. ECON, 56-59, ASSOC. PROF, 59-. Agr. Econ. Assn. Marketing. Address: College of Agriculture, University of Missouri-Columbia, Columbia, Mo. 65201.
- GRIMES, DR. JAMES L(ARRY), b. Kansas City, Mo, Dec. 4, 42; m. 65; c. 2. ANTHROPOLOGY, LINGUISTICS. B.A. Wheaton Col.(Ill), 64; summer, Oklahoma, 64; M.A. Texas, Austin, 67, fel, 67-68 & summer 68, Ph.D.(ling), 69. Res. asst. contemporary Guatemala studies, Inst. Latin Am. Texas, Austin, 65-67; ASST. PROF. ANTHROP. & LING, SOUTHERN ILLINOIS, 69-. Ling. Soc. Am; Anthropol. Assn. Phonological, grammatical and semantic structures in modern Mayan languages; historical relationships between Mayan languages and other Amerindian language; social organization of contemporary rural Guatemala. Publ: The linguistic unity of Cakchiquel-

Trutuil, 4/68. The palatalized velar stop in Proto-Quechua, 1/69 & The phonological history of the Quechuan languages, (in press), Int. J. Am. Ling. Address: Dept. of Anthropology, Southern Illinois University, Carbondale, Ill. 62901.

GRIMES, DR. JOSEPH EVANS. Linguistics. See 5th ed, Dir. Am. Scholars, Vol. III, For. Lang. Ling. & Philol.

GRIMES, DR. WALTER FRANCIS, b. Galetan, Pa., May 22, 30; m. 63; c. 2. SOCIOLOGY. B.S. Mansfield State Col., 52; Henry Strong Dennison fel, Cornell, 58, M.S., 59, Ph.D. (rural social), 63. Sr. technician, Sylvania Elec. Prod. Inc., 52-57; res. assoc. sociol. of health, Cornell, 59, med. sociol., Univ. Pa., 62-63; grad. sch. pub. health, Pittsburgh, 63-65; asst. prof. sociol., Univ. Pa., 64-65; res. assoc. med. sociol. sch. pub. health, Michigan, 65-67; lectr. SOCIOL., Eastern Michigan, 67; ASSOC. PROF., MANSFIELD STATE COL., 67- Participant, Nat. Sci. Found. Summer Inst. Mass Polit. Commun., Ohio-Univ., 70. Sociol. Asn. Political sociology; sociological theory, particularly sociology of knowledge; social psychiatry; urban and medical sociol. Pub. Co-auth. Study of public health careers: some characteristics of industrial physicians, J. Occup. Med., 3/66. Address: Dept. of Sociology, Mansfield State College, Mansfield, Pa. 16933.

GRIMSHAW, PROF. IAN D'AY. Sociology. See A-K Vol, 11th ed, Soc. & Behav. Vols. New position: Prof. sociol. Indiana, Bloomington, 68. New position: longer dir. inst. comp. social. Address: Dept. of Sociology, Indiana University, Bloomington, Ind. 47401.

GRIMSLEY, DR. DOUGLAS L. Physiological Psychology. See A-K Vol, 11th ed, Soc. & Behav. Vols. New position & address: Assoc. prof., 68, Dept. of Psychology, University of Southern Mississippi, Hattiesburg, Miss. 39401.

GRINDLE, DR. SHERMAN K. b. Olympia, Wash., Apr. 12, 30; m. 54; c. 4. ORGANIZATIONAL BEHAVIOR. B.S. Mass. Inst. Tech., 52, M.S., 54; Ph.D. (orgn. behav.), Case Western Reserve, 67. Suprv. design, Mass. Inst. Tech., 52-56; asst. to v-pres. acct. affairs, Case Inst. Tech., 58-60; dir. acad. serv., 60-65; asst. to pres., 64-65; orgn. specialist, cybernetic sys., 65-67; ASSOC. DIR. ENGN. DESIGN, CASE WESTERN RESERVE, 66-, ASSOC. PROF. ORGN. BEHAV., 69- Administr. to bd, Cleveland State Univ., 65; orgn. consult. & mem. cross-cultural ed. faculty on Peace Corps training projs. managed by Westinghouse & orgn. specialist on UNIDOS proj., plan for downtown transportation system, 66; co-coordinator, Downtown Agency Transportation Action & entrepreneur, New Learning Environ. Group, 68-; mgt. & training consult., 68- Mem. Inst. Appl. Behav. Sci., Nat. Training Lab. Interprofessional collaboration; socio technical systems development; educational systems; urban problem solving; organization development. Pub. Co-auth. Toward an integrative process for urban problem solving, Proc. Symp. Engr. & City, 68; auth. Organization development—an introductory overview, Bus. Quart., winter 69 & The informal action group: one way to collaborate in a university, J. Appl. Behav. Sci., 69. Address: 860 Beechers Brook Rd, Cleveland, Ohio 44143.

GRISIO, DR. J. THOMAS, b. Dayton, Ohio, Oct. 17, 42; m. 64. PSYCHOLOGY. M.A., Ashland Col., 64; M.A., Arizona, 66, Ph.D. (clin. psychol.), 69. Psychol. intern. Conn. Valley Hosp., 67-68; ASST. PROF. CLIN. PSYCHOL. & CLIN. PSYCHOLOGIST, ASHLAND COL., 69- Psychol. Asn. Psychological testing; psychopathology; psychotherapy. Pub. Co-auth. Test interference in a Rorschach-WAIS sequence, J. Consult. Psychol., 67; auth. Verbal behavior and the action-thought admissibility, J. Abnorm. Psychol., 70. Address: 313-C Hillcrest Dr., Ashland, Ohio 44805.

GRISWOLD, PROF. JOHN ALFRED. Economics. See A-K Vol, 11th ed, Soc. & Behav. Vols. Change of address: Dept. of Finance, School of Business, Florida State University, Tallahassee, Fla. 32306.

GROFF, DR. WILLIAM HAROLD, b. Kinzers, Pa., Oct. 16, 30; m. 52; c. 2. SOCIOLOGY. A.B. Franklin & Marshall Col., 60; M.A., Connecticut, 62; Nat. Defense Ed. Act fel, Brown, 62-64; Nat. Inst. Ment. Health fel, 64-65, Ph.D. (sociol.), 68. Instr. sociol., South Carolina, 65-67; ASST. PROF., 67-68; RURAL SOCIOL., CONNECTICUT, 68- U.S.N., 51-56. Sociol. Asn. Pop. Asn. Am. Population, urban and metropolitan growth; epidemiology; poverty in the North East. Pub. Co-auth. Tourist facilities along the Connecticut Turnpike, Col. Agr. Exp. Sta. Univ. Connecticut, 62. Address: Dept. of Rural Sociology, University of Connecticut, Storrs, Conn. 06268.

GROSMAYER, PROF. FREDERICK (ANDREW), JR. Psychology. See A-K Vol, 11th ed, Soc. & Behav. Vols. New information: Also dir. East. Inst. Center & dean gen. studies div., 69-, Earlham College, Richmond, Ind. 47374.

GROMAN, DR. WILLIAM D. Psychology. See A-K Vol, 11th ed, Soc. & Behav. Vols. New position & address: Assoc. prof., Dept. of Psychology, Virginia Commonwealth University, Richmond, Va. 23220.

GROMEN, PROF. RICHARD JOHN. British History. See Suppl. I to 5th ed, Dir. Am. Scholars.

GROOM, DR. JOHN L(OUIS). Government. See 11th ed, Soc. & Behav. Vols., deceased.

GROSOF, PROF. ELLIOTT HOWARD. Sociology. See A-K Vol, 11th ed, Soc. & Behav. Vols. Change of address: 77 Nottingham Terr., Buffalo, N.Y. 14216.

GROSS, DR. ANDREW CHARLES, b. Budapest, Hungary, Apr. 24, 35; U.S. citizen; m. 60; c. 2. ECONOMICS. MARKETING. B.S. Case Inst. Tech., 57; Nat. City Bank Cleveland scholar, Western Reserve, 61-62, M.B.A., 62; Battelle Mem. Inst. fel, Ohio State, 62-64, Ph.D. (econ.), 68; Center Community Studies fel, Saskatchewan, 64-65. Assoc. engr., Ohio Edison Co., 57-60; staff engr., Sohio Pipe Line Co., 60-61; off. engr., Dept. Hyws, Painesville, 61-62; tech. officer, Dom. Bur. Statist., Ottawa, 65; asst. instr. econ., Ohio State, 65-66; instr. econ. mkt., Lehigh, 66-68; ASST. PROF. BUS. ADMIN., CLEVELAND STATE, 68- Fel, Case Inst. Tech., summer 68. Res. assoc.,

Predicasts, Inc., Cleveland, Ohio, 61-62, res. consult., 68- U.S.A. 59, Res., 59-69. Econ. Asn.; Mgmt. Asn.; Indust. Reia. Res. Asn. Labor, manpower and managerial economics; economics of research and development; statistics; marketing research; industrial marketing; consumerism; educational administration; higher education; engineering economics and education. Pub. Small computers, Predicasts, 70; On engineering students and engineering education, J. Higher Ed., 10/69; Patterns and determinants of income of Canadian engineering graduates, Indust. & Labor Reia. Rev., 10/69. Address: College of Business Administration, Cleveland State University, Cleveland, Ohio 44115.

GROSS, PROF. BERTRAM M(YRON). Political Science, Business Administration. See A-K Vol, 11th ed, Soc. & Behav. Vols. New address: Dir., 68-, Center for Urban Studies, Wayne State University, Detroit, Mich. 48202.

GROSS, CHARLES ROBERT. Industrial Psychology. See A-K Vol, 11th ed, Soc. & Behav. Vols. New position: Personnel officer, dept. pub. health, Laguna Honda Hosp., City & County San Francisco, 69- Address: 3523 21st St., San Francisco, Calif. 94114.

GROSS, PROF. FELIKS. Sociology. See A-K Vol, 11th ed, Soc. & Behav. Vols. New information: Mem. doctoral faculty, grad. center, City Univ. N.Y. Address: Dept. of Sociology, Brooklyn College, Brooklyn, N.Y. 11210.

GROSS, FRANK PETER, b. Nov. 3, 34; U.S. citizen. SPECIAL EDUCATION, EDUCATIONAL ADMINISTRATION. B.A., Ohio Wesleyan, 56; M.A., Ohio State, 57; summers, Kent State, 63, Harvard, 65. Teaching asst., Ohio State, 57-58; intern sch. psychologist, Delaware City Schs., Ohio, 58-59, psychologist, 60-65; dir. pupil personnel serv., 59-63; dir. pupil personnel serv. Local Schs., Ohio, 63-65; chief psychologist & admin. asst., DIV. SPEC. ED., OHIO STATE DEPT. ED., 65-66, ED. ADMINSTR., PUPIL SERV., 66- Instr. Ohio Wesleyan, 59-63; Miami (Ohio), 63-65; grad. sch., Ohio State, 66. Founding pres., Delaware Speech & Hearing Center, Ohio, 59-61, mem., 59-63. Mem., Ohio Inter-univ. Coun. Speech & Hearing, 65-, Ohio Dept. Ed. rep. to exec. bd, 66-, Ohio State Dept. Ed. rep. & secy., Ohio Inter-univ. Coun. Trainers of Sch. Psychologist, 65- Coun. Except. Children, Nat. Asn. Sch. Psychologists; Nat. Asn. Pupil Personnel Administr. Pub. History and development of school speech and hearing therapy in Ohio, Ohio Dept. Ed. 66. The position of school psychologists in negotiations: one viewpoint, J. Sch. Psychol. summer 68. An analysis of the case loads of school psychologists, Psychol. in Schs., fall 68; plus others. Address: 186 Eldon Ave., Columbus, Ohio 43204.

GROSS, PROF. JACK L(OUIS). Business Administration. See A-K Vol, 11th ed, Soc. & Behav. Vols. New information: Prof. mkt. & acting dir. bur. econ. & bus. res. Temple. Address: Media Statistics, Inc., 509 Madison Ave., New York, N.Y. 10022.

GROSS, DR. MORRIS B. b. Scranton, Pa., July 6, 28; m. 64; c. 5. PSYCHOLOGY. A.B., Brooklyn Col., 49; M.A. & Ed.D. (psychol.), Columbia, 66. Psychologist, Mt. Sinai Hosp., New York, 56-58; Jewish Ed. Cmt., 56-66; ASST. PSYCHOL., LEHMAN COL., 66- Instr. Hofstra, 64-66. Psychol. Asst. Co-auth. Psychologist's casebook, Jewish Ed. Cmt., 61; auth. Learning readiness, Center Urban Ed., 67. Address: 128 W. Walnut St., Long Beach, N.Y. 11561.

GROSS, DR. REUBEN HERMAN. Modern History, Social Sciences. See 5th ed, Dir. Am. Scholars, Vol. I, Hist.

GROSS, DR. RUTH B(RILL), b. Moorefield, W.Va., Feb. 9, 34; m. 53; c. 3. CLINICAL PSYCHOLOGY. B.S. West Virginia, 57, M.S., 58, Ph.D. (clin. psychol.), 65. Clin. consult., counseling center, Ohio State, 65-66, chmn. personal counseling div., 66-67; ASST. PROF. PSYCHIAT. & PSYCHOL., CIN. CINCINNATI, 67- Consult., Wesley Child Care Center, Cincinnati, Ohio, 65- Psychol. Asn. Adjustment problems of college students; ego and developmental psychology; creativity. Pub. Co-auth. The structural approach in psychological testing, Pergamon, New York, (in press); auth. Role and responsibilities of the personal counselor in a university counseling service, J. Counseling Psychol., 68; Supportive therapy for the depressed college student, Psychother.: Theory, Res., Practice, 68. Address: 1015 Redway Ave., Cincinnati, Ohio 45229.

GROSSBERG, DR. STEPHEN. Mathematics, Psychology. See Suppl. V & VI to 11th ed, Phys. & Biol. Vols.

GROSSCUP, DR. GORDON L(EONARD). Anthropology. See A-K Vol, 11th ed, Soc. & Behav. Vols. New position: Assoc. prof., 69-, Dept. of Anthropology, Wayne State University, Detroit, Mich. 48202.

GROSSE, PROF. ROBERT N(ATHAN). Economics. See A-K Vol, 11th ed, Soc. & Behav. Vols. New position & address: Prof. health planning, 66-, School of Public Health, University of Michigan, Ann Arbor, Mich. 48104.

GROSSET, PROF. SERGE, b. Khabarovsk, U.S.S.R., Feb. 8, 20; U.S. citizen; m. 53; c. 1. ECONOMICS, INTERNATIONAL BUSINESS. Baccalauréat, Aix-Marseille, 38; lic. bus. Geneva, 43, Dr. (econ.), 51. Law clerk, Dupré & Meysson, Paris, 45-47; actuary, Helvetia S.A., Brussels, Belgium, 47-48; adj.-secy. Swiss Mercantile Soc. Geneva Sect., 49-51; bus. mgr. Calorie S.A., Geneva, 51-54; PROF. INT. BUS., DUQUESNE, 54- Vis. assoc. prof., grad. sch. bus. California, Berkeley & lectr. sch. world bus. San Francisco State Col., 63-64; summers, res. asst., grad. sch. bus., Columbia, 59; Duquesne Univ.-Fed. Govt. grant studies in East Africa, 61. Econ. Asn. Economic development; international business, particularly the multinational corporation. Pub. L'organisation professionnelle dans le Canton de Genève, Georg & Cie, S.A., Geneva, 51 & Management: American and European styles, Wadsworth, 70; Reflections on entrepreneurship in Europe and America, Duquesne Rev., spring 68. Address: 22 W. Bruceton, Pittsburgh, Pa. 15236.

GROSSMAN, DR. HERSCHEL IVAN, b. Philadelphia, Pa., Mar. 6, 39; m. 60; c. 2. ECONOMICS. B.A., Virginia, 60; B.Phil., Oxford, 62; Ph.D. (econ), Hop-

- kins, 65. Asst. prof. ECON. BROWN, 64-69, ASSOC. PROF. 69- Nat. Sci. Found. grant, 69- Econ. Asn; Finance Asn. Economic theory; monetary economics. Publ: Reserve base, reserve requirements, and the equilibrium rate of interest, *Quart. J. Econ.*, 87; Expectations, transactions costs, and asset demands, *J. Finance*, 69; Theories of markets without recontracting, *J. Econ. Theory*, 70. Address: Dept. of Economics, Brown University, Providence, R.I. 02912.
- GROSSMAN, MORTON C. Economics. See A-K Vol. 11th ed, Soc. & Behav. Vols. New information: Res. fel. develop. adv. serv., 66- Center for International Affairs, Harvard University, 1737 Cambridge St, Cambridge, Mass. 02138.
- GROTA, DR. LEE J. Experimental Psychology. See Suppl. VI to 11th ed, Phys. & Biol. Vols.
- GROTEFLUESCHEN, DR. ARDEN, b. Columbus, Mebr, 21, 40; m. 62; c. 3. EDUCATIONAL PSYCHOLOGY. B.S. Concordia Teachers Col. (Nebr.), 61; M.A. Minnesota, Minneapolis, 65; Ed.D. (ed. psychol.) Nebraska, Lincoln, 67. Instr. ed. psychol. Concordia Teachers Col. (Nebr.), 62-63; res. assoc. adult ed. Nebraska, Lincoln, 64-66; Teachers Col. Columbia, 66-68; Nat. Ed. Res. fel. 66-69; ASST. PROF. ED. PSYCHOL., ILLINOIS, URBANA, 69- Consult. Cmn. Col. Physics, 66; Biol. Sci. Curriculum Study, 69- Chmn. Adult Ed. Res. Coun. 69-70. Ed. Res. Asn. Adult learning and instruction. Publ: Co-auth. Analysis of the quick word test as an estimate of adult mental ability, *J. Ed. Measurement*, 67, Adult intelligence and learning ability, *Adult Ed.*, 68 & Effects of differentially structured introductory materials and learning tasks on learning and transfer, *Am. Ed. Res. J.*, 68. Address: 270 Education Bldg., University of Illinois, Urbana, Ill. 61801.
- GROTPETER, DR. JOHN JOSEPH, b. St. Louis, Mo, Nov. 30, 38; m. 67; c. 1. POLITICAL SCIENCE. B.S. St. Louis, 60; Woodrow Wilson Found. fel. & M.A. Duke, 61; Woodrow Wilson Found. am. fel. & Ph.D. (polit. sci.), Washington (St. Louis), 65. Instr. POLIT. SCI., ST. LOUIS COL. PHARM., 62-64, asst. prof. 64-68, ASSOC. PROF. 68- CHMN. DIV. LIB. ARTS, 66- Instr. Webster Col. & St. Louis, 64- Polit. Sci. Asn; fel. African Studies Asn. African political development, especially in Southern African and particularly in Botswana, Lesotho and Swaziland. Address: 7560 Stanford, St. Louis, Mo. 63130.
- GROVE, DR. DAVID, b. Youngstown, Ohio, Oct. 17, 35; m. 57; c. 3. ANTHROPOLOGY. A.B. California, Los Angeles, 58, M.A., 65, Ph.D. (anthrop), 68. ASST. PROF. ANTHROP., STATE UNIV. N.Y. BINGHAMTON, 68- State Univ. N.Y. res. fel. 68-70. Am. Anthropol. Asn; Soc. Am. Archaeol; Mex. Anthropol. Soc. Mesoamerican culture history, emphasis upon civilization and its development; Olmec culture in central Mexico. Publ: The Olmec cave paintings of Oxtotitlan Cave, Guerrero: studies in pre-Columbian art and archaeology, *Dumbarton Oaks Res. Library & Collection*, Wash, 70; Chalcatzingo, Morelos, Mexico: a re-appraisal of the Olmec rock carvings, *Am. Antiq.*, Vol. 33, No. 4; The pre-classic Olmec in central Mexico: site distribution and inferences, In: *Dumbarton Oaks conference on the Olmec*, *Dumbarton Oaks Res. Library & Collection*, 68. Address: Dept. of Anthropology, State University of New York at Binghamton, Binghamton, N.Y. 13901.
- GROVE, DR. ROBERT D(UNKLE). Statistics. See A-K Vol. 11th ed, Soc. & Behav. Vols. New information: Retired, 69. Address: 2526 Pinook Lane, Reston, Va. 22070.
- GROVE, DR. WILLIAM R(ICHARD). Clinical Psychology. See A-K Vol. 11th ed, Soc. & Behav. Vols. New information: Retired, 68. Address: 1635 W. Main St, Wytheville, Va. 24382.
- GROVES, PROF. HAROLD (MARTIN). Economics. See 11th ed, Soc. & Behav. Vols. deceased 69.
- GRUB, DR. PHILLIP DONALD, b. Medical Lake, Wash, Aug. 8, 31. INTERNATIONAL ECONOMICS, BUSINESS ADMINISTRATION. B.A. (econ) & B.A. (bus. ed). East. Wash. State Col. 53; M.B.A. George Washington, 60, Scottish Rite Found. & Am. Security & Trust Co. fel. 60-64, Ph.D. (int. trade), 64. Dir. pub. info. Hq. U.S. Army, Far East, 54-56; chmn. dept. bus. ed. Twisp Sr. High Sch. 56-58; Mead Sr. High Sch. 58-59; vis. prof. East. Wash. State Col. 60-62; pres. Phillip Grub Assocs, 60-64; ASSOC. PROF. BUS. ADMIN. GEORGE WASHINGTON, 64- CHMN. DEPT. 68, dir. prog. int. bus. 64-68. Summers, mem. N.Y. Univ. Workshop. Int. Bus. 65, fel. Found. on the Hudson, 66. Mem. Pres. Nat. Export Expansion Coun. 70. U.S.A. 54-56, Sgt. Acad. Mgt. Asn; Econ. Asn; Asn. Ed. Int. Bus. (reas. 68-). Managerial and executive leadership and development; international transfer of management skills. Publ: Co-auth. Executive leadership: the art of successfully managing resources, *MDI Publ.*, 69, American-East European trade, *Nat. Press. Inc.*, 69 & Changing patterns in the industrial development of Venezuela: the personal care and pharmaceutical industries (2 parts), *J. Develop. Areas*, 69. Address: Dept. of Business Administration, George Washington University, Washington, D.C. 20006.
- GRUBER, DR. LESLIE, b. Winnipeg, Man, Aug. 5, 25; m. 65. SPEECH PATHOLOGY, PSYCHOLOGY. B.S. Western Michigan, 54; M.A. Southern Mississippi, 56; David Ross grant & Ph.D. (ment. retardation), Purdue, 65. Speech correction, Evansville, Ind. Center, 56-57; Evansville Pub. Sch. Corp., 57-61; ASSOC. PROF. SPEECH PATH. CENTRAL MICHIGAN, 64- Speech & Hearing Asn; Asn. Ment. Deficiency; Coun. Except. Children. Stuttering, mental retardation. Publ: Co-auth. A case book in stuttering, Harper, 57; Auditory perceptual abilities of institutionalized mentally retarded children, *9/65* & Perception expression and intelligence in institutionalized mentally retarded children, 11/66, *Am. J. Ment. Deficiency*. Address: Dept. of Speech, Central Michigan University, Mt. Pleasant, Mich. 48858.
- GRUBERG, DR. MARTIN. Political Science. See A-K Vol. 11th ed, Soc. & Behav. Vols. New information: Also Chmn. 66, Dept. of Political Science, Wisconsin State University, Oshkosh, Wis. 54901.
- GRUEN, EDWARD (DIETRICH). Economics. See A-K Vol. 11th ed, Soc. & Behav. Vols. New position: Chief econ. statist. br, Foreign Trade Division, Bureau of the Census, Federal Office Bldg. 4, Room 2220, Washington, D.C. 20233.
- GRUEN, DR. GERALD ELMER, b. Granite City, Ill, July 19, 37; m. 60; c. 2. PSYCHOLOGY. A.B. Southern Illinois, 59; M.A., Illinois, 63, Ph.D. (clin. psychol.), 64. Psychometrician, counseling & testing center, Southern Illinois, 59-60; teaching asst., dept. ed., Illinois, 60-61, res. asst., dept. psychol., 61-64; fel. Heinz Werner Inst. Develop. Psychol., Clark Univ. & Worcester State Hosp., Mass., 64-66; asst. prof. PSYCHOL., PURDUE, 66-69, ASSOC. PROF. 69- U.S. Off. Ed. grants, 68-71, Consult. Regional Off. Vet. Admin, Indianapolis, Ind. N. Newton Community Sch. Corp. & Voc. Rehab. Off., Lafayette, 68- AAAS; Psychol. Asn; Soc. Res. Child Develop. Developmental psychology, especially cognitive development; effects of motivational factors on cognitive performance. Publ: Experiences affecting the development of number conservation in children, 65 & Note on conservation: methodological and definitional considerations, 66, *Child Develop.*; Expectancy of success and the probability learning of middle and lower-class children, *Develop. Psychol.*, 68. Address: Dept. of Psychology, Purdue University, Lafayette, Ind. 47907.
- GRUEN, DR. RICHARD E. b. Lehigh, Pa. Apr. 8, 30; m. 55; c. 1. PSYCHOLOGY. B.A., N.Y. Univ., 51, M.A., 56, Ph.D. (psychol.), 63. Couns. N.Y. State Employment Serv., 55-56; couns. teacher & adminstr., New York City Bd. Ed., 56-58; instr. soc. sci. group, specialized counseling prog., dept. stud. serv., Brooklyn Col., 58-63, asst. prof. soc. sci. group & ed. & deputy coordinator specialized counseling, 64-67; asst. prof. psychol., Hunter Col., 63-64; dir. counseling, div. counseling & student develop., YORK COL. (N.Y.), 67-68, ASSOC. PROF. PSYCHOL. & ASSOC. DEAN DIV. COUNSELING & STUDENT DEVELOP., 68- Vis. asst. prof., N.Y. Univ., 63-68, ad. assoc. prof., 68-70; lectr., Higher Ed. Exec. Assocs., 68-69. U.S.A., 52-54. Psychol. Asn; Personnel & Guid. Asn; Asn. Couns. Ed. & Supv; Nat. Voc. Guid. Asn; Asn. Measuremen. & Eval. Guid. Counseling, clinical & social psychology; psychotherapy. Publ: Co-auth. Professional preparation for college placement, *J. Col. Placement*, 1/66; 2 chaps. In: *The counseling of college students*, Free Press, 68. Address: Apt. 134, 4 Washington Square Village, New York, N.Y. 10012.
- GRUENBERG, DR. GLADYS W(ALLEMAN). Economics. See A-K Vol. 11th ed, Soc. & Behav. Vols. New position: Assoc. prof. econ. St. Louis, 69- Address: 801 Jackson St., St. Louis, Mo. 63130.
- GRUHN, DR. ISEBILL V. Political Science. See A-K Vol. 11th ed, Soc. & Behav. Vols. New position & address: Asst. prof. polit., 69- Stevenson College, University of California, Santa Cruz, Calif. 95060.
- GRUHN, DR. RUTH, b. San Francisco, Calif., Sept. 20, 35; m. 61; c. 1. ANTHROPOLOGY. B.A., Radcliffe Col., 57, Ph.D. (anthrop), 61; Inst. Archaeol., London, 61-63. Sessional lectr. ANTHROP., ALBERTA, 63-65, asst. prof., 65-68, ASSOC. PROF. 68- Nat. Sci. Found. fel. 61-63; Can. Coun. leave fel. 69-70. Fel. Am. Anthropol. Asn; Soc. Am. Archaeol; fel. Royal Anthropol. Inst. Gt. Brit. & Ireland. Archaeology and ethnology of Middle America and South America; environmental archaeology; Pleistocene geology; language and culture. Publ: The archaeology of Wilson Butte Cave, Idaho, *Occasional Papers of Idaho State Univ.*, Mus. 61. Address: Dept. of Anthropology, University of Alberta, Edmonton, Alta, Can.
- GRUNBERG, PROF. EMILE. Economics. See A-K Vol. 11th ed, Soc. & Behav. Vols. New information: No longer head, Dept. of Economics, University of Akron, Akron, Ohio 44304.
- GRUNDEN, DR. LEE R(OBERT). Neuropsychology, Behavioral Pharmacology. See Suppl. VI to 11th ed, Phys. & Biol. Vols.
- GRUNDVIG, DR. JOHN LANCE. Physiological & Clinical Psychology. See A-K Vol. 11th ed, Soc. & Behav. Vols. New position: Chief psychol. & psychol. res. 70-, Veterans Administration Hospital, Knoxville, Iowa 50138.
- GRUNDY, DR. KENNETH WILLIAM, b. Philadelphia, Pa. Aug. 6, 36; m. 60; c. 2. POLITICAL SCIENCE. B.A. Ursinus Col., 58; Nat. Defense Ed. Act fel. Pa. State, 61, Ph.D. (polit. sci.), 63. Asst. prof. POLIT. SCI., San Fernando Valley State Col., 63-66, ASSOC. PROF. CASE WEST. RESERVE, 66- Rockefeller grant & vis. sr. lectr., Makerere Univ. Col., Univ. East Africa, 67-68; summers, vis. asst. prof., Pa. State, 65, lectr., Am. Studies Seminars. Falkenstein & Tausus, Germany, 68. Polit. Sci. Asn; fel. African Studies Asn. African political systems, especially ideologies and international affairs. Publ: Co-auth. African socialism, Stanford, 64 & African political thought, *N.Y. Univ.*, 68; auth. Conflicting images of the military in Africa, *East African Pub. House*, 68. Address: Dept. of Political Science, Case Western Reserve University, University Circle, Cleveland, Ohio 44106.
- GRUNEWALD, DR. DONALD. Business Administration. See A-K Vol. 11th ed, Soc. & Behav. Vols. New position: V-pres. & dean, col. liberal arts & sci., 69-, Suffolk University, 41 Temple St, Boston, Mass. 02114.
- GRUNZKE, COL. MARVIN E. U.S.A.F. Comparative Psychology. See A-K Vol. 11th ed, Soc. & Behav. Vols. New position: Dep. chief personnel res. & anal. div. Hq. U.S. Air Force, 69- Address: 8818 Skokie Lane, Vienna, Va. 22180.
- GUBA, DR. EGON G(OTTTHOLD). Educational Research. See A-K Vol. 11th ed, Soc. & Behav. Vols. New information: Also assoc. dean sch. ed., Indiana, Bloomington, 68- Address: 825 E. Eighth St, Bloomington, Ind. 47401.
- GUE, DR. RONALD (LEE). Operations Research. See A-K Vol. 11th ed, Soc. & Behav. Vols. New position & address: Pres. & chmn. bd., 70-, Medicus Corp., 1104 Expressway Tower, Dallas, Tex. 75206.
- GUEDRY, DR. LEO JOSEPH, b. Morganza, La, Nov. 2, 40; m. 64; c. 2. AGRICULTURAL ECONOMICS. B.S., La. State, 63; M.A., Illinois, 65; Ph.D.

- (agr. econ), Oregon State, 70. Asst. agr. econ. Oregon State, 67-69; ASST. PROF. AGR. ECON. & AGRIBUS. LA. STATE, BATON ROUGE, 69- Agr. Econ. Asn; Econ. Asn. Resource economics; outdoor recreation. Publ. Co-auth. Spatial structure of the feed grain economy, Exp. Sta., Univ. Illinois, 65 & Sociological characteristics in the demand for outdoor recreation, Tech. Cmt. West. Agr. Econ. Res. Coun. 68. Address: Dept. of Agricultural Economics & Agribusiness, Louisiana State University, Baton Rouge, La. 70803.
- GUERIN, PROF. JOSEPH R.** b. Philadelphia, Pa., Jan. 28, 26; m. 51; c. 7. **ECONOMICS.** B.A., La Salle Col., 48; M.A., Fordham, 50; Ph.D. (econ). Pennsylvania, 60. Instr. ECON. Dayton, 49-52; St. Joseph's Col. (Pa), 52-55; Pennsylvania, 55-56; PROF. ST. JOSEPH'S COL. (PA), 56. Summers, Ford Found. fel. Faculty Res. Seminar, 64; State Dept. specialist grant to lect. in Guatemala, 65. U.S.A.A.F., 44-46. Econ. Asn. Food marketing institutions in developing economies; quality of product as an economic variable. Publ. Excise taxation and quality of product, Pub. Finance, 60; Limitations of supermarkets in Spain, J. Mkt., 64; New food-marketing institutions in an underdeveloped economy, Food Res. Inst. Studies, 65. Address: 2419 Bryn Mawr Ave, Ardmore, Pa. 19003.
- GUERTIN, PROF. WILSON H (OWLAND).** Psychology. See A-K Vol, 11th ed, Soc. & Behav. Vols. New position: Prof. 68-. College of Education, University of Florida, Gainesville, Fla. 32601.
- GUEST, PROF. ROBERT H (ENRY).** Industrial Sociology. See A-K Vol, 11th ed, Soc. & Behav. Vols. Correction: prof. bus. admin, Amos Tuck Sch., Dartmouth Col., 60-66; prof. orgn. behav. 66-. Address: 8 Barrett Rd, Hanover, N.H. 03755.
- GUFFEY, PROF. LOREN.** b. Mt. Pulaski, Ill., Apr. 9, 36; m. 61; c. 2. **ECONOMICS.** B.S., Tulsa, 61; M.A., Arkansas, 63, Ph.D. (bus. econ), 66. Asst. prof. econ. & bus. Drury Col., 64-65; assoc. prof. ECON. STATE COL. ARK., 65-70; PROF., 70-. Summers, Gen. Elec. fel. seminar appl. econ, Univ. Chicago, 66; Nat. Sci. Found. fel. inst. col. teachers econ, Univ. South Carolina, 70. Mem. Ark. Planning Cmn, summer 68; pub. adv. cmt. Center Leisure Sci., 69-. U.S.A.F., 54-58. Econ. Asn. Address: Dept. of Economics, State College of Arkansas, Conway, Ark. 72032.
- GULLIAMS, DR. CLARK (IRVIN).** Psychology. See A-K Vol, 11th ed, Soc. & Behav. Vols. New information: Also head, 70-. Dept. of Psychology, Missouri Southern State College, Joplin, Mo. 64801.
- GUINAN, SISTER ST. MICHAEL, O.S.U.** b. Mt. Carmel, Ont., Jan. 1, 04. **PSYCHOLOGY.** B.A., Western Ontario, 23; M.A., Catholic Univ., 37. Nat. Res. Coun. fel. Laval, 46-49, lic. 48. Ph.D. (psychol. philos.), 49. From lectr. to prof. philos. & psychol., Brescia Col., Western Ontario, 38-66, head dept., 49-68; EXEC. OFFICER & RESEARCHER, DEPT. SOC. & FAMILY SERV., 68-. Can. Coun. summer res. grant, Widener Library, Harvard, 63, 64 & 65. Mem. Ont. Govt. Interdept. Adv. Cmt. Aging, 67-; London Coun. Adult Ed., 68-. Can. Psychol. Asn; Can. Polit. Sci. Asn; Can. Asn. Adult Ed.; Can. Philos. Asn; Can. Welfare Coun; Interam. Psychol. Asn. Existential and social philosophy; aesthetics; developmental psychology; aging. Publ. Existential analyst and the human condition, Proc. Am. Cath. Philos. Asn; Roman Catholic women's communities, In: Encyclopedia Canadiana. Address: Office on Aging, Dept. of Social and Family Services, Fifth Floor, Hepburn Bldg., Parliament Bldgs., Toronto 5, Ont., Can.
- GUIORA, DR. ALEXANDER Z (EEV).** Clinical Psychology. See A-K Vol, 11th ed, Soc. & Behav. Vols. New position: Prof. 70-. Dept. of Psychiatry, University of Michigan, Ann Arbor, Mich. 48104.
- GUTHRIE, DR. HAROLD DANIEL,** b. Walnut, Ill., June 16, 27; m. 53; c. 3. **AGRICULTURAL ECONOMICS.** B.S., Illinois, Urbana-Champaign, 49, M.S., 50, Ph.D. (agr. econ), 62; Washington (St. Louis), 51. Agr. economist, Doane Agr. Serv. Inc., 50-56; asst. prof. agr. exten., ILLINOIS URBANA, 56-62. ASSOC. PROF., 62-66, AGR. ECON. (UNIV. 66-. Chief party, Univ. Illinois-Agency Int. Develop. Contract in Jordan, 64-66, assoc. prof. leader, Cmt. Inst. Coop-Agency Int. Develop. Rural Develop. Res. Proj., 66-68. Agr. comm. award, Am. Asn. Agr. Col. Ed., 61. U.S.N.R., 45-46. Agr. Econ. Asn. Agricultural communities; institution building in rural and economic development; agricultural policy and public affairs. Publ. Co-auth. Mission overseas, Univ. Illinois, 69; auth. Factors influencing farmer's decisions to leave farming, J. Farm Econ, 63 & Direct payments: an increasing proportion of farm income and changing geographic distribution, Am. J. Agr. Econ, 69. Address: 613 Harding Dr, Urbana, Ill. 61801.
- GUJARATI, DR. DAMODAR N.** b. Poona, India, Dec. 12, 36; m. 65; c. 2. **QUANTITATIVE ECONOMICS.** M.Com., Bombay, 60; M.B.A., Chicago, 63, Ph.D. (econ), 65. Lectr. econ, BARUCH COL., 65-68, ASSOC. PROF. ECON. & ECONOMET, 68-. Econometric research in employment, productivity and production functions. Publ. The economics of Davis-Bacon Act, J. Bus., 7/67; Cyclical behavior of help-wanted index and unemployment rate, Rev. Econ. & Statist., 11/69; Labor's share in U.S. industries, Indust. & Labor Rels. Rev., 11/69. Address: Dept. of Economics, Baruch College, 17 Lexington Ave, New York, N.Y. 10010.
- GULATI, DR. UMESH C.** b. Pakistan, Sept. 27, 33; m. 63; c. 2. **ECONOMICS.** B.A. (Hons), Delhi, 54, M.A., 56; Earnhart Found. fel. & Ph.D. (econ), Virginia, 69. Econ. investr. Ministry of Commerce & Finance, Govt. India, 56-64; exten. instr. ECON. Virginia, 66-67, instr. summer 67; ASSOC. PROF. EAST CAROLINA, 67-. Econ. Asn. Economic policy and development in India; scarcity of capital and interest rates in underdeveloped countries, especially India. Address: Dept. of Economics, East Carolina University, Greenville, N.C. 27834.
- GULLAHORN, DR. JEANNE E (RARD).** Social Psychology. See A-K Vol, 11th ed, Soc. & Behav. Vols. New position: Assoc. prof., 68-. Mich. State, 69-. Address: 313 E. Brookfield Dr, East Lansing, Mich. 48823.
- GULUTSAN, DR. METRO.** b. Buchanan, Sask., Nov. 25, 25; m. 47; c. 3. **EDUCATIONAL PSYCHOLOGY.** B.A., Saskatchewan, 47, B.Ed., 52; Ph.D. (ed. psychol), California, Berkeley, 62. Teacher, pub. schs., Sask., 43-48; ed. psychologist, Govt. Sask., 49-60; instr. ED. PSYCHOL., British Columbia, 60-62; asst. prof. ALBERTA, 62-64, ASSOC. PROF., 64-. Can. Coun. fel., 68-69. Can. Psychol. Asn; Can. Int. & Comp. Ed. Soc. International comparative psychology of education, particularly Soviet and East European; human learning and development. Publ. Some effects of mental health instruction, 65 & Jean Piaget in Soviet psychology, 67, Alta. J. Ed. Res., Recent trends in Soviet educational psychology, Can. Psychologist, 67. Address: Dept. of Educational Psychology, University of Alberta, Edmonton, Alta., Can.
- GUMPERZ, PROF. (JOHN) (JOSEPH),** b. Hattingen, Germany, Jan. 9, 22; nat. m. 60; c. 2. **ANTHROPOLOGY, LINGUISTICS.** A.B., Cincinnati, 48; M.A., Michigan, 49, Ph.D. (Germanic ling.), 54. Res. assoc. ling. Cornell, 52-53, instr., 53-54; Ford Found. fel. India, 54-56; instr. Hindi, CALIFORNIA, BERKELEY, 56-57, asst. prof. S.Asian Lang., 57-61, assoc. prof. S.Asian lang. & ling., 61-65, PROF. ANTHROP. & CHMN. CENTER SOUTH & SOUTH-EAST ASIA STUDIES, 67-. Nat. Sci. Found. fel., 62-63. Summer vis. prof., Decan Col., 57, Ling. Inst. Am. Indiana, Bloomington, 64. Ling. Soc. Am., fel. Anthropol. Soc. Asn. Asian Studies. Sociolinguistics and anthropological linguistics; applied linguistics; Hindi and other South Asian languages. Publ. Co-ed, Linguistic diversity in South Asia, Indiana Univ., 60; co-auth. Conversational Hindi-Urdu, Univ. California, 62-63; co-ed, The ethnography of communication, Am. Anthropologist, 64. Address: Dept. of Anthropology, University of California, Berkeley, Calif. 94720.
- GUNLICKS, DR. ARTHUR B.** Political Science. See A-K Vol, 11th ed, Soc. & Behav. Vols. New position & address: Asst. prof., 68-. Dept. of Political Science, University of Richmond, Richmond, Va. 23173.
- GUNN, PROF. H (AROLD) D (ALE).** Cultural Anthropology. See A-K Vol, 11th ed, Soc. & Behav. Vols. New position: Assoc. prof. anthropol. & hist., Lincoln (Pa), 69-. Address: P.O. Box 22, Lincoln University, Pa. 19352.
- GUNN, DR. WALTER J.** b. Harrison, N.J., Dec. 9, 35; m. 60; c. 3. **EXPERIMENTAL PSYCHOLOGY, ELECTRONIC ENGINEERING.** B.S., U.S. Merchant Marine Acad., 59; Newark Col. Eng., 61-62; Fairleigh Dickinson, 61-62. Stevens Inst. Tech., 62-65; M.A., Louisville, 67, Ph.D. (exp. psychol), 69. Asst. prof. engr. Bendix Corp., N.J., 60-63; electronic instrumentation engr., Feldman Res. Lab., Pitsburgh, 63-65; med. res. lab. U.S. Army, Ky., 65-67, res. scientist, human resources res. unit, 67-69; asst. prof. speech & hearing, Cincinnati, 69-70; ASSOC. RESEARCHER, SCH. PUB. HEALTH & ADMIN. MED. COLUMBIA, 70-. Electronic consult. engr. Lamont Geol. Observ., 60-61; psychol. dept. Univ. Louisville, 65-69; Cincinnati, 68-69. U.S.N.R., 56-68. Auditory processes; psychoacoustics; research audiology; middle ear reflex; psychological and physiological effects of sound. Publ. Co-auth. Correlation of performance in detecting visual and auditory signals, Am. J. Psychol., 6/67; auth. Effects of attending to auditory signals on the magnitude of the acoustic reflex, U.S. Army Med. Res. Lab., Ft. Knox, Ky., 9/67. Address: 128 Ft. Washington Ave, Apt. 6K, New York, N.Y. 10032.
- GUNNERSON, DR. JAMES H (OWARD).** Anthropology. See A-K Vol, 11th ed, Soc. & Behav. Vols. New position: Prof. anthropol. Northern Illinois, 70-. dir. anthropol. labs, 69-. Address: Dept. of Anthropology, Northern Illinois University, De Kalb, Ill. 60115.
- GUNNISON, DR. HUGH JR.** b. Mt. Kisco, N.Y., Nov. 26, 29; m. 52; c. 2. **COUNSELING, EDUCATIONAL PSYCHOLOGY.** B.A., St. Lawrence, 52, M.Ed., 59; Ed.D. (counseling), Syracuse, 64. Teacher, LaFargeville Cent. Sch., 57-60; asst. prof. psychol. Onondaga Community Col., 63-64; lectr. counseling, Syracuse, 64-65; ASSOC. PROF. ED. ST. LAWRENCE, 65. Hosp. C., U.S.C.G., 52-56. Psychol. Asn; Personnel & Guid. Asn. Psychological health, human potential through education, counseling and group procedures. Publ. Hypotheses regarding psychological health and social philosophies, J. Humanistic Psychol., spring 67. Address: 11 Harrison St., Canton, N.Y. 13617.
- GUPTA, DR. ANAND PRAKASH,** b. Baghat, India, July 8, 37; m. 66. **ECONOMICS, FINANCE.** B.Com., Agra, 57, M.Com., 59; M.A., Florida, 63, Inst. Int. Ed. Develop. fel., summer 67, Ph.D. (econ), 68; guest scholar, Brookings Inst., summer 68. Asst. prof. commerce, S.D. Col., India, 59-62; econ. K.M. Col., Univ. Delhi, 64-65; bus. economist, Hindustan Motors Ltd., 65-66; assoc. prof. ECON. PIKEVILLE COL., 68-69, chmn. dept. econ., 69-70, CHMN. DIV. SOC. SCI., 70-. Participant, U.S. Dept. Health, Ed. & Welfare Admin. Develop. Proj., 69. Econ. consult., Indian Chamber of Commerce, spring 66; tax consult., Pikeville Model City Prog., spring 69; consult., Dept. Revenue, Government of Ky., 70-. Econ. Asn; Finance Asn; Nat. Bus. Econ. Nat. Tax Asn; Tax Inst., Can. City Prog., 69. Corporate income taxation in India with special reference to the tax rate structure and tax incentive schemes. Publ. Macro-economic approach to transport planning in India, 12/64 & co-auth. Corporate dividend policy in India, 1956-65, 3/66, Indian J. Commerce. Address: Division of Social Science, Pikeville College, Pikeville, Ky. 41501.
- GUPTA, DR. ARJUN KUMAR.** Mathematical Statistics. See Suppl. VI to 11th ed, Phys. & Biol. Vols.
- GUPTA, DR. CHAITAN PRAKASH.** Mathematics. See Suppl. V to 11th ed, Phys. & Biol. Vols.
- GUPTA, DR. MANAK C.** b. Abu Road, India, Aug. 7, 32; m. 64; c. 2. **FINANCE.** B.A., Agra, 53; M.A., Allahabad, 55; Hallam fel. & M.B.A., California, Los Angeles, 66. Bley-Stein Mem. fel. & Ph.D. (finance), 67. ASST. PROF. commerce, Iodhpur, 62-65; FINANCE, Pk. State, 67-69; STATE UNIV. N.Y. BUFFALO, 69-. Finance Asn. Economics; quantitative methods. Publ. Elements of portfolio theory and investments, D.H. Mark & Co., 69. The effect of size, growth, and industry on the financial structure of manufacturing companies, J. Finance, 6/69. Address: 324 Crosby Hall, School of Management, State University of New York at Buffalo, Buffalo, N.Y. 14214.
- GUPTA, DR. R. P. b. India, Apr. 1, 42; m. 64; c. 2. STATISTICS.** B.S., Agra, 60, M.S., 62, Ph.D. (statist), Delhi, 65. Fel. STATIST. Delhi, 65-68; ASST. PROF., Florida, 68-68; DALHOUSIE, 68-. Nat. Res. Coun. Can. grants, 68-

- 69, 69-70. *Am. Statist. Assn.*; *Can. Math. Cong.*; *India Statist. Assn.* Multivariate analysis; principal components analysis; derivation of Wishart and other distributions in complex cases. Address: Dept. of Mathematics, Dalhousie University, Halifax, N.S., Can.
- GUPTA, DR. ROGER, b. India, Apr. 24, 17; m. 66; c. 3. **ECONOMICS. FINANCE.** B.A. Panjab, W. Pakistan, 41; M.A. Panjab, India, 52; M.B.A. N.Y. Univ. 56; Ph.D. (econ), Maryland, 58. Mgr. The Times of India, Delhi, 49-53; instr. econ, Bridgeport, 57-60; ASSOC. PROF. finance & mgt, Rochester Inst. Tech, 60-64; finance, Eastern Michigan, 64-68; MGT. & FINANCE, KENT STATE, 66- Econ. Assn. Business finance; macroeconomics; statistics; computer science. Publ. Electronic information processing 70 & Computer programming, 71, Macmillan; Foreign aid and trade of India, Rivista Politica Economica, 11/67. Address: Dept. of Management, Kent State University, Kent, Ohio 44240.
- GUPTA, DR. SHIV K. b. Sonepat, India, Apr. 15, 27; m. 63; c. 3. **MANAGEMENT, OPERATIONS RESEARCH.** B.A. Delhi, 47; M.A., 49; Ph.D. (oper. res), Case Inst. Tech, 60. Lectr. math. St. Stephens Coll. Delhi, 49-52; sr. sci. asst. & jr. sci. officer, Defence Sci. Orgn. New Delhi, 52-57; asst. res. assoc. & asst. prof. Case Inst. Tech, 57-63; prof. Indian Inst. Mgt, Calcutta, 63-66; assoc. prof. STATIST. & OPER. RES. MGT. SCI. CENTRE, WHARTON SCH. PENNSYLVANIA, 66-70; PROF. 70- Vis. prof. Sussex, 69-70. Mem. res. adv. cmt. str. India, 63-66. **Oper. Res. Soc. Am.**; **Inst. Mgt. Sci.**; **Oper. Res. Soc. India.** Long range planning; facility requirements and location; production and inventory control; sales; advertising and pricing strategy; investment decision; capacity expansion; replacement and maintenance logistics; operations research in education; industrial and government research in India. Publ. Co-auth. Scientific method, 62 & Mathematics for modern management, 63, Wiley; Robustness in sequential investment decisions, Mgt. Sci., 68. Address: Dept. of Statistics & Operations Research, Wharton School, University of Pennsylvania, Philadelphia, Pa. 19104.
- GUROWITZ, DR. EDWARD M (ARTIN). **Physiological Psychology.** See Suppl. VI to 11th ed, *Phys.* & *Biol.* Vols.
- GURR, DR. TED (ROBERT). **Political Science.** See A-K Vol, 11th ed, *Soc. & Behav.* Vols. New position & address: Assoc. prof, 69-, Dept. of Political Science, Northwestern University, Evanston, Ill. 60201.
- GURSSLIN, DR. ORVILLE R. b. Middleport, N.Y. Oct. 8, 26; m. 50; c. 1. **SOCIOLOGY.** B.A. Buffalo, 50, M.S.S. 52, Ph.D. (sociol), 61. Res. dir. SO-COL, Buffalo Youth Bd, N.Y. 57-61; lectr. State Univ. N.Y. Buffalo, 61-62; asst. prof, 62-64; res. assoc. Voc. Guid. & Rehab. Serv. Cleveland, Ohio, 64-65; ASSOC. PROF. Connecticut, 65-67; OHIO, 67- Russell Sage Found. fel. 61-62; State Univ. N.Y. grant, summer 64. Helen L. DeRoy award, 60. U.S.A. 45-46. **Sociol. Assn. Philos. Sci. Assn.**; **Soc. Study. Social. Social stratification; criminology and delinquency; social pathology and industrial sociology.** Publ. Co-auth. Social stratification in the United States, Prentice-Hall, 69, Social status and psychiatric service in a child guidance clinic, *Am. Sociol. Rev.*, 2/58 & Some issues in training the unemployed, *Soc. Probs.*, summer 64. Address: R.D. 1, Box 277, Gaysville, Ohio 45735.
- GUSTAD, PRES. JOHN W (ILBERT). **Psychology.** See A-K Vol, 11th ed, *Soc. & Behav.* Vols. New position & address: Pres, 69-, Fort Hays Kansas State College, Hays, Kans. 67601.
- GUSTAV, PROF. ALICE. **Psychology.** See A-K Vol, 11th ed, *Soc. & Behav.* Vols. New position & address: Prof. Dept. of Psychology, Monmouth College, West Long Branch, N.J. 07764.
- GUSTAVUS, DR. SUSAN ORR, b. Ft. Monmouth, N.J. Apr. 15, 44; m. 68. **SOCIOLOGY.** B.A. Fla. State, 65, M.S. 66, Nat. Defense Ed. Act fel. 66-68, Ph.D. (sociol), 68. **Instr. Sociol., Fla. State,** 68-70; ASST. PROF. UTAH, 70- Consult. U.S. Nat. Center for Health Statist., summer 69. **Pop. Assn. Am. Soc.**; **Am. Soc. Demography**, particularly fertility analysis. Publ. Co-auth. Population: the dynamics of demographic change, Houghton, (in prep); The true educational attainment of the U.S. population: 1910-1960, 68 & The formation and stability of ideal family size among young people, 2/70, *Demography.* Address: Dept. of Sociology, University of Utah, Salt Lake City, Utah 84112.
- GUTENBERG, PROF. ARTHUR W (ILLIAM). **Business Economics.** See A-K Vol, 11th ed, *Soc. & Behav.* Vols. New position: Prof. mgt. grad. sch. bus. admin, Southern California, 69- Address: 1428 Santa Margarita, Arcadia, Calif. 91006.
- GUTERMAN, DR. STANLEY S (ANFORD). **Sociology.** See A-K Vol, 11th ed, *Soc. & Behav.* Vols. New position & address: Asst. prof, 69-, Dept. of Sociology, Rutgers, The State University, New Brunswick, N.J. 08903.
- GUTH, PROF. WILLIAM D. b. St. Louis, Mo, Jan. 14, 33; m. 67. **BUSINESS MANAGEMENT.** B.S.B.A. Washington (St. Louis), 53; M.B.A. Indiana, 54; D.B.A. Harvard, 60. **Assoc. prof. BUS. POLICY,** Harvard, 60-64, assoc. prof, 65-68; vis. prof. Carnegie-Mellon Univ, 64-65; PROF. COLUMBIA, 68- Lectr. Int. Bus. Mech. Corp., Gen. Elec. Co., Motorola Inc., Olivetti International Corp. & Univ. Bradford, 62- Consult. Boise Cascade, Dyad Sys. Inc., Imp. Chem. Indus. Ltd. & Ford Found., 68- Soc. Pub. Admin; Social, Assn; Soc. Appl. Anthropol; Inst. Mgt. Sci.; Acad. Mgt. Business policy. Publ. Co-auth. Business policy: text and cases, Irwin, rev. ed, 69; Personal values and corporate strategy, Harvard Bus. Rev. 5/65. Address: Columbia University, 105 Uris Hall, New York, N.Y. 10027.
- GUTHRIE, PROF. GEORGE M (RUER). **Psychology.** See A-K Vol, 11th ed, *Soc. & Behav.* Vols. Change of address: 514 Psychology Bldg, Pennsylvania State University, University Park, Pa. 16802.
- GUTHRIE, DR. GERALD DAVID, b. Portland, Ore, Jan. 9, 40; m. 60; c. 2. **PSYCHOLOGY.** B.S. Lewis & Clark Col, 62; M.S. Clark, 64, Ph.D. (psychol), 66. **ASST. PROF. PSYCHOL,** Washington State, 67-69; **PACIFIC UNIV,** 69- Fel. child clin. psychol. med. center, Colorado, 66-67. **Psychol. Assn. Cog-**
- nitive development and style. Publ. Co-auth. Subliminal perception or perception of partial-cue with pictorial stimuli, *J. Personality & Soc. Psychol.*, Vol. 3, No. 6. Address: Dept. of Psychology, Pacific University, Forest Grove, Ore. 97116.
- GUTHRIE, PROF. HAROLD W (WOODSON). **Economics.** See A-K Vol, 11th ed, *Soc. & Behav.* Vols. New position & address: Sr. researcher, 69-, Urban Institute, 2100 M St. N.W., Washington, D.C. 20037.
- GUTHRIE, DR. JOHN T. b. Denver, Colo, June 9, 42; m. 65; c. 1. **EDUCATIONAL PSYCHOLOGY.** B.A. Earlham Col, 64; M.A. Illinois, 66, Ph.D. (ed. psychol), 68. **ASST. PROF. ED. PSYCHOL,** HOPKINS & PROF. DIR. CONCEPT LEARNING, CENTER FOR STUDY OF SOC. ORGN. SCI., 68- Hopkins Univ. faculty res. grant, 68-69. **Psychol. Assn.**; **Ed. Res. Assn.** Concept formation; discovery learning; instructional technology; reading comprehension; feedback in verbal learning. Publ. Co-auth. Effects of some sequential manipulations on concept learning, *J. Exp. Psychol.*, 66; auth. Expository instruction versus a discovery method, *J. Ed. Psychol.*, 67 & The effect of two types of verbal hierarchy on problem solving, *J. Gen. Psychol.*, 70. Address: Dept. of Education, Johns Hopkins University, Baltimore, Md. 21218.
- GUTKIND, PROF. PETER C. W. **Anthropology.** See A-K Vol, 11th ed, *Soc. & Behav.* Vols. New position: Prof, 69-, Dept. of Anthropology, McGill University, Montreal 2, Que, Can.
- GUY, DR. MARJORIE. **Economics.** See A-K Vol, 11th ed, *Soc. & Behav.* Vols. New position & address: Assoc. prof, 69-, West Georgia College, Carrollton, Ga. 30117.
- GUZMAN, DR. LOUIS E (RIQUE). **Geography.** See A-K Vol, 11th ed, *Soc. & Behav.* Vols. Change of address: U.S. Agency for International Development, American Consulate, Recife, Brazil, APO New York 09676.
- GUZMAN-ARENAS, DR. ADOLFO. **Computer Science, Electrical Engineering.** See Suppl. VI to 11th ed, *Phys.* & *Biol.* Vols.
- GWALTNEY, DR. HENRY (OLIVER), JR. **Psychology.** See A-K Vol, 11th ed, *Soc. & Behav.* Vols. New position: V. pres. princ. serv. Psychol. Consult, Inc, 69- Address: 1114 West Ave, Richmond, Va. 23220.
- GWALTNEY, DR. JOHN L. b. Orange, N.J. Sept. 25, 28; m. 64; c. 2. **ANTHROPOLOGY.** B.A. Upsala Col, 52; John Hay Whitney fel. & M.A. New Sch. Soc. Res, 57; Nat. Insts. Health fel. & Ph.D. (anthrop), Columbia, 67. Lectr. current affairs, Henry George Sch. & Polit. Sci., 58-59; ASSOC. PROF. ANTHRO. STATE UNIV. N.Y. COL. CORTLAND, 67- N.Y. State Joint Awards Coun- Univ. Awards Cmt. fel. & grant in aid, 69. Participant, *Am. Orthopsychiat. Assn. Conf.*, 69; seminar, Centre Int. Coop. Univ. Ottawa (Ont), 69. **Fel. Anthrop. Assn.**; **Ethnol. Soc.**; **Soc. Appl. Anthropol.** Race relations; stress studies; intermediate ethnicity; caste and caste-like political organization. Publ. The thrice shy, Columbia Univ, 70; The blind of San Pedro Yolo, *Am. Scholar*, winter 65-66. Address: Dept. of Sociology & Anthropology, State University of New York College at Cortland, Cortland, N.Y. 13845.
- GWYN, PROF. WILLIAM B (RENT). **Political Science.** See A-K Vol, 11th ed, *Soc. & Behav.* Vols. New position: Prof, 69-, Dept. of Political Science, Tulane University, New Orleans, La. 70118.
- GWYNNE-THOMAS, PROF. ERIC HUBERT, b. Swansea, Wales, Aug. 28, 17; m. 62; c. 1. **GEOGRAPHY, ANTHROPOLOGY.** B.A. Univ. Col. London, 39; dipl. pub. admin, London, 46; dipl. ed, Oxford, 47; Ed.D. Stanford, 65. Sr. master, sec. sch. U.K. 47-53; Her Majesty's inspector schs, Ministry Ed, 54-62; assoc. prof. ED. & GEOG. MISSOURI-KANSAS CITY, 65-69, PROF. 69- Exchange teacher, South Haven, Mich., 51-52. **Soc. Sci. UNESCO Adv. Cmt.** Wales, 58-62; mem. int. activities cmt. Nat. Coun. Soc. Studies, 66-69, ad hoc textbook cmt., 67-68. **Assn. Am. Geog.**; **Am. Geog. Soc.**; **Am. Inst. Urban & Regional Affairs.** Address: Dept. of Geography & Education, University of Missouri-Kansas City, 5100 Rockhill Rd, Kansas City, Mo. 64110.

H

- HAAKENSON, DR. ROBERT (HOWARD). **Business Communication.** See A-K Vol, 11th ed, *Soc. & Behav.* Vols. New position: Assoc. dir. pub. rels, 69-, Smith Kline & French Labs, 1500 Spring Garden St, Philadelphia, Pa. 19101.
- HAAS, PROF. JAMES ANTHONY. **Philosophy.** See 5th ed, *Dir. of Am. Scholars*, Vol. IV, Philos, Relig. & Law.
- HAAS, DR. MICHAEL. **Political Science.** See A-K Vol, 11th ed, *Soc. & Behav.* Vols. Correction in address: Dept. of Political Science, 2500 Campus Rd, University of Hawaii, Honolulu, Hawaii 96822.
- HAAS, DR. RAYMOND M (ICHAEL). **Marketing, Business Administration.** See A-K Vol, 11th ed, *Soc. & Behav.* Vols. New information: Also asst. to pres. 69-, West Virginia University, 100 Administration Bldg, Morgantown, W. Va. 26506.
- HABBE, DR. STEPHEN. **Psychology.** See A-K Vol, 11th ed, *Soc. & Behav.* Vols. New information: Retired, 69. Address: 38 Elgin St, Hamden, Conn. 06517.
- HABEL, PROF. SAMUEL TILDEN, b. Natural Bridge, Va, Oct. 20, 08; m. 32; c. 2. **SOCIOLOGY, PHILOSOPHY.** B.A. Richmond, 27; Th.M. South. Theol. Sem, 30; Faculté Libre Théol. Protestante, Paris, France, 38; Ph.D. Edinburgh, 45; North Carolina, 58. Minister, W. End Baptist Church, Suffolk, Va., 40-48; Univ. Baptist Church, Univ. North Carolina, 48-58; res. church hist, 54; assoc. prof. soc. psychol. Ga. South. Col. 58-62, prof. philos. & sociol, 62-64, mem. grad. faculty & head dept. sociol. & philos, 63-64, res. grant sociol, 63; PROF. SOCIOL, MARSHALL, 64- Vis. prof. Ph.D., 64; Kana- wala Valley Grad. Center, West Virginia Univ, 68. **Soc. Assn. Religion,**

church history; social psychology and pathology; cultural anthropology; social theory; marriage and the family. Publ: Baptists at Chapel Hill, Univ. Church, Chapel Hill, N.C. 54; The twelve apostles, Creighton, 57; The social scientist and emergent norms: a demonstration of suggested potential roles, J. Proc. W.Va. Acad. Sci. 67. Address: Dept. of Sociology, Marshall University, Huntington, W.Va. 25701.

HABERER, DR. JOHN (FREDERICK). Economics. See A-K Vol. 11th ed, Soc. & Behav. Vols. New position: Dir. long range planning & orgn. Int. Bus. Mach. Can. Ltd. 69- Address: 285 St. Leonard's Ave, Toronto 12, Ont. Can.

HABERLAND, DR. JOHN ANDREW. Clinical Psychology. See A-K Vol. 11th ed, Soc. & Behav. Vols. New position: Chief clin. psychologist, Orange County Med. Center, 69- Address: 1330 Victoria Dr, Apt. A, Fullerton, Calif. 92631.

HABIB, NATHAN. Economics, Geography. See A-K Vol. 11th ed, Soc. & Behav. Vols. New information: Feature ed, Elephant's Roar, 69- Address: 11106 Eascrest Dr, Wheaton, Md. 20902.

HACK, GEORGE D(ONALD). Geography, Economics. See A-K Vol. 11th ed, Soc. & Behav. Vols. New position: Dir. bur. state planning & prog, 69- Dept. of Community Affairs, Jefferson Bldg, Jefferson City, Mo. 65101.

HACKLER, DR. JAMES C. b. Stockton, Calif, June 15, 30; m. 64. SOCIOLOGY. B.S. California, 52; M.A. San Jose State Col, 59; Ph.D.(sociol), Washington (Seattle), 65. Teacher, Mt. Diablo Sch. Dist, Calif, 56-61; res. dir. Opportunities for Youth, Seattle, Wash, 64-65; asst. prof. SOCIOL. ALBERTA, 65-68, ASSOC. PROF. 68- Res. grants, Dept. Nat. Health & Welfare, Can, 67-69, Can. Coun, 68-69, 69-71. Bobbs-Merrill Award, 65. U.S.A., 1st Lt. Am. Sociol. Assn; Am. Soc. Study Social Probs; Can. Sociol. & Anthropol. Assn. Criminology; delinquency; deviant behavior. Publ: Boys, blisters, and behavior: the impact of a work program in an urban central area, J. Res. In Crime & Delinquency, 7/68; Predictors of deviant behavior: norms vs. the perceived anticipations of others, 5/68 & Systematic bias in measuring self-reported delinquency, 5/69; Can. Rev. Sociol. & Anthropol. Address: Dept. of Sociology, University of Alberta, Edmonton 7, Alta, Can.

HADDAN, DR. EUGENE E. Educational Psychology. See A-K Vol. 11th ed, Soc. & Behav. Vols. Publ: Co-auth, Systematic application of psychology to education, Macmillan, 64 (title change). Address: Dept. of Education, Eastern Michigan University, Ypsilanti, Mich. 48197.

HADDEN, DR. SAMUEL (BERNARD). Neuropsychiatry. See A-K Vol. 11th ed, Soc. & Behav. Vols. New information: Emer. assoc. prof. psychiat, Pennsylvania, 68- Address: 135 S. 19th St, Suite 504, Philadelphia, Pa. 19103.

HADJITANIS, DR. DEMOS PANAYI. b. Syngressis, Cyprus, Dec. 1, 23; U.S. citizen; m. 58; c. 3. ECONOMICS. B.Sc. Okla. State, 53; M.Sc. Okla, 54; Ph.D.(econ), Minnesota, 67. Asst. ECON. Minnesota, 54-56, instr, 56-60; asst. prof. St. Olaf Col, 60-65; COL. ST. THOMAS, 65-69, ASSOC. PROF. 69- Summers, Ford Found. faculty res. fel, Chicago, 64, Hull Found. grant, 68. Econ. Assn. Monetary and fiscal theory; comparative economic systems; international economics; history of economic analysis; international finance. Address: Dept. of Economics, College of St. Thomas, St. Paul, Minn. 55101.

HADWIGER, DR. KEN E. Mass Communications, Communications Research. See 5th ed, Dir. Am. Scholars, Vol. II, Eng. Speech & Drama.

HAERTZEN, DR. CHARLES ANTHONY. Clinical Psychology. See A-K Vol. 11th ed, Soc. & Behav. Vols. Change of address: 2386 Randolph Court, Lexington, Ky. 40503.

HAERBECKER, DR. GORDON M(LITON). Economics. See A-K Vol. 11th ed, Soc. & Behav. Vols. Change of address: 1800 Brawley St, Stevens Point, Wis. 54481.

HAFFAR, PROF. AHMAD R. Political Science. See A-K Vol. 11th ed, Soc. & Behav. Vols. New position: Prof. Dept. of Political Science, State University of New York College at New Paltz, New Paltz, N.Y. 12561.

HAFFNER, DR. JAMES A(LLAN), b. Chicago, Ill, Dec. 2, 37; m. 65; c. 2. GEOGRAPHY. A.B. Miami (Ohio), 63; M.A. Michigan, 65; Ph.D. (geog), 70. ASST. PROF. GEOG. MASSACHUSETTS, AMHERST, 69- U.S.A., 38-61. Assn. Am. Geog. Assn. Asian Studies. Demography, agriculture and economic development as related to traditional peasant economic and social systems in Southeast Asia, particularly Thailand and the Philippines. Publ: The Pathet Lao and change in the traditional economies of the Meo and Kha, Mich. Acad. Arts, Sci. & Letters, 65. Address: 238 Morrill Science Center, University of Massachusetts, Amherst, Mass. 01002.

HAFFNER, DR. LAWRENCE E. b. Alva, Okla, Jan. 1, 24; m. 52; c. 2. LANGUAGE ARTS, READING. B.S. Ed, Concordia Teachers Col, 51; M.Ed. Missouri, 56; D.Ed. (reading, psychol), 60. Teacher, parochial schs, Mo, 51-54; Ill, 54-56; instr. psychol. & reading, Illinois State, 56-58; asst. inst. & phils. ed, Missouri, 59-60; asst. prof. psychol. & reading & dir. reading clin, Southeast. State Col, 60-62; asst. prof. READING, Southern Illinois, 62-66; ASSOC. PROF. GEORGIA, 66- Dir. Nat. Defense Ed. Act adv. inst. reading, Tackikawa, Japan, summer 68. Co-ed. yearbooks, Nat. Reading Conf, 63-65, med. bur. dirs, 67; ed. J. Reading Behav, 68- U.S.N.R., 42-45. Nat. Coun. Teachers of English. Reference and study skills; vocabulary-perception; linguistics. Publ: Improving reading in secondary schools, 67 & Teaching reading in elementary schools, (in prep), Macmillan; Use of context in determining meanings in high school and college classes, In: What research says to the classroom teacher, J. Reading, 4/67. Address: Reading Dept, University of Georgia, Athens, Ga. 30601.

HAGE, DR. JERALD. Sociology. See A-K Vol. 11th ed, Soc. & Behav. Vols. New position: Assoc. prof, 68- Dept. of Sociology, University of Wisconsin, Madison, Wis. 53706.

HAGE, PROF. GEORGE S. b. Madelia, Minn, Nov. 4, 14; m. 49; c. 3. JOURNALISM, AMERICAN STUDIES. B.A. Minnesota, 39; M.A., 40; Ph.D. (Am. studies), 56. Instr. journalism, MINNESOTA, MINNEAPOLIS, 46-57, assoc. prof, 57-65, PROF. JOURNALISM & AM. STUDIES, 65- U.S.A. F, 42-46, Capt. Assn. Ed. in Journalism; Am. Studies Assn. Journalism history. Publ: Newspapers on the Minnesota frontier: 1849-1860, Minn. Hist. Soc. 67. Address: 3021 Fillmore N.E., Minneapolis, Minn. 55418.

HAGEBAK, DEAN BEAUMONT R. b. Starbuck, Minn, June 17, 36; m. 58; c. 3. COUNSELING PSYCHOLOGY. B.A. Northern Iowa, 60, M.A., 62; Ed.D. (psychol), Arizona State, 67. Counsr, Reinbeck Community Schs, Iowa, 61-63; practicum superv. counseling psychol, Arizona State, 63-65; dir. counseling, Mankato State Col, 65-69; DEAN, NORTHLAND COL, 69- Consult, Tri County Community Action Coun, Minn., 66-69. U.S.A., 54-56, Sgt. Psychol. Assn; Personnel & Guid. Assn. Attitude and value measurement; personality traits. Publ: Co-auth, The Dropout and social concern, Arizona State Univ, 64; auth, Adolescent moral attitudes, Midland Schools, 62. Address: Office of Student Affairs, Northland College, Ashland, Wis. 54806.

HAGEDORN, DR. ROBERT (BRUCE). Sociology. See A-K Vol. 11th ed, Soc. & Behav. Vols. New position & address: Prof. sociol, 69- Dept. of Anthropology & Sociology, University of Victoria, Victoria, B.C. Can.

HAGEN, DR. JOHN W. Psychology. See A-K Vol. 11th ed, Soc. & Behav. Vols. New position: Assoc. prof, 69- Address: Dept. of Psychology, University of Michigan, 6625 Haven Hall, Ann Arbor, Mich. 48104.

HAGEN, DR. JOHN W(ALTER), b. Reeder, N.Dak, Sept. 10, 30; m. 55; c. 3. AGRICULTURAL ECONOMICS. B.S. N.Dak. State, 53, M.S. 57; Ph.D. (agr. econ), Washington State, 68. County agent, N.Dak. Ext. Serv, 55-56; food mkt. specialist, N.C. State Col, 57-60; agr. economist, Washington State, 62-64; U.S. Dept. Agr, 65-69; ASST. PROF. MKT. FRESNO STATE COL, 69- U.S.A., 53-55, 1st Lt. Mkt. Assn; Agr. Econ. Assn. Marketing of food and agricultural commodities. Address: Fresno State College School of Agriculture, Fresno, Calif. 93726.

HAGENA, PROF. THEDA. b. Milwaukee, Wis, Apr. 9, 17. COUNSELING PSYCHOLOGY. A.B. George Washington, 37; M.S. Wellesley Col, 39; Ph.D. (ed. psychol), Minnesota, 53. Instr. phys. ed, 39-44; faculty mem. MINNESOTA, MINNEAPOLIS, 44-56, assoc. prof. ED. PSYCHOL, 56-61, PROF. 61- DIR, STUDENT COUNSELING BUR, 69- asst. dir, 47-69. Secy, Minn. Bd. Exam. of Psychologists, 65-68, chmn, 69- Psychol. Assn; Personnel & Guid. Assn; Nat. Voc. Guid. Assn; Nat. Assn. Women Deans & Counsr. Interest measurement. Publ: Co-auth, Vocational interest measurement, theory, and practice, Univ. Minnesota, 55 & Counseling and the use of tests, Student Counseling Bur, 62; auth, Testing in guidance and counseling, McGraw, 63. Address: Student Counseling Bureau, 101 Eddy Hall, University of Minnesota, Minneapolis, Minn. 55455.

HAGENSICK, PROF. A. CLARKE. Public Administration. See A-K Vol. 11th ed, Soc. & Behav. Vols. New information: On one year serv. in Bangkok, Thailand under Midwest Univ. Consortium for Int. Activities, 69-Sept. 70. Address: Institute of Governmental Affairs, University of Wisconsin-Milwaukee, Bolton Hall, Milwaukee, Wis. 53201.

HAGUE, A. BARTLETT, JR. b. St. Louis, Mo, Oct. 1, 27; m. 62; c. 1. SOCIOLOGY, BOTANY. B.A. Yale, 50; M.S. Michigan, 51, fel. 51-52, M.A. 54. Res. asst. conserv. sch. natural resources, Michigan, 52-53; soc. scientist, farm pop. & rural econ, U.S. Dept. Agr, 54-55; res. asst. planning, Off. Spec. Asst. to President for Pub. Works Planning, Exec. Off. President, D.C. 55-61; superv. recreation planner, Nat. Park Serv. U.S. DEPT. INTERIOR, 61-62, recreation resource specialist, Bur. Outdoor Recreation, 62-67, planning & prog. grants officer, northeast region, FED. WATER POLLUTION CONTROL ADMIN, 67-68, CHIEF PLANNING, NEW ENG. BASINS OFF, 68- Soil Conserv. Soc. Am; Sociol. Assn; Rural Sociol. Soc. Relation of land use patterns to environmental quality, especially water quality, open space, and urban amenities; organizational arrangements for regional environmental quality, particularly river basin commissions for water quality and land use regulation. Publ: Federal grants for acquisition of open space, Planning & Civic Conservation, 9/61; Resolving conflicts in natural resources allocation, J. Soil & Water Conserv, 11-12/64. Address: 110 Roundwood Rd, Newton, Mass. 02164.

HAHN, DR. DAVID ELLIOT, b. New London, Ohio, Jan. 20, 38; m. 67. AGRICULTURAL ECONOMICS, ECONOMICS. B.Sc. Ohio State, 60; M.S. Pa. State, 63; Ph.D. (agr. econ), Cornell, 68. Asst. Pa. State, 62-63, Cornell, 63-67, ASST. PROF. AGR. ECON, OHIO STATE, 67- Instr. Mgt. Workshop for Dairy Processors, 69-70. Agr. Econ. Assn. Business management problems in the marketing and distribution of milk and dairy products. Publ: Co-auth, Investment decisions for greater profits, Univ. Massachusetts, 69; auth, A description of the ice cream manufacturing industry in New York (unpubl), Cornell Univ, 8/68 & Adjusting federal milk order market areas, Ohio Agr. Res. & Develop. Center, 11/68. Address: College of Agriculture & Home Economics, Ohio State University, Columbus, Ohio 43210.

HAHN, PROF. FRED. Political Science, History. See A-K Vol. 11th ed, Soc. & Behav. Vols. New position: Prof, Trenton State Col, 69- Address: 780 West End Ave, New York, N.Y. 10025.

HAHN, DR. JUNE E(DITH). Latin American History. See 5th ed, Dir. Am. Scholars, Vol. I, Hist.

HAIKAL, DR. DENISE (JEANNE), b. France, Nov. 22, 10; U.S. citizen; m. 34; c. 1. BEHAVIORAL SCIENCES, LAW. LL.M. Sorbonne, 63; M.S.W. Howard, 52; Ph.D. (soc. psychol), London, 59. Lawyer, Nimes Court Appeals, France, 36-42; exec. dir. info. & pub. rels, French Lay Mission Paris, 43-49; UN

- rep. Cmn. Human Rights, 49-51; ment. health consult, D.C. DEPT. PUB. HEALTH, 57-64, RES. SOCIOLOGIST, 65- Acad. Cert. Soc. Workers; Group Psychother. Assn; fel. Sociol. Assn. Medical sociology, organization, structures and institutions; personality development; behavioral dynamics; uses of therapeutic relationship; intergroup relations including interpretation of cultural factors. Publ: The health education aides; training and performance, 69 & Study of the missed dental appointments by maternal and infant care patients, 70, D.C. Pub. Health Dept; An experiment in mental health consultation with the public schools of the District of Columbia, Proc. Cong. Int. Ment. Health, 62. Address: 2231 California St. N.W. Apt. 303, Washington, D.C. 20008.
- HAIMANN, PROF. THEO.** Management Science. See A-K Vol, 11th ed, Soc. & Behav. Vols. New position: Marie Louise Murray prof. mgt. sci. St. Louis, 69; New publ: Co-auth, Management in the modern organization, Houghton, 70, Address: Dept. of Business Administration, St. Louis University, St. Louis, Mo. 63103.
- HAIMOWITZ, PROF. M(ORRIS) L(OEB).** Social Psychology. See A-K Vol, 11th ed, Soc. & Behav. Vols. New position: Prof. soc. sci, Wright Col, 70. Address: 1101 Forest Ave, Evanston, Ill. 60202.
- HAINLINE, DR. LYDIA JANE.** Anthropology. See UNDERWOOD, DR. JANE HAINLINE, this Suppl.
- HAINES, PROF. G(EOFF) H.** Economic Statistics. See A-K Vol, 11th ed, Soc. & Behav. Vols. New position: Prof. Detroit Col. Bus. Address: 10844 La Salle Ave, Huntington Woods, Mich. 48070.
- HAINSWORTH, DR. BRAD E. b.** Salt Lake City, Utah, Oct. 27, 35; m. 58; c. 3. POLITICAL SCIENCE, PUBLIC ADMINISTRATION. B.A., Utah, 63, M.A., 66, cert. Mid. East studies, 66 & 68, Nat. Defense For. Lang. fel. & Ph.D. (polit. sci.), 68. ASST. PROF. POLIT. SCI., MONTANA, 68. Consult, community planning & develop, Montana, 68. Polit. Sci. Assn. Application of anthropological and sociological concepts and tools to the problems of public administration. Publ: Co-auth, Chap. In: Reapportionment in Utah, Univ. Utah, (in press); Those damnabse sevens, Utah Hist. Quart., (in press). Address: 505 Benton, Missoula, Mont. 59801.
- HAINSWORTH, DR. PETER KEVIN.** b. Toronto, Ont. Apr. 26, 30; m. 58; c. 2. PSYCHOLOGY. B.A., Toronto, 53, M.A., 54, Ph.D. (psychol), George Peabody Col., 62. PSYCHOLOGIST, Ont. Dept. Health, Kingston, 56-59; Bradley Hosp., Riverside, R.I., 62-65; MEETING ST. SCH., PROVIDENCE, R.I., 65-69; Proj. dir., U.S. Off. Econ. Opportunity grant, 68-69; Bur. Ed. for Handicapped grad. for model center, 69-72. Psychol. Assn. Development of early identification and diagnostic tools; developmental stimulation and curriculum approaches for infants, preschoolers and elementary school children with psychoneurological and learning inefficiencies; behavioral disorganization. Publ: Co-auth, The early identification of children with learning disabilities, Crippled Children & Adults of R.I., 69. Address: Meeting Street School, 333 Grotto Ave, Providence, R.I. 02906.
- HAITHCOX, DR. JOHN PATRICK.** Political Science. See A-K Vol, 11th ed, Soc. & Behav. Vols. New information: Dir., Assoc. Col. Midwest Prog. in India, 69. New publ: M. N. Roy and comintern policy in India, Princeton, 70. Address: Dept. of Government & International Relations, Carleton College, Northfield, Minn. 55057.
- HAJJAR, DR. SAMI G. b.** Beirut, Lebanon, Oct. 31, 39; m. 65; c. 3. POLITICAL SCIENCE. B.A., American Univ. Beirut, 62, M.A., 63; grad. coun. fel., Wyoming, summer 68; Ph.D. (polit. sci.), Missouri-Columbia, 69. Instr. POLIT. SCI., WYOMING, 66-68, ASST. PROF., 68-. DIR. INT. STUDIES, 68-, chmn. int. affairs, 67-68, acting head polit. sci., 69-70. Bureaucratic rationality; Islamic political theory. Address: Dept. of Political Science, University of Wyoming, Laramie, Wyo. 82070.
- HAKEEM, PROF. MICHAEL.** b. Fall River, Mass, Sep. 5, 16; m. 49. SOCIOLOGY. B.S., Ohio State, 42, M.A., 45, Ph.D. (sociol), 50. Instr. SOCIOL., Iowa, 46-47; Ohio State, 48-51, asst. prof., 51-52; WISCONSIN, MADISON, 52-53, assoc. prof., 53-62, PROF., 62. Soc. Study Social Probs; Am. Sociol. Assn; Am. Soc. Criminol. Prediction of criminality; application of sociology to correctional methods. Publ: Readings in juvenile delinquency, Col. Printing, 68; Critique of psychiatric approach to crime and correction, Law & Contemporary Probs, 58 & Predicting parole outcome from case history summaries, J. Criminal Law, Criminol. & Police Sci., 61. Address: Dept. of Sociology, University of Wisconsin, Madison, Wis. 53706.
- HAKEL, DR. MILTON D(ANIEL), JR. b.** Hutchinson, Minn., Aug. 1, 41; m. 63; c. 2. PSYCHOLOGY. B.A., Minnesota, 63, Ph.D. (psychol), 66. ASST. PROF. PSYCHOL., Minnesota, 66-68; OHIO STATE, 68. Indust. fel., Marathon Oil Co., 69. Psychol. Assn. (James McKee Cattell award, 65). Interpersonal perception; personnel classification and training; human motivation and personality. Address: Dept. of Psychology, Ohio State University, Columbus, Ohio 43210.
- HALBERT, MICHAEL.** Operations Analysis. See A-K Vol, 11th ed, Soc. & Behav. Vols. New position: Pres., 68. Philadelphia Group, Inc., 3508 Market St., Suite 202, Philadelphia, Pa. 19104.
- HALCOMB, DR. CHARLES GROVER.** Human Factors, Experimental Psychology. See A-K Vol, 11th ed, Soc. & Behav. Vols. New information: Also asst. chmn. dept. & dir. prog. exp. psychol., 69-. Dept. of Psychology, Texas Tech University, Lubbock, Tex. 79409.
- HALDI, DR. JOHN.** Economics. See A-K Vol, 11th ed, Soc. & Behav. Vols. Change of address: 118 E. 60th, New York, N.Y. 10022.
- HALE, ROSEMARY D. b.** Brewster, N.Y., June 7, 18; m. 42; c. 3. ECONOMICS. A.B., Mt. Holyoke Col., 40; M.A., American Univ., 46. Economist, U.S. Dept. Agr., 41; U.S. War Dept., 41-45; LECTUR. ECON., LAKE FOREST COL., 46-. Am. Econ. Assn; Can. Econ. Assn; Royal Econ. Soc. Business organiza-
- tion and public policy; urban economics. Publ: Co-auth, Market power: size and shape under the Sherman Act, Little, 58, Expanding enterprise: geographical curbs on mergers, Minn. Law Rev., 4/67 & In aggravation of merger, Ind. Law J., winter 68. Address: 270 Butler Dr., Lake Forest, Ill. 60045.
- HALEY, RUSSELL (IRVING).** Marketing, Statistics. See A-K Vol, 11th ed, Soc. & Behav. Vols. New position: Exec. v. pres. Cordin. Appel & Haley Res. Corp., 69-. Address: 55 Orchard Dr., Greenwich, Conn. 06830.
- HALFEN, DR. DAVID.** b. Newark, N.J., July 23, 24; m. 48; c. 2. POLITICAL SCIENCE. B.S., Wisconsin, 48; dipl., Paris, 49, Ph.D. (French soc. polit.), 54. develop, 1889-1905. 54. Admin. asst., Atlas Constructors, Morocco, 52-53; asst. ed., Hart Pub. Co., 54-55, assoc. ed., 55-56, ed., 58-62; for. affairs ed., Scholastic Mag., 56-58; develop. ed., COL. DIV. SCOTT, FORESMAN & CO., GLENVIEW, 62-63, prog. dir. soc. sci., 63-65, sci. & humanities, 65-67, EXEC. ED. SOC. SCI., HUMANITIES, PSYCHOL. & ED., 68-. U.S.A., 43-46. Sociol. Assn; Politi. Sci. Assn; Anthropol. Assn; Assn. Am. Geog. Publ: La Plume: symbolist review, 1889-1905, Univ. Paris, 54. Address: 109 Moffett Rd., Lake Bluff, Ill. 60044.
- HALL, DR. ALBERT C(HARLES).** Engineering Psychology. See A-K Vol, 11th ed, Soc. & Behav. Vols. New position: Test ops. mgr. off. prod. div. Int. Bus. Mach. Corp., 69-. Address: 737 Wellington Way, Lexington, Ky. 40503.
- HALL, PROF. CHALLIS A(LVA), JR.** Economics. See 11th ed, Soc. & Behav. Vols., deceased 68.
- HALL, DR. DAVID STANLEY.** Sociology. See A-K Vol, 11th ed, Soc. & Behav. Vols. New position & address: Behav. scientist, 69-. Dept. of Sociology, West Virginia Regional Medical Program, West Virginia University Medical Center, Morgantown, W.Va. 26506.
- HALL, DR. DEE (MOREY), b.** Pa., Aug. 19, 14; m. 34; c. 1. CLINICAL PSYCHOLOGY. B.S., State Univ., N.Y. Col. Fredonia, 51; M.S. Westminster Col. (Pa.), 53; Kent State, 53-56; Ohio State, 57; Washington (St. Louis), 63; Ph.D. (clin. psychol.), St. Louis, 68. Teacher, elem. sch., Ohio, 50-56; guid. dir., high sch., 56-58; supvr. test scoring & reporting, Psychol. Corp., N.Y., 58-60; sch. psychologist & guid. dir., Boardman Schs., Ohio, 60-62; sch. psychologist, St. Louis County Spec. Sch., Dist. Mo., 62-63; stat. psychologist, St. Louis City Child Guid., 63-68, sr. staff psychologist, 68-69; CLIN. & CONSULT. PSYCHOLOGIST, 69-. Consult., St. Louis Soc. Crippled Children, 69-; Parent Child Center Prog., St. Louis, 69-; Shaare Emeth Nursery Sch., 70-. Psychol. Assn; Soc. Pediat. Psychol. Counseling psychology; Rorschach human movement responses by Negro and white emotionally disturbed children - investigation of the decrease in number for Negroes and the increase for whites as a function of age; creation of a test, play interpretation, to assess the capacity for intellectual and emotional understanding of children. Publ: Co-auth, Frequency of the Rorschach human movement response in Negro and white emotionally disturbed children, J. Consult. & Clin. Psychol., 4/68. Address: 114 Francis Court, St. Charles, Mo. 63301.
- HALL, DR. EDWARD T(WITCHELL).** Anthropology. See A-K Vol, 11th ed, Soc. & Behav. Vols. Change of address: 1017 Grove St., Evanston, Ill. 60201.
- HALL, DR. GEORGE FRIDOLPH.** Biblical Theology & Latin America. See 5th ed, Dir. of Am. Scholars, Vol. IV, Philos. Relig. & Law.
- HALL, DR. HARRY HALE, b.** Cassville, Mo., Aug. 14, 34; m. 61; c. 2. AGRICULTURAL ECONOMICS. B.S., Missouri-Columbia, 56; M.S., Okla. State, 64; Ph.D. (agr. econ), Iowa State, 69. Asst. county agent, Univ. Missouri, 56-57, assoc. county agent, 59-61; res. assoc. agr. econ, Iowa State, 65-69; ASST. PROF. AGR. ECON. & STATIST. KENTUCKY, 69. U.S.A. 57-58. Econ. Assn; Agr. Econ. Assn. Production economics; agricultural policy; statistical methods and econometrics. Publ: Quadratic programming solution of competitive equilibrium for U.S. agriculture, 68; co-auth, Linear and non-linear spatial models in agricultural competition, land use and production potential, Am. J. Agr. Econ., 68; Application of linear and nonlinear programming models in specifying and land use, spatial equilibrium and prices for agriculture, In: Economic models, estimation and risk programming: essays in honor of Gerhard Tintner, Springer, Berlin, 69. Address: Dept. of Agricultural Economics, University of Kentucky, Lexington, Ky. 40506.
- HALL, DR. JAMES WILLIAM.** American Studies. See 5th ed, Dir. Am. Scholars, Vol. I, Hist.
- HALL, DR. JAY.** Psychology. See A-K Vol, 11th ed, Soc. & Behav. Vols. New information: Dir., Am. Behav. Sci. Training Labs, 69-; pres., Teleometrics, Inc., 69-. Address: 2200 S. Post Oak Rd., Suite 424, Houston, Tex. 77027.
- HALL, DR. RICHARD LEE.** Psychology, Counseling. See A-K Vol, 11th ed, Soc. & Behav. Vols. Change of address: 5611 S. Newport, Tulsa, Okla. 74105.
- HALL, PROF. ROBERT B. JR. b.** Ann Arbor, Mich., Dec. 4, 23; m. 47; c. 3. ECONOMIC GEOGRAPHY. A.B., Michigan, 47, M.A., 48, Ph.D., 52. Instr. geog., Yale, 51-52; asst. prof., ROCHESTER, 52-58, assoc. prof., 58-65, PROF. HIST. & GEOG., 65-. DIR. E. ASIAN LANG. & AREA CENTER, 67- Fulbright res. scholar, Kobe Univ., 54-55; Fulbright lectr., Tohoku Univ., Japan, 61-62. U.S.A., 42-45. Assn. Am. Geog. Assn. Asian Studies; Assn. Japanese Geog. Japanese studies; Japanese modernization; population and resources. Publ: Japan: industrial power of Asia, Van Nostrand, 63; Japan's Economy, In: Encyclopaedia Britannica, 64, 66 & 68; Rochester Area, Inc. New York, Empire state, Syracuse Univ., 67. Address: Dept. of History, University of Rochester, River Campus Station, Rochester, N.Y. 14627.
- HALL, PROF. WILLIAM F(RANCIS).** Speech Pathology. See Suppl. V to 11th ed, Phys. & Biol. Vols.
- HALLENBECK, DR. CHARLES EDWARD.** Psychology. See A-K Vol, 11th ed, Soc. & Behav. Vols. New position & address: Asst. prof., 69-, Dept. of Psychology, University of Kansas, Lawrence, Kans. 66044.

- HALLENBECK, DR. PHYLLIS NEWTON.** Psychology. See A-K Vol, 11th ed, Soc. & Behav. Vols. New position: Dir. psychol. Sagamore Hills Children's Psychiat. Hosp. 69. Address: 4805 Wood St, Willoughby, Ohio 44094.
- HALLIN, DR. RICHARD RAY.** Political Science. See A-K Vol, 11th ed, Soc. & Behav. Vols. New position & address: Asst. prof. polit. sci. 69. Division of Social Science, New College, Sarasota, Fla. 33578.
- HALPERIN, DR. MORTON H.** Political Science. See A-K Vol, 11th ed, Soc. & Behav. Vols. New position: Sr. fel. Brookings Inst. 69. Address: 8315 Stone Trail Dr, Bethesda, Md. 20034.
- HALPERIN, DR. SAMUEL.** Political Science. See A-K Vol, 11th ed, Soc. & Behav. Vols. New information: Dir. Ed. Staff Seminar, 68. Address: 6812 Sixth St. N.W. Washington, D.C. 20012.
- HALPERN, DR. ABRAHAM M (EYER).** Anthropology. See A-K Vol, 11th ed, Soc. & Behav. Vols. New position: Sr. prinl. staff mem. Center Naval Anal. 68. Address: 4100 W St. N.W., Washington, D.C. 20007.
- HALPERN, DR. ANDREW STEPHEN.** b. New York, N.Y., July 29, 39; m. 66. SPECIAL EDUCATION. B.A., Carleton Col., 61; M.A., Yale, 63; U.S. Dept. Health, Ed. & Welfare fel. & Ph.D. (counseling), Wisconsin, 66. Asst. prof. ment. retardation, State Univ. N.Y. Buffalo, 66-69; Texas, 69-70; ASSOC. PROF. OREGON, 70. Asst. Ment. Deficiency, Coun. Except. Children; Personnel & Guid. Assn. Publ. Co-auth. Verbal expressivity as a client variable in counseling the mentally retarded. Except. Children, 34: 693-701; Verbal expressivity as an index of adaptive behavior, 74: 180-186 & auth. Some issues concerning the differential diagnosis of mental retardation and emotional disturbance. (in press), Am. J. Ment. Deficiency. Address: Dept. of Special Education, Clinical Services Bldg, University of Oregon, Eugene, Ore. 97403.
- HALPERN, DR. ESTHER.** Can. citizen; m. 70. PSYCHOLOGY. B.S.C., McGill, 52, M.S.C., 54; Ph.D. (psychol.), Boston, 62. Staff psychologist, Montreal Children's Hosp., 53-56; chief psychologist, Ment. Hyg. Inst., Montreal, 56-58 & 61-62; sr. staff psychologist, Jewish Gen. 62-66; asst. prof. psychol., Lincoln Hosp. Ment. Health Serv., Albert Einstein Col. Med., 66-67; consult. Head Start, J. Seldon Johnson Community Center, N.Y. 67; vis. lectr. PSYCHOL. GRAD. SCH. ED. HARVARD, 68-69, ASST. PROF. 69. Am. Psychol. Assn; Int. Coun. Psychol. Soc. Proj. Tech. & Personality Assessment; fel. Am. Orthopsychiat. Assn; Soc. Res. Child Develop; Can. Psychol. Assn. Clinical developmental psychology; remedial reading theory and practice; Piaget-cognitive theory; community psychology delivery of service-systems. Publ: The effects of incompatibility between perception and logic in Piaget's stage of concrete operations, Child Develop., 55, Conceptual development in a schizophrenic boy, J. Am. Acad. Child. Psychiat., 66 & Selected talks, In: The couching conference on professional psychology, McGill Univ., 67. Address: 530 E. 72nd St., New York, N.Y. 10021.
- HALPERN, DR. GERALD.** b. Montreal, Que., Jan. 6, 36; m. 60; c. 2. PSYCHOLOGY, EDUCATION. B.A., McGill, 60; M.S., Western Reserve, 63, Ph.D. (psychol.), 64. Assoc. res. psychologist, Ed. Testing Serv., 64-66, res. psychologist, 66-67; res. officer, Collegiate Inst. Bd., Ottawa, Ont., 67-68, DIR. RES., 68-69, OTTAWA BD. ED., 69. Asst. prof., Trenton State Col., 65-66, adj. prof., Rutgers, 66-67; lectr. Ottawa, 69. Am. Psychol. Assn; Can. Psychol. Assn; Can. Ed. Res. Assn. Design, administration and implementation of educational research within ongoing elementary and secondary school systems. Publ: Relative contributions of motivator and hygiene factors to overall job satisfaction, J. Appl. Psychol., 66; Item arrangement and bias in an interest inventory, Ed. Psychol. Measurement, 66; co-auth. Student curriculum decisions, Personnel Guid., J. 68. Address: Ottawa Board of Education, 662 Lyon St., Ottawa, J., Ont., Can.
- HALPERN, DR. HARVEY.** b. New York, N.Y., July 8, 29; m. 58; c. 3. SPEECH PATHOLOGY. B.A., Brooklyn Col., 56, M.A., 58; Ph.D. (speech path.), N.Y. Univ. 62. Teacher, bd. ed. 56-59; instr. SPEECH PATH., Adelphi, 59-62; QUEENS COL. (N.Y.), 62-65, asst. prof., 66-69, ASSOC. PROF. 69. Fel. speech path., Mayo J. Sch. Med., Minnesota, 68-69. Consult. ed. J. Commun. Disorders, N.Holland Publ. Co., Amsterdam, 66; consult. summer progs. guid. center ment. retarded, Center Urban Ed., New York, 67. Speech & Hearing Assn; Speech Assn. Am.; Acad. Aphasia. Language disorders. Publ: The effect of stimulus variables on the amount of verbal perseveration of dysphasic subjects, 4/65 & The effect of stimulus variables on dysphasic verbal errors, 8/65. Percept. & Motor Skills; co-auth. Speech and hearing characteristic in familial dysautonomia, J. Speech & Hearing Res., 6/67. Address: Dept. of Communication Arts and Sciences, Queens College, Flushing, N.Y. 11367.
- HALPERN, PROF. JOEL MARTIN.** Anthropology. See A-K Vol, 11th ed, Soc. & Behav. Vols. New position: Prof. 69. Dept. of Anthropology, University of Massachusetts, Amherst, Mass. 01002.
- HALPERN, DR. KATHERINE SPENCER.** b. Reading, Mass., Aug. 7, 13; m. 68. SOCIAL ANTHROPOLOGY. B.A., Vassar Col., 35; Soc. Sci. Res. Coun. fel., Chicago, 41-42, M.A., U.S. OH. Publ. D. Soc. consult. Am. Red Cross, 42-44; soc. sci. analyst, U.S. OH. War Indo, 44-46; asst. soc. res. 46-50, assoc. dir. community health proj., sch. pub. health, 53-57; asst. prof., N.Y. Sch. Soc. Work, Columbia, 50-52, assoc. prof. soc. sci. & res. method, sch. soc. work, Boston, 54-64, prof., 64-70, lectr. anthrop. dept. social. & anthrop. 61-70; PROF. DEPT. ANTHROP. AMERICAN UNIV. 70. Res. assoc. McLean Hosp. 56-67; dept. psychiat. Harvard Med. Sch. 60-66. Consult. rev. cmt. Nat. Inst. Ment. Health, 63-66 & 70. soc. serv. br. div. Indian health, U.S. Pub. Health Serv. 64. Fel. Anthrop. Assn; Soc. Appl. Anthropol. Mythology; personality and culture; medical anthropology; social work research. Publ: Ed. Sociocultural elements in casework; a case book of seven ethnic case studies; auth. Mythology and values; Reflections of social life in the Navaho origin myth. Address: Dept. of Anthropology, American University, Washington, D.C. 20016.
- HALPERN, DR. RICHARD S.** Sociology, Social Psychology. See A-K Vol, 11th ed, Soc. & Behav. Vols. New position & address: Mgr. mkt. planning. & mkt. res., 69. Coca-Cola Europe, 195 Knightsbridge, London, S.W. 7, Eng.
- HALT, PROF. CHARLES E.** b. Pittsburgh, Pa., Dec. 11, 13; m. 39; c. 2. ECONOMICS, POLITICAL SCIENCE. B.S., Slippery Rock State Col., 34; M.Ed., Pa. State, 40; Pittsburgh, 45-50; D.S.Sc. (econ. polit. sci.), Syracuse, 55. Supvr. soc. studies ed. Slippery Rock State Col., 44-49; instr. soc. sci., 49-59, assoc. prof., 60-65, prof. ECON., 65-69; PROF. & CHMN. DEPT. BETHANY COL. (W.Va.), 69. Econ. Assn. Economic changes in United States since 1900. Address: Dept. of Economics, Bethany College, Bethany, W. Va. 26032.
- HALTERMAN, DR. CARROLL CLIFTON.** b. Jackson, Ohio, Oct. 9, 19; m. 52; c. 4. BUSINESS ADMINISTRATION. B.Sc., Maryland, 57; M.A., Washington (State), 61, D.B.A., 65. Asst. prof. ADMIN. SCI., COL. BUS. ADMIN., DENVER, 65-69, ASSOC. PROF. 68. CONSULT. EXEC. PROCS. 66. Pres. Int. Tech. Inc. & dir. Exec. Training, 66. U.S.A.F., 42-46, 48-64, Lt. Col. Acad. Mgt. Soc. Training & Develop. Organizational analysis; system management; management development. Publ: Co-auth. Managerial control through communication, 68, auth. Cutting communications costs. . . 69 & Information systems and evidential meaning, Int. Managerial control through communication, 68, Wiley. Address: College of Business Administration, University of Denver, Denver, Colo. 80210.
- HAMBACHER, DR. WILLIAM Q (TTO).** Psychology. See A-K Vol, 11th ed, Soc. & Behav. Vols. New position & address: Prof., 68. Dept. of Psychology, California State College, California, Pa. 15419.
- HAMBOR, DR. JOHN C.** b. Painesville, Ohio, Dec. 21, 39. ECONOMICS. B.A., San Fernando Valley State Col., 62; M.A., Michigan, 65; Ph.D. (econ.), 68. Lectr. ECON., Michigan, 64-66; ASST. PROF., CALIFORNIA, SANTA BARBARA, 67. Economist. Soc. Econometrics; dynamic macroeconomics; economics of education. Address: Dept. of Economics, University of California, Santa Barbara, Calif. 93106.
- HAMBURG, PROF. CARL (HEINZ).** Philosophy. See 5th ed, Dir. Am. Scholars, Vol. IV, Philos. Relig. & Law.
- HAMBURG, DR. ROGER P.** Political Science. See A-K Vol, 11th ed, Soc. & Behav. Vols. Change of address: University of Wisconsin-Parkside, Kenosha, Wis. 53140.
- HAMBURGER, DR. MICHAEL J (AY).** b. Bronx, N.Y., Sept. 27, 38; m. 60; c. 2. ECONOMICS. B.S. Syracuse, 59; Int. Bus. Machine Corp. fel., Carnegie-Mellon Univ., 60-61, Ford Found. fel., 61-62, M.S., 62, Fed. Res. Bank Cleveland fel., 62-63, Ph.D. (econ.), 64. Asst. prof. econ., Pennsylvania, 63-66; economist, Fed. Res. Bank N.Y., 66-68, spec. asst., 68-69; chief domestic res. div., 69-70; ADV. BANK OF ENG., 70. Res. fel. Travelers Ins. Co., 65; adj. assoc. prof., Baruch Col., City Univ. New York, 66-70, adj. prof., 70. Consult. Commonwealth of Pa., 63. Econ. Assn; Economist. Soc. Monetary theory and policy; macroeconomics; econometrics. Publ: The demand for money by household, money substitutes and monetary policy, J. Polit. Econ., 12/66; co-auth. An empirical study of interest rate determination, Rev. Econ. & Statist., 8/69; auth. Indicators of monetary policy: the arguments and the evidence, Am. Econ. Rev., 5/70. Address: Bank of England, London E.C. 2, Eng.
- HAMELMAN, DR. PAUL W.** b. Hempstead, N.Y., Oct. 8, 30; m. 53; c. 4. MANAGEMENT SCIENCE. A.B., Davis & Elkins Col., 53; M.B.A., Pittsburgh, 58, U.S. Steel Found. fel., 58-60, Ph.D. (mgt), 62. Asst. prof. MGT, West Virginia, 60-64, ASSOC. PROF. 64-69; B.A. POLYTECH, 69. Spec. asst. off. provost, W.Va. Univ., 66-67; dir. bus. & pub. admin. prog., univ. grad. center, Charleston, 67-69. Consult. coord. bd. Tex. Col. & Univ. Syst., 67-68; bd. higher ed. N.C., 69. U.S.N., 53-56, Res. 56. Lt. Comdr. Oper. Res. Soc. Am; Inst. Mgt. Sci.; Econ. Assn; Acad. Mgt. Applications of management science and decision theory to long-range planning, programming and resource allocations in institutions of higher learning. Publ: Missions, matrices and university management, Acad. Mgt. J., 3/70; co-auth. Planning for balanced resource allocation in academic: a systems analytic model, Proc. Tech. Inst. Mgt. Syst. Conf., 6/70 & A systems view of a university: the missions concept of planning-programming-budgeting, Proc. Acad. Mgt., 4/70. Address: Dept. of Management, Virginia Polytechnic Institute, Blacksburg, Va. 24061.
- HAMERESH, DR. DANIEL S.** b. Cambridge, Mass., Oct. 20, 43; m. 66; c. 1. ECONOMICS. A.B., Chicago, 65; Ph.D. (econ.), Yale, 69. Acting instr. econ., Yale, 68-69; ASST. PROF. ECON., PRINCETON, 69. Ford Found. res. grant for study urban labor mkt., 69-74. Summers, res. assoc. Center Naval Anal., Va., 66 & teaching in Halifax, N.S., 68. Econ. Assn; Economist. Soc. Indus. & Rel. Res. Assn. Theoretical analysis of manpower programs; labor mobility; teachers unions. Publ: Spectral analysis of the relation between gross changes in employment and changes in output, Rev. Econ. & Statist., 2/69; Wage bargains, threshold effects and the Phillips Curve, Quart. J. Econ., 8/70; Manpower programs in a local labor market, Am. Econ. Rev., 9/70. Address: Industrial Relations Section, Princeton University, Box 248, Princeton, N.J. 08540.
- HAMILL, DR. JAMES G.** b. Memphis, Tenn., Mar. 24, 30; m. 50; c. 3. AGRICULTURAL ECONOMICS, ECONOMICS. B.S. Miss. State, 57, M.S., 61; Nat. Sci. Found. fel. & Ph.D. (agr. econ.), La. State, 68. Res. asst. AGR. ECON., AGR. EXP. STA. MISS. STATE, 59-63, asst. prof., 64-68, ASSOC. PROF. 68. U.S.A.F., 49-53; U.S.A.R., 54, Maj. Agr. Econ. Assn; Soil Conserv. Soc. Am; Soc. Farm Mkt. & Rural Appraisers. Production economics, especially the study of efficient resource allocation and use in the production of goods and services. Publ: An economic evaluation of production of milk for manufacturing, 2/61 & co-auth. Budgets for forage crops in the brown lawn area of Mississippi, 8/65, Miss. Agr. Exp. Sta. auth. River Valley area of Louisiana data for farm plots in the Ouachita, La. Agr. Exp. Sta., 6/68. Address: P.O. Box 5187, State College, Miss. 39762.

- HAMILTON, ARTHUR B. Agricultural Economics. See Suppl. VI to 11th ed, Phys. & Biol. Vols.
- HAMILTON, DR. CARL W. b. Burkburnett, Tex, Dec. 18, 39; m. 62; c. 2. OPERATIONS RESEARCH, ECONOMICS. B.S. Calif. Inst. Tech, 62; M.A., California, Los Angeles, 65; Ph.D. (opers. res), Mass. Inst. Tech, 69. Sys. engr. Int. Bus. Mach. Corp, 62-66; ASST. PROF. QUANT. BUS. ANAL., SOUTHERN CALIFORNIA, 66- Consult, Abt Assocs, Mass, 67-69; Int. Bus. Mach. Corp, N.Y., 68-69; Rand Corp, Calif, 69- Ops. Res. Soc; Economet. Soc. Nonlinear programming; decomposition techniques; optimal control; multiperiod optimization in economics. Publ: Optimal control of research and development expenditures, M.I.T. Tech. Report, 12/69. Address: Dept. of Quantitative Business Analysis, Graduate School of Business Administration, University of Southern California, Los Angeles, Calif. 90007.
- HAMILTON, PROF. CHARLES HORACE. Rural Sociology. See A-K Vol, 11th ed, Soc. & Behav. Vols. Change of address: Carolina Population Center, University Square, Chapel Hill, N.C. 27514.
- HAMILTON, PROF. EARL J (EFFERSON). Economics. See A-K Vol, 11th ed, Soc. & Behav. Vols. Change of address: Dept. of Economics, University of Chicago, Chicago, Ill. 60637.
- HAMILTON, PROF. LARRY K. b. Blackwell, Okla., Jan. 3, 33; m. 56; c. 2. PSYCHOLOGY, EDUCATION. B.B.A., Oklahoma, 55; M.S., Wisconsin, 55, Ph.D., 58; Mich. State, 56-60. Asst. ed, Ohio Farmer, Cleveland, Ohio, 49-51, 53-54; asst. agr. ed, Mich. State, 55-60; ED. & HEAD AGR. INFO. UNIV., TENNESSEE, 60- U.S.A., 51-52. Asn. Agr. Col. ed. (pres, 69-70). Effectiveness of an experimental direct mail service in increasing levels of technical forestry knowledge of a selected group of Tennessee small wood-land owners. Address: 210 Sutton Lane, Knoxville, Tenn. 37919.
- HAMILTON, DR. RUTH SIMMS. Sociology. See A-K Vol, 11th ed, Soc. & Behav. Vols. New position & address: Asst. prof., Dept. of Sociology, Michigan State University, East Lansing, Mich. 48823.
- HAMM, DR. NORMAN H. b. Cleveland, Ohio, Nov. 25, 40; m. 68. EXPERIMENTAL & CLINICAL PSYCHOLOGY. B.S. Ed. & Adm. Kent State, 64, univ. fel, 65-66, M.A. & Nat. Sci. Found. summer fel, 66, Nat. Insts. Health grant, 66-68, Nat. Inst. Ment. Health fel, 67-68, Ph.D. (psychol), 68. Teaching asst. psychol. learning, Kent State, 64-65; ASST. PROF. PSYCHOL., NEBRASKA, OMAHA, 68- Nat. Inst. Ment. Health small grant, 69-71. Soc. Res. Child Develop; Psychol. Asn. General developmental psychology: social learning theory and personality development: children's learning, cognitive growth. Publ: Co-auth. Social influence as a function of stimulus ambiguity. Develop. Psychol, 69 & The conformity of children in an ambiguous situation, Child Develop, 69; auth. A partial test of a social learning theory of children's conformity, J. Exp. Child Psychol, (in press). Address: 11008 Lamp St, Omaha, Nebr. 68154.
- HAMMEL, PROF. ROBERT WARREN. Pharmacy Administration. See A-K Vol, 11th ed, Soc. & Behav. Vols. New position: Prof. pharm. admin, 68-, School of Pharmacy, University of Wisconsin, Madison, Wis. 53706.
- HAMMER, DR. EMANUEL F (FREDERICK). Clinical Psychology. See A-K Vol, 11th ed, Soc. & Behav. Vols. New information: Adj. assoc. prof. grad. sch. arts & sci., N.Y. Univ. Address: 381 West End Ave, New York, N.Y. 10025.
- HAMMER, DR. KENNETH M. b. Nunda, S.Dak, June 29, 18; m. 55; c. 2. ECONOMICS. B.S., S.Dak. State Col, 41; U.S. Air Force Inst. Tech, 46; Ph.D. (econ), S.Dak. State, 66; summer, Virgo fel, 68. From asst. prof. to ASSOC. PROF. ECON., WISCONSIN STATE-WHITEWATER, 66- U.S.A. & U.S.A.F., 41-61, Maj, U.S.A.F. (Ret). History. Publ: Territorial towns and the railroads, N.Dak. Hist, 70; Little Bighorn biographies, Old Army Press, 70; Test bank for economics, South-West, Publ, 70. Address: Dept. of Economics, Wisconsin State University, Whitewater, Wis. 53190.
- HAMMOCK, PROF. JOSEPH. Experimental Psychology, Psychometrics. See A-K Vol, 11th ed, Soc. & Behav. Vols. New information: Dir. instr. res. & develop, 69-, Office of Vice President for Instruction, University of Georgia, Athens, Ga. 30601.
- HAMMOND, DR. LEIGH HUGH. Agricultural Economics. See A-K Vol, 11th ed, Soc. & Behav. Vols. New position & address: N.C. field dir, 69-, Coastal Plains Regional Commission, P.O. Box 1351, Raleigh, N.C. 27602.
- HAMMOND, DR. LYNN JACKSON. b. Cleveland, Ohio, July 8, 38; m. 68; c. 1. EXPERIMENTAL PSYCHOLOGY. B.A., DePaul, 60; M.A., Western Reserve, 62, U.S. Pub. Health Serv. fel, 62-64, Ph.D. (exp. psychol), 64. U.S. Pub. Health Serv. fel, Pennsylvania, 64-65; asst. prof. EXP. PSYCHOL., TEMPLE, 65-69, ASSOC. PROF, 69- Nat. Inst. Ment. Health grant, 69-72. Psychol. Asn; Psychonomic Soc. Mechanisms of Pavlovian conditioning as they relate to the physiological basis: learning and motivational aspects of behavior, particularly Pavlovian inhibition. Publ: Human GSR pseudoconditioning as a function of change in basal skin resistance and CS-US similarity, J. Exp. Psychol, 73: 125-129; Retardation of fear acquisition when the CS has previously been inhibitory, J. Comp. Physiol. Psychol, 66: 756-759; Conditioned emotional states, In: Physiological correlates of emotion, Acad. Press, 70. Address: Dept. of Psychology, Temple University, Philadelphia, Pa. 19122.
- HAMPSCH, DR. GEORGE H (AROLD). Philosophy. See 5th ed, Dir. of Am. Scholars, Vol. IV, Philos. Relig. & Law.
- HAMPTON, PROF. GEORGE L. III, b. Topeka, Kans, July 10, 37; m. 63; c. 2. EXPERIMENTAL PSYCHOLOGY. B.S., Trinity Col, 63; M.A., Arizona, 66, Ph.D. (psychol), 69. Asst. prof. exp. psychol, Edinboro State Col, 66-67; assoc. prof. exp. psychol. & chmn. dept. psychol, Drury Col, 67-70; PROF. EXP. PSYCHOL. & CHMN. DEPT. PSYCHOL., MISS. STATE COL. WOMEN, 70- U.S.A., 59-62. AAAS; Psychol. Asn. The effect of overtraining on the acquisition of reversal and nonreversal discrimination shifts in humans and infrahumans: resistance of attitudes under sensory deprivation conditions. Address: Dept. of Psychology, Mississippi State College for Women, Columbus, Miss. 39701.
- HAMPTON, DR. JOHN DAVID, b. Norristown, Pa, Feb. 17, 18; m. 40. EDUCATIONAL PSYCHOLOGY. B.G.E., Omaha, 61; M.S., Trinity (Tex), 63; Ph.D. (ed. psychol), Texas, 67. Dir. rehab. sch., U.S. Air Force, 55-56, superv. observer training sect, 56-59, mgt. training course, 59-60, training sch., 60-63, res. technician, Lackland Air Force Base, 63; res. assoc. ED. PSYCHOL., Texas, 64-67; asst. prof., OKLA. STATE, 67-69, ASSOC. PROF, 69-, coordinator, 68-69. Res. abstractor, 68- Summers, consult, upward bound prof., Langston Univ, 67-69, learning center, Okla. Christian Col, 68, ed. eval. inst., Southern Illinois, 69. U.S.A.F., 36-63, Chief M/Sgt. (Ret). Interam. Soc. Psychol.; Nat. Soc. Programmed Instr.; Ed. Res. Asn; Psychol. Asn. Human motivation and cognitive processes as they relate to the classroom learning situation: programmed instruction and test taking behaviors. Publ: Evaluating programmed instruction techniques, Calif. J. Ed. Researcher, 1/67; Ambiguity tolerance as a function of age, sex, and ethnicity, In: Vol. 2, La contribucion de las ciencias psicologicas y del comportamiento al desarrollo social y economico de las pueblos, Nat. Univ. Mex, 67; Intolerance of ambiguity: a coping mechanism or mode of evaluation?, Interam. J. Psychol, 3/70. Address: Classroom Bldg. 413, Oklahoma State University, Stillwater, Okla. 74074.
- HAMSTRA, ROBERT (HOLLIS). Industrial Psychology. See A-K Vol, 11th ed, Soc. & Behav. Vols. Change of address: Hamstra & Co., P.O. Box 1901, La Jolla, Calif. 92037.
- HANCOCK, DR. JOHN L. b. St. Louis, Mo, Jan. 23, 30; m. 52; c. 4. URBAN PLANNING. B.A., Minnesota, 54, M.A., 55; Ph.D. (Am. civilization), Pennsylvania, 64. Instr. Eng. Colorado, 55-57; res. asst. Am. civilization, Winterthur Mus., Univ. Pennsylvania, 58-60; Fulbright lectr. Am. studies, Stockholm, 60-62; Instr. Eng. North Dakota, 62-63, asst. prof. Eng. & hist, 63-65, ASSOC. PROF, 65-67; Am. studies, Kansas, 67-69; URBAN PLANNING, WASHINGTON (SEATTLE), 69- U.S.M.C., 50-52. Hist. Asn; Am. Studies Asn; Soc. Planning Off.; Orgn. Am. Historians. Urban history; history of environmental planning; American cultural history. Publ: Co-auth. American fiction and verse, Gleerups Ab., Lund, Sweden, 62; auth. John Nolen—the background of a pioneer planner, J. Am. Inst. Planners, 11/60; Planners in the changing American city, 1900-1940, In: American urban history, Oxford, 69. Address: Dept. of Urban Planning, University of Washington, Seattle, Wash. 98105.
- HANDA, DR. JAGDISH, b. W. Pakistan, Sept. 11, 39; m. 66; c. 1. ECONOMICS. B.Sc., London Sch. Econ, 62; Gilman & univ. fel., Hopkins, 62-66, Ph.D. (econ), 68. ASST. PROF. ECON., MCGILL, 66- Econ. Asn. Monetary theory and policy; technological change; growth theory. Address: Dept. of Economics, McGill University, Montreal, Que., Can.
- HANDLER, PROF. EDWARD, b. Malden, Mass, Sept. 9, 20; m. 54; c. 3. POLITICAL SCIENCE. A.B., Harvard, 42, M.A., 48, Small Bus. Admin. Mgt. grant, 59-61, Ph.D. (polit. sci), 62. Assoc. prof. polit. sci., BABSON INST., 62-64, CHMN. DIV. LIB. ARTS, 64-, PROF. POLIT. SCI., 65-, ADMINSTR. HONORS PROF., 67- Am. Coun. Learned Soc. faculty res. fel, 65-66, Nat. Sci. Asn. American political science research program. Publ: Co-auth. Problems in labor legislation, Babson, 56; auth. America and Europe in the political thought of John Adams, Harvard, 64; The American political experience, Heath, 68. Address: Dept. of Political Science, Babson Institute of Business Administration, Babson Park, Mass. 02157.
- HANDLON, DR. MARION W (EMMAN). Psychology. See A-K Vol, 11th ed, Soc. & Behav. Vols. Change of address: 2884 Edgell Rd, Cleveland Heights, Ohio 44106.
- HANDLON-LATHROP, DR. BRITOMAR. Experimental Psychology. See A-K Vol, 11th ed, Soc. & Behav. Vols. New position: Asst. dir. H. Douglas Singer Zone, Ill. Dept. Ment. Health. Address: 2222 Ridge Ave, Rockford, Ill. 61103.
- HANDY, PROF. ROLLO. Philosophy. See 5th ed, Dir. of Am. Scholars, Vol. IV, Philos. Relig. & Law.
- HANEBRINK, DR. EARL L. Ornithology, Animal Ecology. See Suppl. V to 11th ed, Phys. & Biol. Vols.
- HANEY, DR. LEWIS H (ENRY). Economics. See 11th ed, Soc. & Behav. Vols, deceased 69.
- HANIFI, DR. M. JAMIL, b. Kabul, Afghanistan, June 27, 35; m. 57; c. 4. ANTHROPOLOGY. B.Sc., Mich. State, 60, M.A., 62; Ph.D. (anthrop), Southern Illinois, 69. Preceptor ANTHROPOL., Southern Illinois, 67-68; ASST. PROF., Calif. State Col., Los Angeles, 68-69; NORTHERN ILLINOIS, 69- Anthrop. Asn. Ethnology of central and southwest Asia; Islamic law; cultural dynamics; directed cultural change; comparative political-legal systems. Address: Dept. of Anthropology, Northern Illinois University, DeKalb, Ill. 70116.
- HANKE, DR. STEVE HAROLD, b. Macon, Ga, Dec. 29, 42; m. 61; c. 3. ECONOMICS. B.S., Colorado, 64, Resources for Future, Inc. grant, 67-69, Ph.D. (econ), 69; California, Los Angeles, 64. ASST. PROF. ECON., Colo. Sch. Mines, 66-69; HOPKINS, 69- Econ. Asn; Inst. Min. Metall. & Petrol. Eng. Pub. Choice Soc. Resource conservation and development; pricing and in-

- vestment in public services. Publ. Ed. Essays in petroleum economics, 67 & The political economy of energy and national security, 69. Colo. Sch. Mines; auth. The demand for water under dynamic conditions: a case study of Boulder, Colorado, Univ. Colorado, 69. Address: Dept. of Geography & Environmental Engineering, Johns Hopkins University, Baltimore, Md. 21218.
- HANKS, DR. JOHN WARREN, b. Stratton, Nebr., Mar. 14, 18; m. 44; c. 2. SOCIOLOGY. B.A., Antioch Col., 41; M.A., Chicago, 47; Ph.D. (adult ed.), Mich. State, 65. Psychiatric soc. worker, Mich. State, 54-67; ASSOC. PROF. SOC. CYCLO. WYOMING, 67. Nat. Assn. Soc. Workers. Sociology of social work. Address: Dept. of Sociology, Box 3233, University of Wyoming, Laramie, Wyo. 82070.
- HANKS, DR. LUCIEN (MASON), JR. Psychology. See A-K Vol. 11th ed. Soc. & Behav. Vols. Change of address: North Bennington, Vt. 05257.
- HANLON, DR. THOMAS E (VERETT). Educational Psychology. Guidance. See A-K Vol. 11th ed. Soc. & Behav. Vols. New position & address: Res. scientist, 69-. State of Maryland, Maryland Psychiatric Research Center, Baltimore, Md. 21228.
- HANNES, DR. ELI MARTIN. Psychology. See A-K Vol. 11th ed. Soc. & Behav. Vols. New position: Asst. prof., Lehman Col., 69-. Address: 139-19 31st Rd., Flushing, N.Y. 11354.
- HANSBURG, DR. HENRY G. Clinical Psychology. See A-K Vol. 11th ed. Soc. & Behav. Vols. New information: Psychotherapist & researcher, Jewish Child Care Assn., 68-. Address: 470 Ocean Pkwy., Brooklyn, N.Y. 11218.
- HANSELL, DR. NORRIS, b. Bryn Mawr, Pa., Dec. 20, 31; m. 55; c. 4. MANAGEMENT SCIENCE. PSYCHIATRY. B.A., Haverford Col., 53; M.D., Pennsylvania, 58; M.S. Hyg., Harvard, 64. Asst. dir. student ment. health serv. St. Joseph's Col. (Pa.), 62-64; zone dir., Ill. State Dept. Ment. Health, Rockford, 64-68; dir. poverty studies unit, lab. community psychiatrist, Harvard Med. Sch., 68-69; ASST. PROF. PSYCHIAT. & DIR. CURRICULUM DEVELOP. DEPT. PSYCHIAT. MED. SCH. NORTHWESTERN, 69-. Consult. dir. ment. health expediter curriculum, Northern Illinois, 64-. consult. serv. design, H. Douglas Singer Zone Center, Rockford & Taunton State Hosp., Mass., 68-69; Psychiat. Asn. Overhaul of domestic social casualty management; comparative analysis of human social services territorial organization. Publ. Patient predicament and clinical service, a system, 8/67, Casualty management method: an aspect of mental health technology in transition, 9/68; Decision counseling method: expanding coping at crisis-in-transit, 5/70, Arch. Gen. Psychiat. Address: Dept. of Psychiatry, Northwestern University Medical School, 303 E. Chicago Ave., Chicago, Ill. 60611.
- HANSEN, DR. DUNCAN (NEWELL), b. Chicago, Ill., Aug. 22, 30; m. 61; c. 5. PSYCHOLOGY, EDUCATION. B.A., Chicago, 50; B.S., Washington (St. Louis), 52; M.S., 53; Ph.D. (ed. psychol.), Stanford, 64. Teacher, Red Bud Community Sch., 54-56; instr. lab. sch., Univ. Chicago, 56-59; teaching asst., Stanford, 61-62; res. assoc. inst. math. studies in soc. sci., 63-66; instr. sch. ed., 64-66; DIR. COMPUTER-ASST. INSTR. CENTER, FLA. STATE, 66-. Consult. Oakland Pub. Schs., Calif., 64-66; U.S. Off. conf. learning & ed. process, summer 65; Gov. Conf. Ed., Fla., 66. Psychol. Asn. Ed. Res. Asn. Computer-assisted instruction; reading and psycholinguistics; mathematical models of learning. Publ. Co-auth. Applications and problems in elementary statistics, Wadsworth, 63 & Computer-assisted instruction in reading, Reading Res. Quart., fall 66; auth. Computer-assisted instruction and the individualization process, J. Sch. Psychol., spring 68. Address: Computer-Assisted Instruction Center, 1A Tully Bldg., Florida State University, Tallahassee, Fla. 32306.
- HANSEN, DR. EDWARD CHARLES, b. Ann Arbor, Mich., Feb. 27, 40; m. 62; c. 2. ANTHROPOLOGY. B.A., Michigan, 61; M.A., 64, Nat. Defense For. Lang. fel., 64-68, Ph.D. (anthrop.), 69. ASST. PROF. ANTHROPO. QUEENS COL. (N.Y.), 68. City Univ. New York summer res. grant, 69. Anthropol. Asn. Anthropology of underdeveloped nations; peasant society and culture; Latin American and Spanish ethnology. Publ. Co-auth. Caudillo politics: a structural analysis, Comp. Stud. in Soc. & Hist., 1/67; auth. The state and the land tenure in rural Catalonia Spain, Anthropol. Quart., 7/69. Address: Dept. of Anthropology, Queens College, Flushing, N.Y. 11367.
- HANSEN, DR. GEORGE ERIC. Political Science. See A-K Vol. 11th ed. Soc. & Behav. Vols. New position & address: Asst. prof., 69-. Dept. of Political Science, Haverford College, Haverford, Pa. 19041.
- HANSEN, DR. HUGH (GROVES), b. Chico, Calif., Aug. 25, 17; m. 43; c. 2. ECONOMICS. B.A., Oberlin Col., 38; M.P.A., Michigan, 46; Haynes Found., fel., 52-53; Ph.D. (econ.), California, 55. Economist. Off. Price Admin., Calif., 51-52; res. analyst, bur. pub. admin., California, 53-54; asst. prof. econ., North Dakota, 54-55; Iowa, 55-58; chief, U.S. Census Irrigation, 58-59; economist, regional econ. develop. Orgn. Am. States, Argentina, 59-60; vis. assoc. prof. ECON., Cornell, 60-61; ASSOC. PROF. Colorado, 61-64; WYOMING, 64-. Comparative economic systems; economic development and water resources; employment theory and policy. Publ. Central Valley Project, federal or state? Address: Dept. of Economics, University of Wyoming, Laramie, Wyo. 82070.
- HANSEN, MORRIS (HOWARD). Statistics. See A-K Vol. 11th ed. Soc. & Behav. Vols. New information: Retired, U.S. Bur. Census; sr. staff adv., Westat Res. Inc., 68-. Address: Westat Research Inc., 7979 Old Georgetown Rd., Bethesda, Md. 20014.
- HANSEN, DR. NILES (MAURICE). Economics. See A-K Vol. 11th ed. Soc. & Behav. Vols. New position & address: Prof. econ. & dir., 69-. Center for Economic Development, University of Texas, BEB 413, Austin, Tex. 78712.
- HANSLOWE, PROF. KURT L. Law. See 5th ed. Dir. Am. Scholars, Vol. IV, Philos., Relig. & Law.
- HANSON, PROF. DAVID P. b. Brooklyn, N.Y., July 6, 30; m. 56; c. 2. EDUCATIONAL PSYCHOLOGY. A.B., Hope Col., 53; M.Ed., Springfield Col., 56; Alumni Assn. scholar, & D.Ed. (sch. psychol.), Rutgers, 65-. Teacher, N.Y., 58-58; sch. psychologist, Westfield, N.J., 60-62; sch. psychologist & dir. child study, Ridgely, 62-67; assoc. prof. PSYCHOL. EDINBORO STATE COL., 67-68, PROF. 68-. Co-adj. staff, Rutgers & St. Peter's Col., 66; Jersey City State Col., 67-. Consult. psychol. lab., Stevens Inst. Tech., 67; Erie Guid. Center, Pa., 68-. U.S.A., 59-55. Psychol. Asn.; Coun. Except. Children. School psychology; administration of child study services including consulting psychiatry, social work, special education, guidance, speech therapy, and remedial reading; training programs for school psychologists; special education services for handicapped; psychological testing. Address: Dept. of Psychology, Edinboro State College, Edinboro, Pa. 16412.
- HANSON, DR. JAMES W (WARREN). Economics. See A-K Vol. 11th ed. Soc. & Behav. Vols. New position & address: Dir., 68-. Esso S.A.P.A., Av. Roque Saenz Pena 567, Buenos Aires, Argentina.
- HANSON, DR. JOHN (ANDREW). Psychology. See A-K Vol. 11th ed. Soc. & Behav. Vols. New position & address: V-pres. & treas., 69-. Man-Tech, Inc., 22 Woburn St., Reading, Mass. 01867.
- HANSON, PROF. MORGAN. Operations Research, Statistics. See Suppl. V to 11th ed. Phys. & Biol. Vols.
- HANTEN, PROF. EDWARD W. b. White Lake, S. Dak., Feb. 12, 18; m. 41. URBAN STUDIES, GEOGRAPHY. B.A., Earlham Col., 53; Pa. State, 54-55; M.A., Pittsburgh, 58, Ph.D. (urban geog.), 62. Instr. urban geog., Pittsburgh, 59-60; res. assoc. urban fiscal develop., Pa. Econ. League, 60-63; asst. prof. urban geog., AKRON, 63-65; assoc. prof. geog. & urban studies, 65-67, PROF. GEOG. & URBAN STUDIES & HEAD DEPT. URBAN STUDIES, 67-. DIR. CENTER URBAN STUDIES, 68-. Independent consult. urban develop., 58-. Regional Sci. Asn.; Asn. Am. Geog. Urban fiscal development and local tax policy; environmental pollution and its impact on the urban social structure. Address: Dept. of Urban Studies, University of Akron, Akron, Ohio 44304.
- HANTZ, PROF. HAROLD D (ONOVAN). Philosophy. See 5th ed. Dir. Am. Scholars, Vol. IV, Philos., Relig. & Law.
- HANUSHEK, CAPT. ERIC A. U.S.A.F. b. Lakewood, Ohio, May 22, 43; m. 65; c. 1. ECONOMICS. B.S., U.S. Air Force Acad., 65; Ph.D. (econ.), Mass. Inst. Tech., 68. U.S. AIR FORCE, 61-. ASST. PROF. ECON. U.S. AIR FORCE ACAD., 68-. Econ. consult., Rand Corp., 69-. Econ. Asn.; Economet. Soc.; Statist. Asn. Econometrics; urban economics; human resources. Address: Dept. of Economics, U.S. Air Force Academy, Colo. 80840.
- HANVICK, DR. LEO J. Psychology. See A-K Vol. 11th ed. Soc. & Behav. Vols. New information: Dir., Washburn Child Guid. Center, 68-. Address: 901 Utah Ave. S., Minneapolis, Minn. 55426.
- HAQUE, ABU SAEED ZAHURUL. Folklore, Comparative Literature. See Suppl. I to 5th ed. Dir. Am. Scholars.
- HARARI, DR. CARMEL. Clinical Psychology. See A-K Vol. 11th ed. Soc. & Behav. Vols. New information: Mem. faculty, teachers col. Columbia & Queens Col. Address: 285 Central Park W., New York, N.Y. 10024.
- HARBESON, DR. JOHN W. b. New Brunswick, N.J., Sept. 14, 38; m. 63. POLITICAL SCIENCE. A.B., Swarthmore Col., 60; M.A., Chicago, 62; fel. East Africa, 66-67; Ph.D. (polit. sci.), Wisconsin, 70. ASST. PROF. POLIT. SCI., WISCONSIN-PARKSIDE, 67-. Polit. Sci. Asn.; African Studies Asn. Politics of new nations; empirical theory; theories of modernization; Africa; rural modernization. Publ. Land resettlement and political development, 66 & Land resettlement and development strategy, 67, Inst. Develop. Studies. Address: Dept. of Political Science, University of Wisconsin-Parkside, Kenosha, Wis. 53140.
- HARDBECK, DEAN GEORGE W. Labor Economics. See A-K Vol. 11th ed. Soc. & Behav. Vols. New position: Dean, col. bus. admin. Creighton, 68-. Address: 4225 Terrace Dr., Omaha, Nebr. 68134.
- HARDER, DR. K. PETER, b. Steinau, Germany, Apr. 22, 40; U.S. citizen; m. 64. ECONOMICS, ECONOMIC HISTORY. B.A., Puget Sound, 63; Nat. Defense Ed. Act fel., Nebraska, 63-66, M.A., 66, Ph.D. (econ.), 68. ASST. PROF. ECON., WICHITA STATE, 67-. Am. Econ. Asn.; Econ. Hist. Asn.; Brit. Econ. Hist. Soc.; Bus. Hist. Asn. Economic history of the United States and Europe; history of economic thought. Publ. Major factors in business formation and development, Nebr. J. Econ., & Bus., summer 69 & Papers Bus. Hist. Conf. 69. Address: Dept. of Economics, Wichita State University, Wichita, Kans. 67208.
- HARDIE, DR. IAN W. Agricultural Economics. See A-K Vol. 11th ed. Soc. & Behav. Vols. New position & address: Asst. prof., 69-. Dept. of Agricultural Economics, University of Maryland, College Park, Md. 20740.
- HARDIN, DR. RECTOR (ROEMILT). Economics. See A-K Vol. 11th ed. Soc. & Behav. Vols. New position & address: Dir., 69-. Division of Business & Economics, Gardner-Webb College, Box 893, Boiling Springs, N.C. 28017.
- HARDISON, DR. RICHARD C. b. Charleston, S.C., 22; ed. PSYCHOLOGY, PHILOSOPHY. A.B., Occidental Col., 48, M.A., 49; Ed.D. (ed. psychol.), Southern California, 61. PROF. PSYCHOL. & PHILOS., GLENDALE COL., 49-. Vis. scholar, California, Irvine, 68-69. Psychol. Asn. Errors of testing and analysis in college reading improvement programs. Address: 204 Table Rock, South Laguna, Calif. 92677.
- HARDMAN-de-BAUTISTA, DR. M. J. b. Salt Lake, Utah, Oct. 8, 35; m. 62; c. 2. LINGUISTICS, ANTHROPOLOGY. B.A., Utah, 55; M.A., New Mexico, 57; Fulbright scholar, San Marcos Univ., Lima, 58-59; Ph.D. (ling. Spanish), Stanford, 63. Instr. English, San Marcos Univ., Lima, 58; ling. Cornell,

- 61-63; asst. prof. Spanish & ling. Santa Clara, 63-65; dir. Nat. Inst. Ling. Studies, La Paz, Bolivia, 65-69; prof. ling. La Paz, 65-67; ASSOC. PROF. ANTHROP. FLORIDA, 67-; Trainer Peace Corps, Quechua area, California, Los Angeles, 63; Nat. Sci. Found. res. grant, 64; Fulbright lectureships, Bolivia, 65-67; travel grant, participant & del. PILEI, Mexico City, Mex, 68; Phillips Fund grant, Am. Philos. Soc, 68; Ford Latin Am. Studies grant, Indiana, 68; Nat. Defense Ed. Act. contract, 69-70; summers, asst. coordinator, Quechua prog, Cornell, 62, res. appointment, Florida, 69. Anthropol. Asn; Ling. Soc; Asn. Comput. Ling; Int. Ling. Asn. Preparation of Aymara materials for teaching Aymara to English or Spanish speakers; preparation of basic grammatical description of Aymara; comparative research in Jaqi languages towards reconstruction of Proto-Jaqi; computerized comparative dictionary of Andean languages, primarily Jaqian. Publ: Jaguar: outline of phonological and morphological structure, Mouton, 66; Consonantal conditioning of the distribution of vowel allophones in Jaguar, Sphinx, 61; Sistema fonico del Jaguar, Rev. del Museo Nacional, 63. Address: Dept. of Anthropology, University of Florida, Gainesville, Fla. 32601.
- HARDY, PROF. J. GARRICK, b. Mobile, Ala, Nov. 16, 19; m. 39; c. 1. SOCIOLOGY, EDUCATION. B.S., Ala. State Col, 32; M.S., Iowa State Col, 33; Ph.D.(sociol), Wisconsin, Madison, 46. Teacher & asst. prin, high sch, Ala, 33-34; dir. summer sch. & coach, ALABAMA STATE, 34-42, prin, 42-43, dean jr. col, 46-51, dean freshman col, 51-61, dir. student personnel, 61-63, PROF. SOCIOLOGY & HEAD DEPT., 63-, gen. alumni secy, 36-42, coach debating team, 46-55, dir. pub. rels, 47-63, Rep. White House Conf. Minority Contracts, 63, men. exec. com., B. Behav. Res. Found, 68-70; msm. exec. bd, Montgomery Chap, Nat. Un. Conf. rep., White House Conf. Ed. mem., President's Cmt. Prevention & Control Juvenile Delinquency. Fel. Sociol. Asn; fel. Soc. Appl. Anthropol. Coun. on Ed; Asn. Higher Ed; Asn. Soc. & Behav. Scientists. Treatment and rehabilitation of juvenile delinquents in state juvenile institutions; attitude studies of college students regarding the present education programs, especially in lower under-graduate division; study of marriage and family relations as indicated or evidenced in culturally depressed groups. Publ: Freshman Handbook for Alabama State, 47-60 & Pilot (student handbook), 61, Alabama State Univ; Bulletin and newsletters, Ala. State Teachers Assn, 55-58. Address: Dept. of Sociology, Alabama State University, Montgomery, Ala. 36106.
- HARE, DR. ROBERT DOUGLAS, b. Calgary, Alta, Sept. 26, 34; m. 59; c. 1. EXPERIMENTAL PSYCHOLOGY. B.A., Alberta, 58, M.A., 60; Ph.D.(psychol), Western Ontario, 63. Asst. prof. PSYCHOL, BRITISH COLUMBIA, 63-67, ASSOC. PROF, 67- Res. consult. Matsqui Drug Addiction Inst, 68- Can. Ment. Health Assn. res. award, 69. Psychol. Asn. Human psychophysiology; experimental studies of psychopathy; human learning. Publ: Psychopathology: theory and research, Wiley, 70; Psychopathy, autonomic functioning, and the orienting response, J. Abnorm. Psychol. Monogr. Suppl, 68; co-auth, Autonomic responses to affective visual stimulation, Psychophysiology, (in press). Address: Dept. of Psychology, University of British Columbia, Vancouver 8, B.C., Can.
- HARGREAVES, DR. LEON ABRAHAM, JR. Forest Management. See H-K Vol, 11th ed, Phys. & Biol. Vols.
- HARGROVE, DEAN MERWIN M(ATTHEW). Business Administration. See A-K Vol, 11th ed, Soc. & Behav. Vols. New position: Trustees prof, 68- College of Business Administration, University of Tulsa, Tulsa, Okla. 74104.
- HARING, PROF. PHILIP S(MYTHY). Political Science. See A-K Vol, 11th ed, Soc. & Behav. Vols. New position: Prof. polit. sci. Knox Col.(Ill). New publ: Political morality, Schenckman, 70. Address: 30 Hillcrest Dr, Galesburg, Ill. 61401.
- HARING, PROF. ROBERT C(HARLES). Marketing, Resource Economics. See A-K Vol, 11th ed, Soc. & Behav. Vols. New position & address: Coordinator grad. studies, 69-, College of Business, University of Arkansas, Fayetteville, Ark. 72701.
- HARKNESS, DR. JAMES P(PIERRY). Sociology, Medical Sociology. See A-K Vol, 11th ed, Soc. & Behav. Vols. New position: Dep. coordinator, 68-, New Jersey Regional Medical Program, 88 Ross St, East Orange, N.J. 07018.
- HARLAN, DR. REGINALD KELSEY, b. Floydada, Tex, May 23, 18; m. 47. AGRICULTURAL ECONOMICS. B.S. Tex. Tech. Col, 49; M.S., 54; Ph.D. (Agr. econ), Ohio State, 61. Gen. mgr. Consumers Fuel Assn, Tex, 48-47; instr. N.Mex. State Dept. Ed, 49-51; exec. secy, Farm Bur, Lea County, N.Mex, 52-53, Chaves County, 53-54; teacher high sch, Tex, 54-56; exten. economist, Univ. Arkansas, 61-63; assoc. prof. agr. econ, Univ. Wyo. Term, Kabul Univ, Afghanistan, 63-66; prof, 66-68; ASSOC. PROF. AGR. & RESOURCE ECON, Maine, 68- U.S.N. 40-45, Res. 45-55, Lt. Agr. Econ. Asn. Agricultural production, marketing, policy, credit, and development; costs and returns and efficiency analysis of potato production in Maine. Publ: Export program, drought, soil bank boost prices for Ohio Farmers, State Ext. Serv, Ohio, 56-61; Summary analysis of farm business records, 1962, Univ. Agr. Econ. Serv, 63; co-auth. The economics of grape production and marketing in the Koh Dam Valley, Afghanistan, Kabul Univ. Faculty Agr, Kabul, Afghanistan, 11/67. Address: Winslow Hall, University of Maine, Orono, Maine 04473.
- HARLESS, DR. JAMES DEAN, b. Birmingham, Ala, Oct. 3, 31; m. 49; c. 2. MASS COMMUNICATIONS, JOURNALISM. B.A. Samford, 57; M.A., Alabama, 58; Ph.D.(mass comm), Iowa, 67. Instr. English & journalism, Wis. State, River Falls, 58-64, asst. prof. JOURNALISM, 64-67, assoc. prof, 67; asst. prof, Alabama, 67-69; ASSOC. PROF. OHIO STATE, 69- U.S.N. 51-54. Asn. Ed. in Journalism. Communications; popular arts effects. Address: Dept. of Journalism, Ohio State University, Columbus, Ohio 43210.
- HARMAN, DR. ROBERT C, b. Los Angeles, Calif, July 24, 36; m. 67; c. 1. ANTHROPOLOGY. B.A. California, Santa Barbara, 62; M.A., Arizona, 64, Nat. Inst. Ment. Health fel, 67-69, Ph.D.(anthrop), 69. ASST. PROF. ANTHROP, CALIF. STATE COL. LONG BEACH, 70- U.S.A. 55. Ethnol. Soc; Soc. Appl. Anthropol; fel. Anthropol. Asn. Publ: Change in a Navajo Ceremonial, El Palacio, spring 64; La medicina preventiva en una comunidad india de los altos de Chiapas, Mexico, Amario Indigenista, 12/69. Address: Dept. of Anthropology, California State College at Long Beach, Long Beach, Calif. 90801.
- HARMON, DR. LINDSEY R(ICHARD). Personnel Psychology. See A-K Vol, 11th ed, Soc. & Behav. Vols. Change of address: 1201 N. Illinois St, Arlington, Va. 22205.
- HARMON, PROF. M(ONT) JUDD. Political Science. See A-K Vol, 11th ed, Soc. & Behav. Vols. Change of address: 1252 Sumac Dr, Logan, Utah 84321.
- HARMS, DR. L. STANLEY, b. Spink County, S.Dak, Dec. 3, 28; m. 66; c. 3. SPEECH, COMMUNICATION. B.A., Florida, 55; M.A., Ohio State, 57, Ph.D. (speech-comm), 59. Asst. prof. Texas, La State, 59-62; ASSOC. PROF. SPEECH-COMMUN, Kansas, 62-65; HAWAII, 65- St. specialist, East-West Center, Honolulu, 65-66. U.S.A. 47-50. Speech Asn; Int. Commun. Asn. Two-person intercultural interchange in face-to-face communication between dissimilar persons; two person learning systems in the area of speech-communication. Publ: Phonetic transcription, Scott, 64; co-auth, Speech-communication learning systems, Int. Learning Sys., 70 & International studies of national speech-education systems, Burgess, 70. Address: Dept. of Speech-Communication, University of Hawaii, Honolulu, Hawaii 96822.
- HARNED, DR. LOUISE. Political Science. See A-K Vol, 11th ed, Soc. & Behav. Vols. New position: Soc. sci. res. analyst, U.S. Dept. Labor, 69- Address: 1100 Sixth St. S.W., Washington, D.C. 20024.
- HARONIAN, DR. FRANK (JOHN, JR.). Psychology. See A-K Vol, 11th ed, Soc. & Behav. Vols. New position: V-pres, Psychosynthesis Res. Found. N.Y. 69- Address: 2807 Princeton Pk, Trenton, N.J. 08638.
- HARPER, DR. F(LOYD) (ARTHUR). Economics. See A-K Vol, 11th ed, Soc. & Behav. Vols. Change of address: Institute for Humane Studies, Inc. 1134 Crane St, Menlo Park, Calif. 94025.
- HARPER, DR. PAUL FREDERICK, b. Ingram, Pa. Oct. 26, 29; m. 58. POLITICAL SCIENCE. B.A. Pittsburgh, 60; Nat. Defense For. Lang. fel, Cornell, 60-62, Ford Found. For. Area fel, 62-63, London-Cornell Prof. fel, 64-66. Ph.D.(polit. sci), 69. Instr. POLIT. SCI. HOFSTRA. 66-68. ASST. PROF. 69- U.S.A. F. 51-55. Polit. Sci. Asn; Asn. Asian Studies. Role of trade unions in Communist China's political system. Publ: The party and the unions in Communist China, China Quart, 1-3/69; Cultivation of workers for leadership in Communist China, In: The city in Communist China, Stanford, (in press). Address: Dept. of Political Science, Hofstra University, Hempstead, N.Y. 11550.
- HARRELL, PROF. LESTER EDWARD, JR. Developmental Psychology. See A-K Vol, 11th ed, Soc. & Behav. Vols. New information: Dir. 69- Office of Institutional Studies, University of Texas at Austin, Will C. Hogg Bldg. 101. P.O. Box 7518, Austin, Tex. 78712.
- HARRIGAN, DR. JOHN E, b. Elizabeth, N.J. Nov. 11, 34; m. 60; c. 2. EXPERIMENTAL PSYCHOLOGY, HUMAN FACTORS ENGINEERING. Pub. A. California, Berkeley, 59; Ph.D.(exp. psychol), Colorado State, 66. Supvr. human eng. space div, Chrysler Corp, 64-65; asst. prof. psychol, Washington State, 66-68; prob. mgr. human factors, Naval Electronics Lab. Center, San Diego, Calif. 68-69; ASSOC. PROF. PSYCHOL, CALIF. STATE POLYTECH. COL. SAN LUIS OBISPO, 69- Prin. scientist, Booz-Allen Appl. Res. Inc, 69- U.S.N. 52-55. Psychol. Asn; Human Factors Soc(ed. Human Factors Bull, 66-); Opers. Res. Soc. Am. Psychology for application within engineering, city planning and architectural endeavors; cybernetics and theoretical model building. Publ: Co-auth. S-R and R-S acquisition as a function of meaningfulness, 67 & The effect of CPZ on survival motivated escape response, 68, Psychonomic Sci; auth. CIC effectiveness measurement by means of computerized simulation, Dept. of Navy, 6/69. Address: Dept. of Psychology, California State Polytechnic College, San Luis Obispo, Calif. 93401.
- HARRINGTON, DR. CHARLES CHRISTOPHER, b. New York, N.Y. Jan. 14, 42; m. 62; c. 2. ANTHROPOLOGY. A.B. Syracuse 62; Ph.D.(soc. anthrop), Harvard, 68. Res. assoc. anthrop. ment. health res. unit, N.Y. State Dept. Ment. Hygiene, 65-67; ASST. PROF. ANTHROP. & ED, TEACHERS COL, COLUMBIA, 67- AAAS; fel. Anthropol. Asn; fel. Soc. Applied Anthropol. Sociol. Asn; Soc. Psychol. Study Social Issues. Psychological and social anthropology; socialization; political socialization; sex role socialization. Publ: Errors in sex-role behavior in teen age boys, Teachers Col, 70; co-auth. The learning of political behavior, Scott, 70 & Clergyman as counselor, Am. J. Sociol, 63. Address: Box 95, Teachers College, Columbia University, New York, N.Y. 10027.
- HARRINGTON, PROF. D(AVID) (NOBLES). Agricultural Economics. See A-K Vol, 11th ed, Soc. & Behav. Vols. New position: Agr. economist, prod. resources br, Econ. Res. Serv. U.S. Dept. Agr, Wash, D.C. 69- Address: 9305 Nester Rd, Fairfax, Va. 22030.
- HARRINGTON, DR. ROBERT WILLARD. Psychology. See A-K Vol, 11th ed, Soc. & Behav. Vols. New position: V-pres, Data Dynamics, Inc. Arlington, 69- Address: 11763 N. Shore Dr, Reston, Va. 22070.
- HARRIS, DR. ALBERT J(OSIAH). Psychology. See A-K Vol, 11th ed, Soc. & Behav. Vols. New information: Emer. prof, City Univ. N.Y. 68- Address: 345 E. Grand St, Mt. Vernon, N.Y. 10552.
- HARRIS, DR. CHARLES STANLEY, b. Syracuse, N.Y. Nov. 25, 41; m. 65; c. 1. SOCIOLOGY. B.A. Syracuse, 63; M.A., Duke, 65, Nat. Inst. Ment. Health fel, 65-67, fel. 66-67, Nat. Sci. Found. fel. & Ph.D.(sociol), 67. Asst. SOCIOL, Duke, 63-65; ASST. PROF. GEORGE WASHINGTON, 67- Consult. N.C. Fund. Res. Mgt. Corp. 68. Sociol. Asn. Work and leisure relationships; occupational career patterning; social correlates of retirement; organizational

- stress; occupational ideologies. Publ: Occupational correlates of associational participation, Sociol. Symp. spring, 69. Address: Dept. of Sociology, George Washington University, Washington, D.C. 20006.
- HARRIS, PROF. CHARLES W.** Political Science. See A-K Vol. 11th ed, Soc. & Behav. Vols. New information: Dir. grad. studies, Coppin State Col., 70. Address: 4103 Fernhill Ave, Baltimore, Md. 21215.
- HARRIS, DR. DEAN A.** Flint, Mich. Mar. 31, 30. **AUDIOLOGY.** B.A., Michigan, 52, M.S., 53; Ph.D. (audiol.), Oklahoma, 61. Therapist, Brooke Army Hosp., San Antonio, Tex. 53-54; audiologist, Walter Reed Army Hosp., D.C., 54-55; private practice, Dallas, Tex. 55-57; med. center, Univ. Oklahoma, 57-60; chief audiol. & speech path. Vet. Admin. Hosp., Dallas, 60-65; ASSOC. PROF. ADIOL. SOUTHERN METHODIST, 65- Instr. North Texas State, 56-57; assoc. dir. audiol. Callier Hearing & Speech Center, Dallas, 65-; vis. summer lectr., Texas Woman's Univ., 64. Speech & hearing consult, Oasis Shrine Crippled Childrens Clin., 61. U.S.A., 53-55; Res. 63-65; Capt. Speech & Hearing Assn. Nonorganic hearing loss; hearing aids; audiometric technique; speech transmission systems. Address: Dept. of Audiology, Southern Methodist University, Dallas, Tex. 75222.
- HARRIS, DR. DOUGLAS H (HERSHL).** Psychology. Statistics. See A-K Vol. 11th ed, Soc. & Behav. Vols. New position: Prof. sci. adm., Anacapa Sci. Inc., Santa Barbara, 69- Address: 7148 Armstrong Rd, Goleta, Calif. 93017.
- HARRIS, DR. GEORGE L (LAWRENCE).** B., Spokane, Wash. Nov. 13, 10. 61. **CULTURAL ANTHROPOLOGY.** B.A., Washington (Seattle), 40; Ph.D. (anthrop.) Catholic Univ., Wash. D.C., 42; chief China desk, polit.-econ. sect., Mil. Intel. Serv., Wash. D.C., 46; for. serv. reserve officer, U.S. Embassy, Nanking & exec. secy. & dir. U.S. Ed. Found. in China, 47-49; dep. officer in charge, pub. affairs staff, Bur. Far East Affairs, U.S. Dept. State, 50-53; sr. res. assoc. anthrop. Spec. Oper. Res. Off. For. Areas Studies Div., AMERICAN UNIV., 55-56; ASSOC. PROF. CULTURAL ANTHROP. & FAR EAST STUDIES, SCH. INT. SERV., 64-; Ford Found. res. grant admin. by Sch. Int. Serv., 67-68. Mil. Intel. Serv. 42-46. Capt. Anthropol. Assn; Soc. Appl. Anthropol. Assn; Asian Studies. Complex societies; ethnohistory; culture contact and change; the Far East, particularly China. Publ: Co-auth. Jordan: its people, its society, its culture, Human Rel. Area Files, 58; Japan, U.S. Govt. Printing Off., 61; auth. The Mission of Matteo Ricci, S.J.: a case study of an effort at guided cultural change in China in the sixteenth century, Monumenta Serica, Vol. XXV, 1-168. Address: School of International Service, American University, Massachusetts & Nebraska Ave., Washington, D.C. 20016.
- HARRIS, DR. JANICE WINFRED (MRS. REX D. HOPPER).** Sociology. See A-K Vol. 11th ed, Soc. & Behav. Vols. New position: Sr. res. scientist, Human Sci. Res. Inc., McLean, Va., 69- Address: 824 25th St. N.W., Washington, D.C. 20037.
- HARRIS, DR. K (ATHERINE) (SAFFORD).** Psychology. See A-K Vol. 11th ed, Soc. & Behav. Vols. New information: Prof. City Univ. N.Y., 70-; assoc., Haskins Labs. Address: Graduate Center, City University of New York, 33 W. 42nd St., New York, N.Y. 10036.
- HARRIS, DR. LAUREN.** Developmental Psychology. See A-K Vol. 11th ed, Soc. & Behav. Vols. New position: Assoc. prof., 69-; Dept. of Psychology, Michigan State University, East Lansing, Mich. 48823.
- HARRIS, DR. PHILIP ROBERT.** B., Brooklyn, N.Y. Jan. 22, 26; m. 65. **BEHAVIORAL SCIENCE, MANAGEMENT PSYCHOLOGY.** B.B.A., St. John's, 49; M.S., Fordham, 52; Ph.D. (psychol.), 56. Guid. dir. St. Francis Prep. Sch., N.Y., 54-56; v.pres. develop. & student personnel serv., St. Francis Col. (N.Y.), 56-64; exec. dir. leadership training, Assn. Human Emergence, Inc., Ill., 64-66; sr. assoc. behav. sci., Leadership Resources, Inc., D.C., 66-70; V.PRES. & DIR. MGT. & ORGN. DEVELOP. DIV., COPELY INT. CORP., 70-79. Ment. Health, U.S. Dept. Health, Ed. & Welfare grant, 58-60; U.S. State Dept. grant & Fulbright prof., U.S. Ed. Found., India & lectr., Japan, Africa, & Latin Am., 62-63; Nat. Training Labs. Inst. Appl. Behav. Sci. Scholar, 65; vis. prof. counsr. ed. sch. ed. Pa. State, 65-66. Consult, U.S. OM, Ed. 67-68; psychol. consult, bur. bus. & govt. serv., Temple, 67-69; consult, various private & pub. agencies. Soc. Training & Develop; Psychol. Assn. Mgt. Assn. Acad. Mgt. World Future Soc. Counseling psychology, especially group process leadership and management training; the future of man. Publ: Co-auth. It's your education, it's your personality, it's your life, it's your future, Harcourt, 54-67; Asian & Japanese eds., 62. Address: 1219 Coast Blvd., La Jolla, Calif. 92037.
- HARRIS, DR. RICHARD J (EROME).** B., Vicksburg, Miss. May 17, 40. m. 65; c. 2. **PSYCHOLOGY.** B.S., Wisconsin, 63; M.A., Stanford, 66; Ph.D. (psychol.), 68. Instr. psychol. & sociol., Talladega Col., 65-66; res. assoc. PSYCHOL. behav. res. lab. Palo Alto Vet. Admin. Hosp., Calif., 67-68; ASST. PROF. NEW MEXICO, 68- Lectr. sr. honors seminar, Stanford, 68; Nat. Insts. Health grant, 70. Psychol. Assn. Post-decision attitude change; experimental games. Publ: Deterministic nature of probabilistic choices among identifiable stimuli, J. Exp. Psychol., 79: 552-560, Dissociance or sour grapes? post-decision changes in ratings and choice frequencies, J. Personality & Soc. Psychol., 11: 334-344; Note on optimal policies for the prisoner's dilemma, Psychol. Rev., 76: 363-375. Address: Dept. of Psychology, University of New Mexico, Albuquerque, N.Mex. 87106.
- HARRIS, PROF. ROBERT E. G.** B., Bloomington, Ind. Apr. 3, 03; m. 25; c. 1. **SOCIAL SCIENCES, COMMUNICATIONS.** A.B., Indiana, 25, A.M., 26; Yale, 26-27; Southern California, 28-29. Instr. Eng. & French, Bucknell, 25-26; Col. Prep. Sch., Conn., 26-27; Eng. & journalism, Los Angeles City Col., 29-42; ed. Los Angeles Daily News, 45-50; PROF. JOURNALISM, CALIFORNIA, LOS ANGELES, 50-, chmn. dept. 55-60. Ed. columnist, Los Angeles Times, 50-53; U.S. State Dept. specialist, Turkey & Iran, 59; Del Am Found. fel., Spain, 60; ed-in-chief, Capricorn TV Enterprise, 62; guest lectr., Japanese Univ., 68; guest prof., inst. journalism, Vienna, 70. Ed. consult, Frontier Mag., 49-59; consult, White House, Wash. D.C. 52. U.S.N.R., 42-44, Lt. Spanish press; Vienna postwar press. Publ: The press in an authoritarian state, 63, The Spanish press in transition, 66 & What Vienna's editors think, 69, Univ. California, Los Angeles. Address: 1413 Thayer Ave., Los Angeles, Calif. 90024.
- HARRIS, PROF. ROBERT J (ENNINGS).** Political Science. See A-K Vol. 11th ed, Soc. & Behav. Vols. New position: James Hart prof. govt. & prof. hist., 68-, University of Virginia, 252 Cabell Hall, Charlottesville, Va. 22903.
- HARRIS, DR. ROY DUANE.** B., Palestine, Tex. Dec. 4, 34; m. 60; c. 2. **BUSINESS ADMINISTRATION, OPERATIONS MANAGEMENT.** B.S.M.E., Texas, 58, M.S.M.E., 60; Ph.D. (oper. mgt.), California, 65. Instr. mech. eng., TEXAS, AUSTIN, 60, asst. prof. MGT., 65-68, ASSOC. PROF., 68- Res. eng., California, Los Angeles, 65; summers, asst. to dir. mfg. Revell, Inc., Calif., 61, asst. to v-pres., Eldon Indust., Inc., 62, asst. to mgr., Librascope Div., Gen. Precision, Inc., 63. Consult. to mgr. mfg., Interstate Electronic Corp., Calif., 65; consult, Susan Crane Packaging, Inc., Tex., 69; Manned Spacecraft Center, summer 69. Instr. Mgt. Sci. Inst. Indust. Eng. Cost effectiveness analysis; jobshop scheduling; program management. Publ: An empirical investigation and model proposal of a jobshop like queuing system, West. Mgt. Sci. Inst., Univ. Calif., Los Angeles, 8/65; A cost-effectiveness model to facilities layout, J. Indust. Eng., 6/67; A feasibility study in time-sharing management gaming, Grad. Sch. Bus. Univ. Tex., 11/67. Address: Dept. of Management, University of Texas at Austin, Austin, Tex. 78712.
- HARRIS, DR. SANDRA L (EVE).** B., Seattle, Wash. Apr. 15, 42. **PSYCHOLOGY.** B.A., Maryland, 64; Ph.D. (clin. psychol.), State Univ. N.Y. Buffalo, 70. Psychol. intern. St. Elizabeths Hosp., 66-67; psychol. clin. State Univ. N.Y. Buffalo, 68-69; field assessment officer, Peace Corps, 68; teaching assoc. psychiatrist, E.J. Meyer Hosp., 68-69. ASST. PROF. PSYCHOL., DOUGLASS COL., RUTGERS, 69- Clinical psychology; psychotherapy; experimenter and subject variables. Publ: Co-auth. Sexual aspects of Rorschach administration, 69 & Sexual aspects of TAT administration, 70. J. Consult. & Clin. Psychol.; Stimulus intensity dynamism and the matching principle, J. Exp. Psychol., 70. Address: Dept. of Psychology, Douglass College, Rutgers, The State University, New Brunswick, N.J. 08903.
- HARRIS, DR. THOMAS M.** B., Hong Kong, China, Apr. 19, 36; U.S. citizen; m. 67; c. 1. **SOCIAL PSYCHOLOGY.** Ph.D. (soc. psychol.), Columbia, 66. Vol. U.S. Peace Corps, Keta, Ghana, 62-64; instr. PSYCHOL., Bloomfield Col., 65-66; instr. prof. WIS. STATE, LA CROSSE, 66-68. ASSOC. PROF., 68- Psychol. Assn. Attitude measurement and change; group dynamics; personality development. Address: Dept. of Psychology, Wisconsin State University, La Crosse, Wis. 54601.
- HARRISON, DR. BETTY D.** B., Kemmerer, Wyo. Nov. 1, 28; m. 46; c. 2. **EDUCATIONAL PSYCHOLOGY.** B.S., Brigham Young, 59, M.S., 60, Ph.D. (ed. psychol.), 65. Res. asst. BRIGHAM YOUNG, 59-60, instr. ed. psychol., 60-65, asst. prof. ed. psychol. spec. ed. & res. & coordinator ed. center, 65-67, ASSOC. PROF. ED. PSYCHOL. & LEARNING DISABILITIES, 67-, summer coordinator ed. center, 61-69. Asst. prof., Hawaii, 67-68. Consult. I-II Proj. 65. Coun. Except. Children; Assn. Children with Learning Difficulties. Learning and learning problems. Publ: Co-auth. Remedial reading handbook, 64 & Learning disabilities handbook, 69, Utah State; auth. Creative communications, UART Jour., fall 65. Address: Dept. of Educational Psychology & Learning Disabilities, 117 College Hall, Brigham Young University, Provo, Utah 84601.
- HARRISON, DR. JOHN P.** Latin American History. See 5th ed, Dir. Am. Scholars, Vol. 1, Hist.
- HARRISON, DR. WILLIAM M.** B., Los Angeles, Calif., Dec. 22, 26; m. 60; c. 2. **ANTHROPOLOGY, ARCHAEOLOGY.** B.A., California, Santa Barbara, 54; Ph.D. (anthrop.), 57. Res. assoc. archaeol., Santa Barbara, 54-66; MASSACHUSETTS, AMHERST, 66- U.S.M.C., 43-46. AAAS; Anthropol. Assn; Soc. Am. Archaeol. Archaeological research in Southern California, American Southwest, New England and Middle Atlantic States. Publ: Mikiv: a coastal Chumash village, 66 & co-auth. An archaeological sequence for the hunting people of Santa Barbara, California, 67, Archaeol. Surv. Annual Report, Univ. Calif. Address: Dept. of Anthropology, University of Massachusetts, Amherst, Mass. 01002.
- HARRY, DR. JOSEPH.** B., Palmetto, Fla. Oct. 5, 37. **SOCIOLOGY.** B.A. Reed Col., 61; M.A., Oregon, 68, Ph.D. (sociol.), 68. ASST. PROF. SOCIOL., WAYNE STATE, 68. Sociol. Assn; Rural Sociol. Soc. Organizations; natural resources; leisure. Publ: Co-auth. The conservation movement, J. Leisure Res., 9/69; auth. Social participation and family localism, Am. J. Sociol., 3/70; A by-product theory of primary behavior, Pac. Sociol. Rev., 3/70. Address: Dept. of Sociology, Wayne State University, Detroit, Mich. 48202.
- HARSHBARGER, DR. CHARLES EDWARD.** B., Tuscola, Ill., Oct. 12, 40. m. 62; c. 2. **AGRICULTURAL ECONOMICS.** B.S., Illinois, 62, M.S., 63; Ph.D. (agr. econ), Purdue, 69. Res. asst. AGR. econ., Illinois, 62-63; Purdue, 63-66; asst. prof., Missouri-Columbia, 66-70; RES. ECONOMIST, FED. RESERVE BANK KANSAS CITY, 70- Agr. Econ. Assn. Economics of firm growth; forage production; financial management. Publ: Co-auth. Economics of soil conservation on swygart soils, Ill. Agr. Econ. 64 & Economic analysis of effects of soil loss on crop yields, J. Soil & Water Conserv., 64. Address: Federal Reserve Bank, Kansas City, Mo. 64106.
- HART, DR. (BENSON) (HAMBLETON).** Economics. See A-K Vol. 11th ed, Soc. & Behav. Vols. New position: Corp. financial economist, 68-, McGraw-Hill, Inc., 330 W. 42nd St., New York, N.Y. 10036.
- HART, DR. HERBERT CARLTON.** Psychology. Sociology. See A-K Vol. 11th ed, Soc. & Behav. Vols. New position: Chief, psychol. serv., 68-, Veterans Administration Center, 1500 Woodrow Wilson Dr., Jackson, Miss. 39216.
- HART, DR. JAMES JOSEPH.** B., Flint, Mich. Nov. 27, 35; m. 64; c. 2. **PSYCHOLOGY.** B.A., Western Michigan, 57; M.A., Missouri, 61; Ph.D. (psychol.), 64. Res. psychologist, Army Med. Labs., Edgewood Arsenal, Md., 63-66;

- ASSOC. PROF. PSYCHOL. Park Col. 66-69; MADISON COL. 69-. Med. Serv. C. U.S.A., 63-66. Psychol. Assn. Study of individual differences in human learning. Publ: Equivalence range and ego threat, *Psychotherapy*, 66; Assessing individual differences in motivation and their effect on performance of number faculty, 67 & co-auth, Practice effect on number faculty performance, 69, *Psychol. Reports*. Address: 79 Laurel St, Harrisonburg, Va. 22801.
- HART, PROF. J(OHN) FRASER. Geography. See A-K Vol, 11th ed, Soc. & Behav. Vols. New information: Ed. *Annals. Am. Geogr. Address: Dept. of Geography, University of Minnesota, Minneapolis, Minn. 55455.*
- HART, JOHN N. Economics. See A-K Vol, 11th ed, Soc. & Behav. Vols. Change of address: 155 Hudson St, Hudson, Ohio 44236.
- HART, DR. JOSEPH TATE, b. South Pittsburgh, Tenn, May 5, 30; m. 53; c. 6. INTERNATIONAL RELATIONS, POLITICAL SCIENCE. B.A. Emory & Henry Col, 51; M.A., Duke, 53; Ph.D.(int. rels), American Univ, 67. Staff officer, security eval. bd, Nat. Security Agency, U.S. Govt, D.C. 56-60; mem. prinl. staff, strategic studies group, Opers. Res. Off, Hopkins Univ, 60-61; strategic studies div, RES. ANAL. CORP. 61-63, study chmn, 63-64, proj. dir. Latin Am. & African studies, 64-69, PROJ. DIR. INT. POLICY STUDIES, 69-. Intel. C. U.S.A. 53-56. Polit. Sci. Assn; Soc. Int. Develop; Nat. Planning Assn, World Future, etc. Projection of international trends; analysis of strategic policy problems; simulation of international relations; United States policy in the developing regions; implications of advancing technology in international affairs. Publ: Co-auth, Strategic analysis of Latin America, 1965-1975, 7/66, Strategic analysis of tropical Africa, 1967-1977, 7/68 & U.S. strategic interests in Latin American countries, 2/69, Res. Anal. Corp. Address: 1120 Balls Hill Rd, McLean, Va. 22101.
- HARTBAUER, DR. ROY ELDEN, b. Grand Forks, N.Dak, Apr. 20, 24; m. 48; c. 3. AUDIOLOGY, SPEECH PATHOLOGY. B.Th, Walla Walla Col, 50; M.A., Southern California, 61; Ph.D.(speech), Mich. State, 67. Prin, Bellingham Jr. Acad, Wash, 50-52; Brookside Jr. Acad, Yakima, 52-54; San Francisco Jr. Acad, Calif, 54-57; audiologist, Loma Linda, 58-62; chmn. dept. speech, Atlantic Union Col, 62-64; prof. speech, chmn. dept. & dir. speech & hearing clin, Walla Walla Col, 64-70; ASSOC. PROF. SPEECH PATH. & AUDIOL, WEST. WASH. STATE COL, 70-. Dir. audiol. clin, White Mem. Med. Center, Los Angeles, 58-62; vis. prof. & speech path. consult, Wash. State Penitentiary, 64; adj. prof, Andrews, 69-70; Consult, Los Angeles Co. Hosp, Ear, Nose & Throat Clin, 59-62; White Mem. Hosp. Central Palsy Clin, 60-62; Bay State Cos. Crippled & Handicapped, Mass, 62-63; County Dept. Ed, 67-; speech pathologist, Berrien Co. Intermediate Sch. Dist, Mich, 68-70; dir. dept. speech & hearing ther. Mem. Hosp. St. Joseph, Mich. U.S.A. 44-46, 5/Sgt. Speech & Hearing Assn; Speech Assn. Am. Perception of duration of sound by hearing handicapped persons; vocational rehabilitation of hearing handicapped; theo-therapy for the speech handicapped. Publ: An introduction to your child who has hearing impairment, Loma Linda Univ, 67; I kneeled to pray, College Press, 67; The challenge of special education, J. Adventist Ed, 5/68. Address: Dept. of Speech Pathology & Audiology, Western Washington State College, Bellingham, Wash. 98225.
- HARTER, DR. CARL LEROY, b. Bern, Kans, Apr. 15, 36; m. 61; c. 1. SOCIOLOGY. B.A. Kans. State Teachers Col, 58, M.S., 59; Cornell, 60-61; Soc. Sci. Res. Coun. fel, Tulane, 64-65, Ph.D.(sociol), 66. Instr. sociol. & asst. dir. admissions, Kans. State Teachers Col, 59-60; asst. & acad. dir, Inst. Mex.-Am. Cult. Rels, Mex, 62-62; instr. SOCIOLOG, TULANE, 65-66, asst. prof, 66-68, ASSOC. PROF. SOCIOLOG. & EXEC. DIR. URBAN STUD. CENTER, 68-. res. assoc. prof. urban unit, 65-66, dir. center pop. & family studies, 66-68. Milbank Mem. Fund faculty fel, 67-71. Consult, Pop. Coun. Abortion Study Group, 66; Orleans Parish Sch. Bd, 67-68; Interracial Coun. Bus. opportunity, New Orleans, 68-; New Orleans City Planning Cmn, 69-; summer, Comite Univ. Invest. on Pop. Valle, Columbia, 66. U.S.A.R., 55-63. Sociol. Assn; Pop. Assn; Pub. Health Assn; Nat. Coun. Family Rels. Social demography and family planning; sociology of the family; urban sociology. Publ: The power roles of intellectuals: an introductory statement, *Sociol. & Soc. Res.*, 1/64; co-auth, A survey concerning induced abortions in New Orleans, *Am. J. Pub. Health*, 11/67; auth, Male fertility in New Orleans, *Demography*, Vol. 5, No. 1. Address: Urban Studies Center, Tulane University, New Orleans, La. 70118.
- HARTER, DR. WALTER G, b. Canton, Ohio, Mar. 29, 23; m. 49; c. 2. AGRICULTURAL ECONOMICS. B.S. Ohio State, 48, M.S., 54, Ph.D.(agr. econ), 67. County agent, Ohio State, 55-63, exten. economist, 63-68; HEAD EXTEN. FARM MGT. DEPT, GEORGIA, 68-. Consult, Off. Econ. Opportunity, 69- U.S.A.F. 43-46, 1st Lt. Agr. Econ. Assn. Determination of the cost of producing milk; analysis of the farm labor supply and demand. Address: Extension Farm Management Dept, University of Georgia, Athens, Ga. 30601.
- HARTLEY, DR. DONALD LEE, b. Chicago, Ill, Aug. 15, 40; m. 65; c. 2. PSYCHOLOGY. B.S. Chicago, 62; M.A., Delaware, 65, Ph.D.(psychol), 68. Lectr. PSYCHOL, BUCKNELL, 66-68, ASST. PROF. 68-. Nat. Insts. Ment. Health res. grant, 68-69. Animal behavior and emotionality; psychopharmacology; behavioral modification techniques with mental retardates. Address: Dept. of Psychology, Bucknell University, Lewisburg, Pa. 17837.
- HARTLEY, DEAN EUGENE (LEONARD). Psychology. See A-K Vol, 11th ed, Soc. & Behav. Vols. Change of address: College of Community Sciences, University of Wisconsin-Green Bay, 120 S. University Circle Dr, Green Bay, Wis. 54305.
- HARTLEY, PROF. HAROLD V. JR, b. Lenoxville, Pa, Feb. 5, 31; m. 56; c. 3. SPEECH PATHOLOGY, AUDIOLOGY. B.S. Bloomington State Col, 52; M.Ed., Pa. State, 58. Clinician speech & hearing, Mercer County Crippled Children's Soc, Pa. 54-55; supvr. pub. schs, Sharon, Pa, 55-62; audiologist, Pa. State, 62-63; ASSOC. PROF. & COORDINATOR SPEECH PATH. & AUDIOL, CLARION STATE COL, 63-. Lectr. Pa. State, 58-67. Consult, Jefferson & Clarion Counties Pres. Prog. Off. Econ. Opportunity, 69- U.S.A. 54-54. Speech & Hearing Assn; Asn. Study Ed. Audiology; stuttering; language diagnosis. Publ: Sudden onset of hearing loss—another case, J. Speech & Hearing, 64; Relationship between Bekeyes fixed frequency and conventional audiometry with children, *J. Audiol. Res.*; Errors made by student clinicians during articulation, *J. Pa. Speech & Hearing Assn.* Address: Speech & Hearing Clinic, Clarion State College, Clarion, Pa. 16214.
- HARTLEY, DR. JOSEPH ROBERT. Business Administration & Economics. See A-K Vol, 11th ed, Soc. & Behav. Vols. New position: V.pres. & deas. acad. affairs, 69-, Indiana University, 135 Bryan Hall, Bloomington, Ind. 47401.
- HARTLEY, PROF. R(UTH) (EDITH). Psychology. See A-K Vol, 11th ed, Soc. & Behav. Vols. New information: Also chmn. dept. growth & develop, 68-, College of Human Biology, University of Wisconsin-Green Bay, Main Campus, Green Bay, Wis. 54301.
- HARTLEY, DR. WYNONA SMUTZ. Sociology, Social Psychology. See A-K Vol, 11th ed, Soc. & Behav. Vols. Change of address: 1404 N. 81st St, Kansas City, Kans. 66112.
- HARTMAN, PROF. BERNARD-THOMAS, b. Manhattan, N.Y., Aug. 26, 23; m. 58; c. 3. SPEECH & HEARING PATHOLOGY. B.A. Denver, 49, M.A., 51; Fulbright study award, Oslo, 57-58; Ph.D., Indiana, 62. Supvr. spec. therapies, North. Wis. Colony & Training Sch, Wis, 53-57; dir. speech & hearing dept, Muscatatuck State Hosp, Ind, 58-62; adminstr. speech & hearing dept, New Castle State Hosp, Ind, 62-67; PROF. SPEECH PATH. & DIR. SPEECH & HEARING DEPT, STEPHEN F. AUSTIN STATE, 67-. U.S.A. 43-46, Sgt. Speech & Hearing Assn; Asn. Ment. Deficiency; Int. Coun. Except. Children. Speech pathology and its relationship to behavioral disciplines and to neuro-pathologic disorders; special education. Publ: Co-auth, Auditory differentiation in dysphasias, J. Speech & Hearing Disorders, 6/56; auth, Therapeutic value of hearing aids for institutionalized mentally retarded, *Am. J. on Ment. Deficiency*, 3/58; co-auth, The use of a black light apparatus to reduce attention scatter in brain-injured children, *J. Learning Disabilities*, 8/69. Address: Dept. of Speech, Stephen F. Austin State University, Nacogdoches, Tex. 75962.
- HARTMAN, DR. JOHN J(ACOB). Sociology. See A-K Vol, 11th ed, Soc. & Behav. Vols. New position & address: Prof. & head, 68-, Dept. of Sociology, Wichita State University, Wichita, Kans. 67208.
- HARTMAN, PROF. ROBERT S. Philosophy, Axiology. See 5th ed, Dir. Am. Scholars, Vol. IV, Philos. Relig. & Law.
- HARTMANN, DR. ERNEST LOUIS. Psychiatry. See A-K Vol, 11th ed, Soc. & Behav. Vols. New position: Assoc. prof. psychiat, sch. med, Tufts, 69-. New publ. Ed. Sleep & dreaming, Little, 70. Address: Boston State Hospital, 591 Morton St, Boston, Mass. 02124.
- HARTMANN, SISTER MARY ANDREW, b. New Hamburg, Ont, May 4, 11. EDUCATIONAL PSYCHOLOGY. B.A., Toronto, 33; M.Ed., Ottawa (Ont), 57, Ph.D. (psychol. ed), 61. Lectr. psychol. OTTAWA (ONT), 56-64, ASSOC. PROF. RELIG. STUDIES, 64-, univ. grant, Louvain, 67-69. Psychology of religion. Publ: Love and loneliness, Emmanuel, 5/70. Address: 211 Bronson Ave, Ottawa, Ont, Can.
- HARTMANS, DR. E(RMOND) H(ENRI), b. Margraten, Holland, Nov. 11, 20; U.S. citizen; m. 48; c. 3. AGRONOMY, AGRICULTURAL ECONOMICS. M.S., Wageningen, 47; Ph.D.(agr. econ), Mich. State, 50. Researcher, Agr. Econ. Res. Inst. The Hague, Holland, 50-51; chief agr. econ. state exten. Serv. Holland, 51-53; asst. prof. ext. econ. Minnesota, 53-57; assoc. prof, 57-59; tech. officer, Rural Inst. Div. Food & Agr. Orgn. UN, Rome, 59-60, tech. asst. head agr. dept, 60-62, proj. mgr. agr. res. inst. UN develop. prog. spec. fund proj, Cyprus, 62-65, chief, Near East, N.Africa & European region, prog. develop. world food prog, Rome, 65-68, spec. asst. to dir-gen, FOOD & AGR. ORGN. UN, ROME, 68-69, DIR. AGS SERV. DIV, 69-. Farm management; agricultural engineering; food and agricultural industries. Address: Viale S.S. Pietro e Paolo 44, Rome, Italy.
- HARTNETT, DR. JOHN J, b. Brooklyn, N.Y., June 20, 36; m. 62; c. 2. PSYCHOLOGY. B.A. Vermont, 62; M.S. N.C. State, 65; Ph.D.(psychol), Wayne State, 68. ASST. PROF. INDUST. PSYCHOL, VA. COMMONWEALTH UNIV, 68-. U.S.A.F. 54-58. Group risk taking; personal space; identity formation and change. Address: Dept. of Psychology, Academic Center, Virginia Commonwealth University, Richmond, Va. 23220.
- HARTOCOLLIS, DR. PETER. Psychology, Psychiatry. See A-K Vol, 11th ed, Soc. & Behav. Vols. New position: Dir. res. C.F. Menninger Mem. Hosp, 69-. Address: Menninger Foundation, Topeka, Kans. 66601.
- HARTSTEIN, DR. JACOB I. Educational Psychology. See A-K Vol, 11th ed, Soc. & Behav. Vols. New position: Univ. prof, City Univ. N.Y., 69-. Address: 11-25 Virginia St, Far Rockaway, N.Y. 11691.
- HARTZO, PROF. S(OLLY) (ALBERT). Political Science. See A-K Vol, 11th ed, Soc. & Behav. Vols. New information: Assoc. prof. polit. sci. & spec. serv, Carthage Col, 67-. Address: Dept. of Government, Lake Forest College, Lake Forest, Ill. 60044.
- HARVEY, DR. MICHAEL JOSEPH. Vertebrate Ethology. See Suppl. V to 11th ed, Phys. & Biol. Vols.
- HARVEY, DR. RICHARD B. Political Science. See A-K Vol, 11th ed, Soc. & Behav. Vols. New position: Prof, 70-, Dept. of Political Science, Whittier College, Whittier, Calif. 90608.
- HARVEY, DEAN WILLIAM BURNETT. Law. See 5th ed, Dir. Am. Scholars, Vol. IV, Philos. Relig. & Law.
- HARWARD, PROF. NAOMI MARKEE. Sociology. See A-K Vol, 11th ed, Soc. & Behav. Vols. New information: Also acting dir, 69-, Dept. of Sociology, Division of Undergraduate Social Welfare, Arizona State University, Tempe, Ariz. 85281.

- HARWITZ, DR. MITCHELL.** Economics. See A-K Vol. 11th ed, Soc. & Behav. Vols. New position: Vis. prof. 69-, Dept. of Economics, University College Nairobi, P.O. Box 30197, Nairobi, Kenya.
- HARWOOD, DR. ALAN.** b. Tarrytown, N.Y., Mar. 20, 35; m. 67. **ANTHROPOLOGY.** A.B. Harvard Col. 57; Soc. Sci. Res. Coun. fel, London Sch. Econ. 57-58; M.A., Michigan, 60; Ph.D. (anthrop.), Columbia, 67. Vis. asst. prof. anthropol. Brown, 65-66; ASSOC. RES. SCIENTIST, N.Y. UNIV. 67. Carnegie Corp. grant, 68-70. Anthropol. Asn. Ethnol. Soc. Social anthropology and urban anthropology. Publ: Witchers, sorcery and social categories among the Safwa of Tanzania, Oxford Univ. 70; Beer drinking and famine in a Safwa village: a case of adaptation in a time of crisis, Proc. E.Afr. Inst. Soc. Res. 64. Address: Dept. of Anthropology, New York University, New York, N.Y. 10003.
- HASBARGEN, DR. PAUL R.** b. Menasha, Minn., Aug. 5, 29; m. 56; c. 2. **AGRICULTURAL ECONOMICS.** B.S., Minnesota, 52; M.S., 56; Ph.D. (agr. econ), Mich. State, 67. Instr., Graceville High Sch. 52-53; res. assoc. agr. econ, Minnesota, 55-56; asst. county exten. agent, Clay County, Minn., 56-57; **EXTEN. ECONOMIST, MINNESOTA, ST. PAUL, 57- U.S.A. 53-54.** Agr. Econ. Asn. Farm management and agricultural prices. Publ: Co-auth., The competitive position of cattle feeding in the northern corn belt, Mich. State Univ. 68 & Economic comparisons of hay harvesting, storing and feeding systems for beef cow herds, Inst. Agr. Univ. Minnesota, 69. Address: Dept. of Agricultural Economics, University of Minnesota, St. Paul, Minn. 55101.
- HASSEMAN, PROF. WILBER (CARY).** Accounting. See A-K Vol. 11th ed, Soc. & Behav. Vols. New information: Also assoc. dean, Missouri-Columbia, 69- Address: 813 Greenwood Court, Columbia, Mo. 65201.
- HASKELL, EDWARD F. (RÖHLICH).** Scientific Synthesis. See Suppl. V to 11th ed, Phys. & Biol. Vols.
- HASKINS, PROF. EDWARD COOPER.** Geography, Anthropology. See 11th ed, Soc. & Behav. Vols., deceased 69.
- HASLEM, DR. JOHN ARTHUR.** Business Administration, Finance. See A-K Vol. 11th ed, Soc. & Behav. Vols. New position & address: Assoc. prof. finance, 69-, College of Business & Public Administration, University of Maryland, College Park, MD. 20742.
- HASS, DR. WILBUR A.** Psychology, Psycholinguistics. See A-K Vol. 11th ed, Soc. & Behav. Vols. New position & address: Faculty mem, 69-, Shimer College, Mt. Carroll, Ill. 61053.
- HASSELL, EDWARD (WARREN).** Economics. See A-K Vol. 11th ed, Soc. & Behav. Vols. New information: Independent econ. consult, 70- Address: 3250 N.E. 28th St. Ft. Lauderdale, Fla. 33308.
- HASSOL, PROF. LEONARD.** b. New York, N.Y., Feb. 11, 24; m. 53; c. 5. **COMMUNITY PSYCHOLOGY.** B.A., Brooklyn Col. 47; Ph.D. (psychol), Boston, 62. Psychologist, S. Shore Ment. Health Center, 57-60, chief community consultation serv. 62-67; res. assoc. sch. pub. health, Harvard, 60-62; assoc. prof. COMMUNITY PSYCHOL., Pa. State, 67-69; PROF. WHEATON COL., 69- Training consult. Off. Ment. Health, Pa. 67-; Social Dynamics, Inc. 69-; res. consult, Nat. Training Lab. 69- U.S.N. 43-46. Fel. Psychol. Asn. Personality theory; child psychology; abnormal psychology; community mental health and psychology. Publ: Mental health consultation in a preventive context, In: The practice of community mental health, Little, 70; Adults and adolescents: an experiment in mutual education, In: Community psychology and mental health, Chandler, 70; Consultation of a national teacher corps program, Human Relations Training Vols., Vol. 13, No. 4. Address: 22 Ridge Ave., Newton Center, Mass. 02159.
- HASSOLD, DR. MILTON DAVID.** Philosophy. See 5th ed, Dir. Am. Scholars, Vol. IV, Philos., Relig. & Law.
- HASTINGS, ANDREW (DEWEY), JR.** Geography. See A-K Vol. 11th ed, Soc. & Behav. Vols. Change of address: 6 Lakewood Gardens, Natick, Mass. 01760.
- HASTINGS, PROF. GLEN R.** b. Frederick, Okla., Aug. 28, 22; m. 46; c. 3. **PSYCHOLOGY, EDUCATION.** B.A. Cent. State Col. (Okla.), 47; M.Ed., Oklahoma, 52, fel. 59-60, Ph.D. (ed. psychol), 62. Supt. Geronimo Pub. Schs., Okla. 50-56; instr. instructional res., U.S. Army Artillery & Missile Sch., 56-58, chief ed. serv. sect. 58-59; asst. prof. ed. psychol., Northern Iowa, 60-63; supt. Chickasha Pub. Schs., Okla. 63-66; assoc. prof. Ed. PSYCHOL., NORTHERN IOWA, 66-69, PROF. 69-, univ. grant, 66-67. Participant, programmed instr. inst., Univ. Chicago, 63; Minn. Mining & Mfg. Co. res. grant, 64. U.S.A. 47-44; U.S.A.R. 46-; Lt. Col. Nat. Soc. Study Ed. Ed. Res. Asn. Nat. Coun. Measurement Ed. Relationship between behavioral objectives and accuracy of measurement of learning using classroom teacher developed measuring instruments, techniques for the objective evaluation of classroom teaching competencies. Publ: Programmed statistics for teachers, Univ. North. Iowa, 62; co-auth., Guidelines for developing classroom tests, Minn. Mining & Mfg. Co. 70; auth., Educating Iowa school business managers, Midland Schs. 67. Address: Dept. of Psychology, University of Northern Iowa, Cedar Falls, Iowa 50613.
- HASTORF, DEAN ALBERT (HERMAN).** Psychology. See A-K Vol. 11th ed, Soc. & Behav. Vols. New information: Also dean humanities & sci., Stanford, 70- Address: 571 Foothill Rd., Stanford, Calif. 94305.
- HASTY, LT. COL. GERALD (RICHARD).** U.S.A. Political Science, Business Management. See A-K Vol. 11th ed, Soc. & Behav. Vols. New position: Exec. asst. joint logistics rev. bd., Off. Secy. Defense, 69- Address: 8316 Wagonwheel Rd., Alexandria, Va. 22309.
- HATCH, DR. CARL EUGENE.** Recent American History. See 5th ed, Dir. Am. Scholars, Vol. I, Hist.
- HATCH, PROF. DAVID (LINCOLN).** Sociology. See A-K Vol. 11th ed, Soc. & Behav. Vols. New information: Also chmn, 69-, Dept. of Anthropology & Sociology, University of South Carolina, Columbia, S.C. 29208.
- HATCH, DR. EVELYN.** b. Cedar Falls, Iowa, Dec. 5, 30; div. c. 2. **LINGUISTICS, EDUCATION.** Ford Found. fel., California, Los Angeles, 66, M.A., 67, Ph.D. (ed. ling), 69. Instr. Eng. American Univ. Cairo, 63-65; Mt. St. Mary's Col. 65-67; assoc. res. design, Southwest Regional Lab. 67-69; ASST. PROF. ENG. CALIFORNIA, LOS ANGELES, 69- Teacher trainer, Nigerian & Ethiopian Progs. Peace Corps 65. Consult, Southwest Regional Lab. 69- Ed. Res. Asn. Ling. Soc. Am. First and second language acquisition; effects of dialect on the acquisition of standard English and on reading skills. Publ: Co-auth., Five year old responses to coordinate sentences, auth., Four experimental studies in child language acquisition & Syntax of four reading programs, Southwest Regional Lab. 69. Address: Dept. of English, University of California, 405 Hilgard, Los Angeles, Calif. 90024.
- HATCHER, DR. EVELYN PAYNE.** b. Chicago, Ill., Jan. 12, 14; m. 35; c. 1. **ANTHROPOLOGY.** B.A., California, Los Angeles, 42; M.A., Chicago, 54; Ph.D. (anthrop.), Minnesota, 67. Instr. ANTHROP., Minnesota, 62-67; asst. prof. ST. CLOUD STATE COL. 67-69, ASSOC. PROF. 69- Fel. Anthropol. Asn; Soc. Appl. Anthropol. Ethnol. Soc. Visual art as a cultural phenomena; non-verbal communication; relation of graphic arts to other aspects of culture and society. Publ: Co-auth., Diet of a Tarascan village, Am. Indigena, 43; Manual for introductory anthropology, Burgess, 62 & rev. 67; auth., Navaho art: a methodological study in visual communication, Intermittent, 67. Address: Dept. of Sociology & Anthropology, St. Cloud State College, St. Cloud, Minn. 56301.
- HATFIELD, LT. COL. JIMMY L.** U.S.A. Biomed. See A-K Vol. 11th ed, Soc. & Behav. Vols. New position: Chief, biomed. stress res. div. 69-, U.S. Army Medical Research & Development Command, Washington, D.C. 20314.
- HATHAWAY, PROF. DALE E. (RNEST).** Agricultural Economics. See A-K Vol. 11th ed, Soc. & Behav. Vols. New information: Also chmn. dept. agr. econ, Mich. State, 69- Address: 345 Whitehills Dr., East Lansing, Mich. 48823.
- HATTERY, DR. ROBERT W. (WILBER).** International Relations. See A-K Vol. 11th ed, Soc. & Behav. Vols. New information: Also acting dir. West European Studies & adj. assoc. prof. polit. sci., Indiana, Bloomington, no longer asst. dean univ. exten. Address: Division of Continuing Education, Indiana University, 301 Owen Hall, Bloomington, Ind. 47401.
- HAU, DR. JONG-CHOL.** b. Korea, Aug. 15, 34; m. 65; c. 3. **ECONOMICS.** B.Ec, Seoul, 57; M.B.A. Xavier (Ohio), 60; Ph.D. (econ), St. Louis, 67. Asst. prof. ECON. Wis. State, Eau Claire, 67-69; ASSOC. PROF. MILLERSVILLE STATE COL., 69- Repub. of Korea Army, 57-58. Econ. Asn; Indust. Rel. Res. Asn; Asn. Comp. Econ. Social Security; labor economics; comparative economic systems. Address: 320 College Manor Dr., Millersville, Pa. 17551.
- HAUK, SISTER MARY URSULA, R.S.M.** b. Altoona, Pa., July 24, 10. **GEOGRAPHY.** A.B. Col. Misericordia, 47; M.A., Catholic Univ., 53; fel. Clark, 55-58, Ph.D. (geog.), 58. Teacher, St. Nicholas Sch., Pa. 30-37; St. Joseph Sch., 37-45; Cent. Cath. High Sch., 45-50; prin. St. Columba Sch., 50-51; instr. geog., Mt. Aloysius Jr. Col., 51-59, registr. 52-55; coordinating ed. elem. textbooks, Allyn & Bacon Inc. 59-62; chmn. dept. soc. sci. MT. ALOYSIUS JR. COL., 62-66, PRES. 66- Summers, vis. instr. Catholic Univ., 54, Col. Misericordia, 55. U.S. del. to UNESCO Seminar, Montreal, Can. 50. Asn. Am. Geog.; Nat. Coun. Geog. Ed. Improvement and extension of geography teaching in schools and colleges; changing patterns of Catholic population in the United States. Publ: Geography gateways, Book 4 & co-ed., Geography gateways, Book 5, Allyn & Bacon, 67; auth., Geography in today's world, Cath. Sch. J. Address: Mt. Aloysius Junior College, Cresson, Pa. 16630.
- HAUPERT, DR. JOHN S.** Geography. See A-K Vol. 11th ed, Soc. & Behav. Vols. Change of address: Dept. of Geography, State University of New York at Buffalo, 4224 Ridge Lea Rd., Amherst, N.Y. 14226.
- HAUPTMANN, PROF. JERZY.** Political Science, Economics. See A-K Vol. 11th ed, Soc. & Behav. Vols. Change of address: 4171-B.S. Four Mile Run Dr., Arlington, Va. 22204.
- HAURI, DR. PETER.** Clinical Psychology. See Suppl. VI to 11th ed, Phys. & Biol. Vols.
- HAUSKNECHT, PROF. MURRAY.** Sociology. See A-K Vol. 11th ed, Soc. & Behav. Vols. New position: Prof., Lehman Col., 70- Address: 33-60 21st St., Long Island City, N.Y. 11106.
- HAUSMAN, DR. HOWARD (JAY).** Psychology. See A-K Vol. 11th ed, Soc. & Behav. Vols. New position: Sr. staff assoc., 69-, Pre-College Education in Science, National Science Foundation, 1800 G St. N.W., Washington, D.C. 20550.
- HAUSMAN, DR. LEONARD JOEL.** b. Brooklyn, N.Y., Jan. 27, 42; m. 67. **ECONOMICS.** B.A., Queens Col. (N.Y.), 63; M.A., Wisconsin, 66, Ph.D. (econ), 67. ASST. PROF. econ. N.C. State, 67-69; ECON. & SOC. POLICY, BRANDEIS, 70- Consult, Nat. Manpower Policy Task Force Assocs. 68- Econ. Asn; Indust. Rel. Asn. Income maintenance; manpower programs; urban economics. Publ: Potential for work among welfare parents, U.S. Dept. Labor, 69; From welfare rolls to payrolls? In: Public and private manpower policies, Indust. Rel. Res. Asn, 69; Potential for self-support among AFDC recipients, South. Econ. J., 7/69. Address: Dept. of Economics, Brandeis University, Waltham, Mass. 02154.
- HAUSMAN, DR. WILLIAM.** b. Brooklyn, N.Y., July 25, 25; m. 47; c. 4. **PSYCHIATRY.** Miami (Ohio), 43; M.D., Washington (St. Louis), 47. Chief med. res. proj. psychiat. U.S. Army Hosp., N.Y. 52-58; asst. chief, LeHerman Army Hosp., Calif., 58-62; chief welfare sci. res. br. U.S. Army Med. Res. & Develop. Command, D.C. 62-65; assoc. dir. div. neuropsychiat., Walter Reed

- Army Inst. Res. 65-66; ASSOC. PROF. PSYCHIAT. SCH. MED. HOPKINS, 66- Consult, Walter Reed Army Inst. Res. 66-; Soc. Security Admin. Baltimore, Md. 68-; Dir. Ment. Health, Baltimore Co, Md. 68-; U.S. Air Force Acad. 68- Mem. exec. cmt. cmt. on hearing & bioacoustics & cmt. on vision, Nat. Res. Coun. 62-65; mem. bd. dirs. Mt. Holyoke Clin. Process Conf. 67. Cert. psychiat. Am. Bd. Psychiat. & Neurol. 53. U.S.N.R. 42-47, Med.C. U.S.A. 49-66. Col. (Ret). AAAS: fel. Psychiat. Asn; Interam. Psychol. Asn; Pub. Health Asn. Personnel selection; group process; military psychiatry; social and preventive psychiatry; student mental health. Address: Dept. of Psychiatry, Johns Hopkins University School of Medicine, Baltimore, Md. 21205.
- HAUTALUOMA, DR. JACOB E. b. Chatham, Mich. June 28, 33; m. 56; c. 2. PSYCHOLOGY. B.A. Minnesota, Duluth, 55; Nat. Inst. Ment. Health feds, Colorado, 60-61, 63-64, M.A. & Ph.D. 67. Indust. engr. Am. Steel & Wire Div. U.S. Steel Co. 55-60; ASST. PROF. PSYCHOL. COLORADO STATE, 65- Field assessment officer, U.S. Peace Corps, summer, 67, 68 & 69. Consult. U.S. Forest Serv. 67-69. U.S.A.F.R. 64. AAAS: Psychol. Asn; Sociol. Asn. Social problem research and international development illnesses; community power arrangements; training evaluations. Publ: Syndromes, effects and outcomes of psychosis: a cluster analytic study, Univ. Colo. 67; co-auth. Organizational influence in Denver: structure and process, Rocky Mt. Soc. Sci. J. 10/70. Address: Dept. of Psychology, Colorado State University, Ft. Collins, Colo. 80521.
- HAVILLAND, DR. HENRY FIELD, JR. Political Science. See A-K Vol. 11th ed, Soc. & Behav. Vols. New position: Dir. res, Fletcher Sch. Law, 69- Address: 106 Appleton St, Cambridge, Mass. 02138.
- HAVILLAND, DR. WILLIAM ARTHUR. Anthropology, Archaeology. See A-K Vol. 11th ed, Soc. & Behav. Vols. New position: Assoc. prof, 69-, University of Vermont, 31 S. Prospect St, Burlington, Vt. 05401.
- HAVILLAND, DR. WILLIAM E(DWARD). Economics. See A-K Vol. 11th ed, Soc. & Behav. Vols. New position & address: Economist, 68-, Economic Council of Canada, Box 527 Ottawa, Ont, Can.
- HAVRILESKY, DR. THOMAS (MICHAEL), b. Johnstown, Pa. Mar. 18, 39; ECONOMICS. B.S. Pennsylvania State, 60, M.A. 63; univ. fel. Illinois, 65, Fed. Res. Bank Chicago fel. & Ph.D.(econ), 66. Asst. prof. ECON, Maryland, 66-69; ASSOC. PROF, DUKE, 69- Res. grant, Maryland, summer 68; Duke, 69-70; vis. assoc. prof, Rice, 70-71. Financial consult, City of Baltimore, 67-68; consult, Sterling Inst. D.C. 68-69. Econ. Asn; Finance Asn; Asn. Evolutionary Econ. Optimal monetary policy targets; share stability studies in the cigarette industry; economics of crime & pollution; experiments in teaching methods in economics; monetary history. Publ: Co-auth. The supply of and demand for money in macroeconomic theory, Allyn & Bacon, 71; auth. A test of monetary policy action, J. Polit. Econ. 6/67; co-auth. Tests for market share stability in the cigarette industry, J. Indust. Econ. 4/69. Address: Dept. of Economics, Duke University, Durham, N.C. 27706.
- HAYRON, DR. MILTON D(EAN), b. Wartrace, Tenn. Apr. 23, 16; m. 42; c. 2. PSYCHOLOGY. B.A. Vanderbilt, 39; Ph.D. Maryland, 50. Prof. dir. Inst. Res. Human Rel. 50-52; res. dir. Psychol. Res. Assoc. 52-57; PRES. HUMAN SCI. RES. INC, 57- U.S.N. 41-46. Psychol. Asn; Human Factors Soc. Small group studies; criterion research; cross-cultural studies. Publ: Evaluation of combat systems; establishment of criteria and their use in selection of key system factors; The role of psychological operations in naval missions; an appraisal and recommendations; Constabulary capabilities for low level conflict. Address: 6222 Edgewater Dr, Falls Church, Va. 22041.
- HAWES, PROF. HOMER HUGHES. History. See 5th ed, Dir. Am. Scholars, Vol. I, Hist.
- HAWES, DR. WILLIAM. Communications. See 5th ed, Dir. Am. Scholars, Vol. I, Hist.
- HAWK, DR. HUGH K(YLE). Economics. See A-K Vol. 11th ed, Soc. & Behav. Vols. New position: Comptroller, 69-, Defense Industrial Supply Center, 700 Robbins Ave, Philadelphia, Pa. 19111.
- HAWK, DR. SARA S(TINCHFIELD). Psychology. See 11th ed, Soc. & Behav. Vols, deceased.
- HAWKES, DR. MARY QUARLES. Sociology. See A-K Vol. 11th ed, Soc. & Behav. Vols. New position: Assoc. prof. social, Wheelock Col. 68- Address: 87 Carlton St, Brookline, Mass. 02146.
- HAWKINS, PROF. NORMAN G(LIBERT). Sociology. See A-K Vol. 11th ed, Soc. & Behav. Vols. New information: Consult, Choice, 67- Address: Dept. of Sociology, Slippery Rock State College, Slippery Rock, Pa. 16057.
- HAWKINS, DR. THOMAS WILLIAM, JR. Mathematics, History of Science. See Suppl. V to 11th ed, Phys. & Biol. Vols.
- HAWKINS, DR. WILLIAM ANDREW, b. New Orleans, La. Nov. 10, 21; m. 52; c. 4. PSYCHOLOGY. B.S. Loyola (La.), M.A. La. State, 51, Ph.D. 60; cert. alcoholism, Yale, 53. Chief psychologist male serv. Cn. La. State Hosp. 51-53; clin. psychologist & dir. Evangeline Area Guid. Center, 53-55; Lafayette Ment. Health Treatment Center, 55-57 & 60-61; psychol. consult, Dept. Hosp., State of La. 58-60, state chief psychologist, 61-62; asst. prof. PSYCHOL. SOUTHWESTERN LOUISIANA, 64-65; ASSOC. PROF. 65-, CHMN. DEPT. 69-, PSYCHOL. CONSULT. STATE DEPT. HOSPS. 62-, LA. STATE BD. HEALTH, 64- Med.C. U.S.M.C. 42-45. Publ: Co-auth. Long-term drug treatment of psychiatric out-patients, diseases of the nervous system. Address: P.O. Box 3131, University of Southwestern Louisiana Station, Lafayette, La. 70501.
- HAWKINSON, PROF. JAMES R. Marketing. See A-K Vol. 11th ed, Soc. & Behav. Vols. Change of address: Graduate School of Management, Northwestern University, Evanston, Ill. 60201.
- HAWLEY, DEAN CLAUDE E(DWARD). Political Science. See A-K Vol. 11th ed, Soc. & Behav. Vols. New position: Dean col, John Jay Col, City Univ. N.Y. 69- Address: 5 Tudor City Place, New York, N.Y. 10017.
- HAWLEY, DR. JONATHAN P. b. Evanston, Ill. Feb. 17, 38; m. 61; c. 2. POLITICAL SCIENCE. B.A. Park Col. 61; M.A. Missouri-Columbia, 63, Ph.D. (polit. sci), 68. Asst. prof. POLIT. SCI. TULSA, 65-70; ASSOC. PROF. & HEAD DEPT. 70- Am. Polit. Sci. Asn. Congressional fel. 68-69; vis. asst. prof, Missouri-Columbia, summer 68. Polit. Sci. Asn; Acad. Polit. Sci. American government and politics; conservation politics. Address: Dept. of Political Science, University of Tulsa, Tulsa, Okla. 74104.
- HAY, PROF. KEITH ALEXANDER JAMES, b. Surbiton, Eng. Mar. 23, 38; Can. citizen; m. 61; c. 1. ECONOMICS. B.Sc. Southampton, 59; M.Sc. Toronto, 61; Brown, 62-65. Lectr. econ, Waterloo, 61-62; res. economist, Guelph, 61-62; asst. prof. ECON. CARLETON, 65-68; ASSOC. PROF. 68- Kiliam Found. fel. 69-71; summer, Can. Coun. fel. 66. Am. Econ. Asn; Econ. Asn; Royal Econ. Soc. Monetary theory and policy; monetary history; economic theory; hospital economics; Canadian-Japanese trade. Publ: Money and business cycles in Canada, J. Polit. Econ. 67; Early twentieth century business cycles in Canada, 68 & co-auth. Education and capital misallocation in a growing economy, 69, Can. J. Econ. Address: Dept. of Economics, Rideau River Campus, Carleton University, Ottawa 1, Ont, Can.
- HAY, PROF. PETER H(EINRICH). Law, Political Science. See 5th ed, Dir. Am. Scholars, Vol. IV, Philos. Relig. & Law.
- HAY, DR. RICHARD KIRKWOOD, b. Parsons, Kans. Mar. 8, 42; m. 68. ECONOMICS. B.A. Kans. State Col. Pittsburg, 63; Nat. Defense Ed. Act fel. & M.A. Kansas State, 64, Ph.D.(econ), 69. Instr. ECON, Mo. South. Col. 63-64; KANS. STATE COL. PITTSBURGH, 64-65, asst. prof. 66-68, ASSOC. PROF. 68- Consult, Kans. Dept. Econ. Develop. 66; Econ. Develop. Admin. U.S. Dept. Commerce & Mid-Am. Inc. 66-68. Econ. Asn. Revealed preference theory and related problems in utility measurement; the incorporation of structural considerations in models of regional economic growth. Address: 1206 Imperial Dr, Pittsburg, Kans. 66762.
- HAYAKAWA, PRES. SAMUEL ICHIEY. Linguistics. See A-K Vol. 11th ed, Soc. & Behav. Vols. New position: Pres, San Francisco State College, 68- Address: 225 Eldridge Ave, Mill Valley, Calif. 94941.
- HAYDEN, DR. BENJAMIN STEPHEN, III, b. Baltimore, Md. July 6, 37; m. 67; c. 1. PSYCHOLOGY. B.S. Loyola Col.(Md), 59; M.A. Fordham, 61, Ph.D. (psychol), 65. Instr. psychol, Fordham, summer 61; Baltimore Jr. Col. 63-64; asst. prof, West. Md. Col. 64-66; fel. clin. child psychol, ASTOR HOME FOR CHILDREN, 66-67, COORDINATOR PSYCHOL. RES. 67- Intern, Seton Psychiatric, 63-66. Psychol. consult, Rhinebeck Country Sch, 67; res. consult, bd. regents, N.Y. State, 67- Orthopsychiat. Asn; Psychol. Asn. Development of psychological techniques for diagnosing perceptual dysfunction in children; evaluation of residential treatment for emotionally disturbed children; evaluation of the usefulness of play materials in play psychotherapy. Publ: Some norms for the pronounceability of nonsense syllables, Psychol. Reports, 69; co-auth. A residential treatment center moves toward the community mental health model, Child Welfare, 12/69 & Diagnosing minimal brain damage in children, Merrill Palmer Quart. (in press). Address: Astor Home for Children, Rhinebeck, N.Y. 12572.
- HAYDEN, DR. ROBERT G(EORGE). Social Psychology. See A-K Vol. 11th ed, Soc. & Behav. Vols. New position: Dir. Wash. off. Kirschner Assoc., Inc. 69- Address: 7306 Willow Ave, Takoma Park, Md. 20012.
- HAYES, DR. EDWARD JOHN, b. River Rouge, Mich. Aug. 11, 22; m. 49; c. 7. EDUCATIONAL & CLINICAL PSYCHOLOGY. B.A. Eastern Michigan, 50, M.A. 57; Wayne State, 54-58; Ph.D.(ed. psychol), Mich. State, 67. Teacher, pub. schs, Mich. 54-59; sch. psychologist, St. Clair County Intermediate Sch. Dist. 59-65; dir. spec. ed, West St. Clair County Spec. Ed. Prog. 65-67; asst. prof. ed. psychol, Purdue, Ft. Wayne, 67-69; COORDINATOR RES. CLIN. PSYCHOL. & PSYCHIAT. TRAVERSE CITY STATE HOSP, 69- Instr. Macomb County Community Col. Mich. 66-67; sr. lectr. Mich. State, 70- Ed. psychol. consult, tri-county spec. ed. prog. Vera Cruz Sch. Dist. Ind. 68-69. Psychol. Asn; Coun. Except. Children; Asn. Ment. Deficiency. Address: 2128 Aspen Dr, Traverse City, Mich. 49884.
- HAYES, FREDERICK O'REILLY. Economics, Political Science. See A-K Vol. 11th ed, Soc. & Behav. Vols. Change of address: 4658 Grosvenor Ave, The Bronx, N.Y. 10471.
- HAYES, DR. LOUIS D(EAN), b. Durango, Colo. Dec. 12, m. 62; c. 2. POLITICAL SCIENCE. B.A. Colorado, 62; M.A. Arizona, 64, Ph.D.(govt), 66. ASST. PROF. POLIT. SCI. Wisconsin-Milwaukee, 66-68; MONTANA, 69, Fel, Fulbright Summer Inst. Indian Hist. & Polit. Insts, 68. Polit. Sci. Asn; Asn. Asian Studies. Methodology and research problems in international relations; American foreign policy, particularly recent security policies; government and politics of South Asia with emphasis on urban development. Publ: Co-auth. Conduct of political inquiry, Frontiers, Fall, 70; auth. The utility of the concept of power in the study of international relations, Soc. Sci. 6/68; Some problems of inquiry in international relations, Int. Rev. Hist. & Polit. Sci. 5/69. Address: Dept. of Political Science, University of Montana, Missoula, Mont. 59801.
- HAYES, DR. WILLIAM ALLEN, b. Chattanooga, Tenn. Apr. 13, 41; m. 64; c. 1. PSYCHOLOGY. B.A. Dillard, 63; M.A. Pisk, 64; Ph.D.(psychol), George Peabody Col. 69. Lectr. psychol, Fisk, 67-68, asst. prof. 68-69; ASST. PROF. PSYCHOL. DEPT. FAMILY & COMMUNITY HEALTH & SR. SOC. SCIENTIST & RES. COORDINATOR HEALTH SERV. RES. UNIT, MEHARRY MED. COL. 69- Asn. Ment. Deficiency; Pub. Health Asn. Programmed discrimination training for infants and mentally retarded children; preventive training programs for the culturally disadvantaged. Publ: Meditation versus pseudomeditation: an unresolved issue, 67 & Two methods of increasing response rate in free-operant avoidance conditioning, 68, Psychonomic Sci; co-auth. Facilitating the acquisition of discrimination learning set with insti-

- portation adv. coun. Wash. 64-65; res. assoc. to consult. to Boeing Aircraft Co. 65; consult. location studies, Northshore First Nat. Bank & res. asst. urban econ. base studies, Appl. Comput. Res. Corp. 66; asst. urban data sys. civil eng. & econ. geog. Washington (Seattle), 66-67; res. assoc. Off. Econ. Opportunity grant urban geog. 67-68, staff asst. v. pres. off. summer 68; ASSOC. PROF. URBAN & TRANSPORTATION GEOG. SAN DIEGO STATE COL. 68. Fel. Sys. Develop. Corp. Calif. summer 65. Asn. Am. Geog. Geog. Soc. Regional Sci. Asn. Spatial impact of new urban transportation systems: development of urban transportation; residential migration in urban areas. Publ: Systems of automated cartography: a review and proposal, Syst. Develop. Corp. 66; co-auth. Intra-urban residential mobility in Seattle as it relates to poverty areas, Off. Econ. Opportunity, Univ. Washington, 6/68; auth. Spatial variable affecting residency change, Pac. Coast Geogr. Yearbook, (in press). Address: Dept. of Geography, San Diego State College, San Diego, Calif. 92115.
- HEIM, DR. PEGGY. Economics. See A-K Vol. 11th ed. Soc. & Behav. Vols. New information: Dir. Planning Center, S.C. Private Colls. & dir. spec. proj. Wofford Coll. 69. Address: Wofford College, Spartanburg, S.C. 29301.
- HEIM, PROF. RALPH DANIEL. Christian Education. See 5th ed. Dir. of Am. Scholars, Vol. IV, Philos. Relig. & Law.
- HEIMAN, DR. NANETTE (MARIAN). Psychology. See A-K Vol. 11th ed. Soc. & Behav. Vols. Change of address: 932 Valjejo St. Apt. 6, San Francisco, Calif. 94133.
- HEIMANN, DR. ROBERT K. Sociology. See A-K Vol. 11th ed. Soc. & Behav. Vols. New position: Pres. 69-, American Brands, Inc. American Tobacco Co. 245 Park Ave. New York, N.Y. 10017.
- HEIMLICH, DR. FREDERICK J. Psychology. See A-K Vol. 11th ed. Soc. & Behav. Vols. New position & address: Coordinator adult-outpatient serv. 68-, Brevard County Mental Health Center, 1770 Cedar St. Rockledge, Fla. 32955.
- HEIMLICH, DR. JUDITH ANN. Political Science. See PARRISH, DR. JUDITH H. this Suppl.
- HEIN, DR. PETER L(EO). Psychiatry. See Suppl. VI to 11th ed. Phys. & Biol. Vols.
- HEINBERG, DR. JOHN DORSEY. Economics. See A-K Vol. 11th ed. Soc. & Behav. Vols. New position & address: Res. staff, 69-, Urban Institute, 2100 M. St. N.W. Washington, D.C. 20037.
- HEINBERG, DR. PAUL (JULIUS). Speech, Communications. See A-K Vol. 11th ed. Soc. & Behav. Vols. New position: Prof. 69-, Dept. of Speech, University of Hawaii, Honolulu, Hawaii 96822.
- HEINE, IRWIN MILLARD. Economics, Statistics. See A-K Vol. 11th ed. Soc. & Behav. Vols. New position: Chief planning res. Maritime Admin. 69-. Address: 4000 Massachusetts Ave. N.W. Washington, D.C. 20016.
- HEINLEIN, DR. ALBERT C. b. Erie, Pa. May 26, 24; m. 49; c. 2. BUSINESS ADMINISTRATION. B.S.Ch.E. Pa. State, 48; M.S.Ch.E. 49; M.B.A. Rutgers, 55; Ph.D.(econ). Western Reserve, 66. Chem. engr. Merck & Co. Inc. N.J. 49-52, cost analyst, 52-53, prod. coordinator, 53-56; instr. bus. admin. Gannon Coll. 56-57, asst. prof. 57-60; instr. indust. mgt. Western Reserve, 60-62; asst. prof. KENT STATE, 62-66, assoc. prof. 66-69, ASST. DEAN & DIR. GRAD. PROG. BUS. ADMIN. 69. U.S.N.R. 43-46. Ens. Inst. Mgt. Sci; Econ. Asn; Inst. Decision Sci; Acad. Mgt. Community industrial development, especially cost-benefit analysis of community efforts to attract new industry. Publ: Changes in manufacturing composition and spatial distances, Tri-County Regional Planning Cmn. 65; co-auth. Distillation in 2, 4 and 5-75 inch racked columns, Chem. Eng. Progress, 50; auth. Industrial base, In: Industrial development, Tri-County Regional Planning Cmn. 67. Address: Dept. of Business Administration, Kent State University, Kent, Ohio 44240.
- HEINRICH, DR. ALBERT. b. Columbia, Ill. Feb. 2, 22; m. 46; 57; c. 3. ANTHROPOLOGY, LINGUISTICS. B.A. New Sch. Soc. Res. 52; Ed. Alaska, 55; Ph.D.(anthrop). Washington (Seattle), 63. Govt. teacher, Alaska Native Serv. 44-48; instr. ed. & anthrop. Alaska, 55-57; teaching asst. anthrop. Washington (Seattle), 58-59, instr. exten. 59-60; anthrop. & ling. Montana State, 60-63, asst. prof. 63-64; anthrop. Calgary, 64-66, assoc. prof. anthrop. & admin. off. 66-68, vis. prof. anthrop. & ling. Karnatak Univ. India, 68-69; ASSOC. PROF. ANTHROPOLOGY, CALGARY, 69. Nat. Sci. Found. sci. faculty fel. 63-64; summer field work grants, Nat. Inst. Ment. Health, Hudson Bay Area, 60, Nat. Sci. Found. Beaufort Sea Area, 61 & Can. Coun. Andean, 66. AAAS; Ling. Soc. Am; Ethnol. Soc. Anthropol. Asn; Ling. Soc. India. Eskimo linguistics; Eskimo and Athabaskan social structure; kinship; linguistics, religion; Arctic, South America, India. Publ: Co-affinal siblingship as a structural feature among some northern North American peoples, Ethnology, 68. A short history of linguistic science, J. Karnatak Univ. 69; Some formal aspects of a kinship system, Current Anthropol. (in press). Address: Dept. of Archeology, University of Calgary, Calgary, Alta. Can.
- HEINRICHS, PROF. WALDO HUNTLEY, JR. Modern & American History. See 5th ed. Dir. Am. Scholars, Vol. I, Hist.
- HEINS, PROF. A. JAMES. Economics. See A-K Vol. 11th ed. Soc. & Behav. Vols. New position: Prof. 69-, Dept. of Economics, University of Illinois, Urbana, Ill. 61801.
- HEINSTEIN, DR. MARTIN (ISRAEL). Psychology. See A-K Vol. 11th ed. Soc. & Behav. Vols. Correction in address: 1704 Eola St. Berkeley, Calif. 94703.
- HEINZ, DR. ROBERT L. b. Washington, D.C. June 10, 42; m. 64; c. 1. STATISTICS. B.S. Colorado Col. 64; M.S. Colorado State, 66, Ph.D.(statist), 68. Res. asst. econ. Security First Nat. Bank, Los Angeles, Calif. summers 64 & 65; ASST. PROF. STATIST. COLORADO STATE, 68. Statist. Asn. Stochastic processes considering Stochastic models for surpluses and deficits. Address: 2422 14th Ave. Greeley, Colo. 80631.
- HEISE, DR. DAVID REUBEN. Sociology, Psychology. See A-K Vol. 11th ed. Soc. & Behav. Vols. New position & address: Assoc. prof. 69-, Dept. of Sociology, Queens College, Flushing, N.Y. 11367.
- HEISER, DR. (WILLARD) WAYNE, b. Alcester, S.Dak. July 29, 25; m. 55; c. 1. GEOGRAPHY. B.A. Nebraska, 50, M.A. 52; Ph.D.(geog). Northwestern, 65. Cartog. & compilation aide, U.S. Navy Hydrographic Off. 52-54; instr. geog. overseas prog. Maryland, 56-57; city planner, Dept. City Planning, Chicago, 57-58; asst. prof. geog. Portland State Col. 58-62; analyst, U.S. Govt. 62-68; ASSOC. PROF. GEOGRAPHY, STATE UNIV. N.Y. ALBANY, 68-70, U.S.N. 43-46. Asn. Am. Geog. Geographic aspects of the European coal and steel community; ethnic geography and iron and steel industry of eastern Europe. Address: Dept. of Geography, State University of New York at Albany, Albany, N.Y. 12203.
- HEITMANN, DR. GEORGE, b. New York, N.Y. Nov. 27, 33; m. 60; c. 3. ECONOMICS. A.B. Syracuse, 56; M.A. Princeton, 60, Ph.D.(econ), 63. ASSOC. PROF. QUANT. BUS. ANAL. PA. STATE, 58- Guest prof. Ruhr Univ. 70. Adv. Ministry Planning & Develop. Govt. of Libya, 64-66; consult. energy policy staff, Exec. Off. President, U.S. 67- Am. Econ. Asn; Inst. Mining, Metall. & Petrol. Eng. Royal Econ. Soc. Publ: The taxation of Middle East oil profits: a comment, Econ. J. 3/68; Soviet policy and the Middle East War, Survey, 10/68; Libya: an analysis of the oil economy, J. Mod. African Studies, Vol. 7, No. 2. Address: 217 Bouche, Pennsylvania State University, University Park, Pa. 16802.
- HEKIMIAN, DR. JAMES SUREN, b. Watertown, Mass. Sept. 21, 32; m. 57; c. 2. BUSINESS ADMINISTRATION. A.B. Harvard, 54, M.B.A. 56, D.B.A. 63. Res. assoc. mgt. planning, bus. sch. Harvard, 59-60, instr. bus. admin. 61-62; assoc. prof. mgt. Sloan Sch. Mgt. Mass. Inst. Tech. 62-67; DEAN COL. BUS. ADMIN. NORTHEASTERN, 67- U.S.A. 57-59, 1st Lt. Acad. Mgt; Mgt. Asn; Am. Asst. Asn; Financial Execs. Inst. Publ: Management control in life insurance branch offices, Div. Res. Harvard Bus. Sch. 65; co-auth. Operations cost control, Irwin, 67 & Put people on your balance sheet, Harvard Bus. Rev. 67. Address: College of Business Administration, Room 202, Hayden Hall, Northeastern University, Boston, Mass. 02115.
- HEKMAT, DR. HAMID MOAYED, b. Tehran, Iran. Aug. 27, 40; m. 69. PSYCHOLOGY. Ph.D.(psychol). Southern California, 68. ASST. PROF. PSYCHOL. WISCONSIN STATE-STEVENSON, 68- AAAS; Psychol. Asn. Behavior modification and therapy: personality determinant of conditioning; semantic desensitization of phobia; efficacy of psychotherapeutic techniques. Publ: Co-auth. Transfer of verbal conditioning to nonverbal behavior, Psychol. Reports, 67 & Some effects of various schedules of verbal reinforcement on self-reference responses, J. Psychol. 67; Behavior modification through covert semantic desensitization, J. Consult. & Clin. Psychol. Vol. 34, No. 5. Address: Dept. of Psychology, Wisconsin State University-Stevens Point, Stevens Point, Wis. 54481.
- HELBURN, PROF. NICHOLAS. Geography. See A-K Vol. 11th ed. Soc. & Behav. Vols. New position & address: Prof. 69-, Dept. of Geography, Western Michigan University, Kalamazoo, Mich. 49001.
- HELD, PROF. HANS (WALTHER), b. Pforzheim, Germany, July 20, 26; U.S. citizen; m. 44; c. 2. POLITICAL SCIENCE. Law, Heidelberg, 51; Union Col. 49-50; M.A. Columbia, 53. ASSOC. PROF. POLIT. SCI. JERSEY CITY STATE COL. 60. Polit. Sci. Asn; Acad. Polit. Sci. Inst. Studies Asn. Science policies and politics in the developed countries; impact of military strategy and doctrine on foreign policy decision-making. Address: 885 West End Ave. New York, N.Y. 10025.
- HELFANT, SEYMOUR, b. New York, N.Y. May 8, 16; m. 47; c. 4. MANAGEMENT, LAW. B.S. City Col. New York, 37; J.D. St. John's, 41; M.S. N.Y. Univ. 47. Owner, Del Fant Shoes, 39-57; v. pres. Nat. Retail Merchants Asn. 57-69; DIR. MGT. & PROMOTION SERV. INT. COUN. SHOPPING CENTERS, 69- Lectr. City Col. New York, 47- Brooklyn Col. 52-62; Hofstra, 62. Mem. adv. coun. Small Bus. Admin. 64-67. Marketing; distribution. Publ: Co-auth. Small stores planning for growth, Small Bus. Admin. 67; Management manual for independent stores & auth. Person to person selling, Nat. Retail Merchants Asn. 69. Address: 461 N. Long Beach Rd. Rockville Centre, N.Y. 11570.
- HELFGOTT, DR. ROY B. Economics, Industrial Relations. See A-K Vol. 11th ed. Soc. & Behav. Vols. New position: Prof. econ. & chmn. dept. orgn. & soc. sci. Newark Col. Eng. 68- Address: 305 E. 24th St. New York, N.Y. 10010.
- HELLER, DR. JOSEPH (RICHARD). Psychology. See A-K Vol. 11th ed. Soc. & Behav. Vols. New position: Assoc. prof. psychol. Sacramento State Col. Address: 3111 Edison Ave. Sacramento, Calif. 95821.
- HELLER, DR. PETER (BRUNO), b. Paris, France, Aug. 20, 26; U.S. citizen; m. 58. POLITICAL SCIENCE. B.A. Wash. Sq. Col. N.Y. Univ. 58; M.A. N.Y. Univ. 60, Ph.D.(govt. area studies), 63. Asst. ed. Pitman Pub. Corp. 56-58, assoc. ed. 58-63; instr. GOVT. MANHATTAN COL. 63-66, ASST. PROF. 66- Consult. Sys. Jour. Int. Bus. Mach. Corp. 63; Inter-Univ. Assocs. 69-70. Polit. Sci. Asn. Middle Eastern political and economic development. Publ: Egypt: a demographic view, Scope, 12/64 & co-auth. various articles on Egypt, In: Concise encyclopedia of the Middle East, Pub. Affairs, 70. Address: 22 Irving Place, New York, N.Y. 10003.
- HELLWELL, PROF. JOHN F. b. Vancouver, B.C. Aug. 15, 37; m. 69. ECONOMICS. B.Com. British Columbia, 59; B.A. Oxford, 61, D.Phil.(econ), 66. Res. staff, Royal Cmn. Banking & Finance, 62-63; Royal Cmn. Taxation, 63-64; lectr. ECON. St. Peter's Col. Oxford, 64-65, res. fel. Nuffield Col. 65-67; assoc. prof. BRITISH COLUMBIA, 67-70, ASSOC. PROF. 70- Economist consult.

- res. dept. Bank of Can. 65- Am. Econ. Asn; Economet. Soc; Can. Econ. Asn; Royal Econ. Soc. Construction, simulation and international linkage of national econometric models: quantitative analysis of monetary and fiscal policies. Publ: Public policies and private investment, Clarendon, Oxford, 68; A structural model of the foreign exchange market, Can. J. Econ. 2/69; co-auth. Economic analysis of policy choices for an open economy, Rev. Econ. & Statist. 11/69. Address: Dept. of Economics, University of British Columbia, Vancouver 8, B.C., Can.
- HELLMAN, DR. LOUIS P(HILIP). Biostatistics. See A-K Vol. 11th ed. Soc. & Behav. Vols. Change of address: Regional Medical Program, University of Maryland, 550 N. Broadway, Room 208, Baltimore, Md. 21205.
- HELLMAN, DR. RICHARD. Economics. See A-K Vol. 11th ed. Soc. & Behav. Vols. New publ: Crime against small business, Senate Document, 91-14, 69. Address: 6505 Waterway Dr, Falls Church, Va. 22044.
- HELM, DR. HIRAM MONROE, JR. b. Decatur, Tex. Feb. 4, 20; m. 49; c. 2. BUSINESS ADMINISTRATION, ECONOMICS. B.A. Texas, Austin, 41, fel. 65-66; Ph.D.(bus. admin). 68; fel. North Texas State, 61-62; M.B.A., 62. Dist. mgr. Dodge Div. Chrysler Corp. 53-57; sales mgr. Holley Motor Co., Tyler, Tex. 57-58; self-employed, 58-61; lectr. money & banking, Texas, Austin, 63-65; ASST. PROF. FINANCE, TEXAS, ARLINGTON, 66- U.S.A.F. 61-42; U.S.N.R. 42-58, Lt. Common stock prices; stock market analytical procedures, their theoretical foundations and forecasting properties. Address: 138 Varsity Circle, Arlington, Tex. 76010.
- HELMERS, DR. HENRIK OLAF, b. Sauda i Ryfylke, Norway, Dec. 1, 22; U.S. citizen; m. 51; c. 4. BUSINESS ADMINISTRATION, MARKETING. B.S.M.E. Va. Polytech, 47; M.B.A. Harvard, 49; Gen. Elec. fel. Michigan, 64, 65, Nat. Asn. Purchasing Agents fel. 66, Ph.D.(bus. 67). Res. assoc. bur. bus. res. Univ. Michigan, 63-65; asst. dir. 65-69; asst. prof. bus. admin. 67-69, lectr. mkt. 66-67; ASST. PROF. BUS. QUANT. (GMT), 69; Eng. C. U.S.A. 44-46. Canada-United States trade and industrial integration; industrial supply function; marketing function. Publ: The U.S.-Canadian automobile agreement: a study in industry adjustment, Inst. Int. Commerce, Univ. Mich, 67; co-auth. State economic development: status and appraisal, Bur. Bus. Res. Univ. Mich, 67 & Explorations into trade liberalization: the case of the U.S.-Canadian auto aftereffects, Gage, Ltd. Toronto, 70. Address: School of Business, Queen's University, Kingston, Ont. Can.
- HELMREICH, DR. ROBERT L(OUIS). Social Psychology. See A-K Vol. 11th ed. Soc. & Behav. Vols. New position: Assoc. prof. 69-, Dept. of Psychology, University of Texas, Austin, Tex. 78712.
- HELMS, DR. ANDREA ROSE CARROLL, b. Alamosa, Colo. May 25, 40; m. 58; c. 1. POLITICAL SCIENCE. B.A. Connecticut, 65, M.A. 66, Ph.D.(polit. sci). 68. Lectr. POLIT. SCI. Connecticut, summer 67; ASST. PROF., Moorhead State Col. 68-70; CENTRAL MICHIGAN UNIV. 70- Political development in modern societies; value theory; computer techniques. Address: Dept. of Political Science, Central Michigan University, Mt. Pleasant, Mich. 48858.
- HELMS, DR. MARY W(ALLACE), b. Allentown, Pa. Apr. 15, 38; m. 68. ANTHROPOLOGY, ETHNOHISTORY. B.A. Pa. State, 60; M.A., Michigan, 62, Ph.D.(anthrop). 67. Instr. ANTHROP. Wayne State, 65-67; asst. prof. Syracuse, 67-68; LECTR. NORTHWESTERN, CHICAGO, 69- AAAS: fel. Anthrop. Asn; Soc. Ethnologist. Cultural anthropology, especially peasant studies, culture change and cultural ecology; field work in Nicaragua; area interest in Middle America. Publ: Asang, Univ. Florida, (in press); The cultural ecology of a colonial tribe, Ethnology, Vol. 8: 76-84; The purchase society, Anthropol. Quart., 69. Address: Dept. of Anthropology, Chicago Campus, Northwestern University, Chicago, Ill. 60615.
- HELPER, DR. MALCOLM M(ORRIS). Psychology. See A-K Vol. 11th ed. Soc. & Behav. Vols. New position: Assoc. prof. psychol. & pediat., Ohio State, 68- Address: Children's Hospital, 520 S. 17th St., Columbus, Ohio 43205.
- HELZNER, MANUEL L(OUIS). Economics. See A-K Vol. 11th ed. Soc. & Behav. Vols. New position: Acting dir. center for econ. projections, Nat. Planning Assn, 69- Address: 1817 Franwall Ave, Silver Spring, Md. 20902.
- HEMLEBEN, PROF. SYLVESTER JOHN, b. La Crosse, Wis. Feb. 25, 02. POLITICAL SCIENCE. A.B. State Univ. Iowa, 27, A.M. 28; Columbia, 28-30; Cambridge, 29; Ph.D. Fordham, 31; Harvard, 35; Munich, 36; LL.B. Mississippi, 63, J.D. 68. Assoc. prof. hist. & soc. studies & head dept. econ. Fordham, 35-45; prof. hist. Southwestern Louisiana, 47-51; assoc. prof. law, Mississippi, 63-67; private practice law, 65-66; PROF. POLIT. SCI. BREVARD JR. COL. 66- Lectr. Fordham, 31-35; legal consult. 63-66. Ed. hist. br. Chem. Warfare Serv. U.S. War Dept. 45-47. Bar Asn; Polit. Sci. Asn; fel. Royal Hist. Soc. Outlines of modern European history, 1500-1830; plans for world peace through six centuries; guide to European history. Publ: Mississippi workmen's compensation: selected cases, Univ. Mississippi, 64; The voice of the people, 70 & Grass roots government, 70, McCutchan. Address: Dept. of Political Science, Brevard Junior College, Cocoa, Fla. 32922.
- HEMMENS, PROF. GEORGE C. b. Chicago, Ill. Dec. 31, 33; m. 58; c. 3. CITY & REGIONAL PLANNING. A.B. Illinois, 57; M.R.P. North Carolina, 59; Ph.D.(planning), Mass. Inst. Tech. 66. Planner, Update N.Y. Transportation Studies, 62-64; fel. PLANNING, joint center urban studies, Mass. Inst. Tech.-Harvard, 64-65; PROF. NORTH CAROLINA, CHAPEL HILL, 65- U.S.C.G. 51-54. Inst. Planners. Urban systems analysis; location theory; transportation. Publ: Ed. Urban development models, Hwy. Res. Bd. 68; auth. Study of urban activity systems, Socio-Econ. Sci. 1/70. Address: 512 E. Rosemary St, Chapel Hill, N.C. 27514.
- HEMPLE, DR. DONALD J(AY). Marketing, Business Economics. See A-K Vol. 11th ed. Soc. & Behav. Vols. New position: Assoc. prof. 68-, Dept. of Marketing, University of Connecticut School of Business Administration, Storrs, Conn. 06268.
- HENDERSHOTT, DR. PATRIC H. b. Minneapolis, Minn. Mar. 3, 39; m. 61; c. 3. ECONOMICS. B.A. St. Mary's Col.(Minn). 61; M.A., Purdue, 63, Ph.D. (econ). 65. Res. economist, Fed. Res. Bd. 64-67; asst. prof. econ. North-western, 67-69; ASSOC. PROF. ECON. & FINANCE, PURDUE, 67- Lectr., Georgetown, 66-67. Econ. Asn; Finance Asn; Economet. Soc. Monetary theory and policy; international finance; finance. Publ: The neutralized money stock: an unbiased indicator of Federal Reserve actions, Irwin, 68; Recent development of the financial sector of Europe toll models, J. Finance, 3/68; co-auth. Financial capital flows in the balance of payments of the United States: an exploratory empirical study, Princeton Studies in Int. Finance, 70. Address: Krausert Graduate School of Industrial Administration, Purdue University, Lafayette, Ind. 47907.
- HENDERSON, PROF. DAVID. Sociology. See A-K Vol. 11th ed. Soc. & Behav. Vols. New position: Dir. Buhl Found. 68- Address: 303 Homer Dr, Pittsburgh, Pa. 15235.
- HENDERSON, PROF. GEORGE, b. Hartsboro, Ala. June 18, 32; m. 52; c. 7. SOCIOLOGY, EDUCATION. B.A., Wayne State, 57, M.A. 59, Ph.D.(ed. sociol). 65. Caseworker, Church Youth Serv, 57-59; social economist, Detroit Housing Cmn. 60-61; community serv. dir. race rels. Detroit Urban League, 61-63; prog. dir. juvenile delinquency res. City of Detroit, 63-64; asst. dir., Wayne State Univ. 64-65; intercult. rels. Detroit Pub. Schs. 65-66; asst. to supt. ed. 66-67; assoc. prof. sociol. & ed., OKLAHOMA, 67-69; GOLDMAN PROF. HUMAN RELS. 69- Sociol. lectr., Wayne State, 62-67; res. award. Am. Fedn. Teachers, 68-69; vis. prof., Langston, 69- Consult. Okla. City Pub. Schs. Southwest Center for Human Rel. Studies, South. Regional Ed. Bd. 67- U.S.A.F. 53-55. AAAS: Sociol. Asn. Aspirations and attitudes of racial minority group children; methods and techniques for altering negative attitudes of teachers toward school desegregation. Publ: Co-auth. Foundations of American education, 70 & Teachers should care, 70, Harper; auth. Black nationalism and the public school, Elem. Prin. nat. Elem. Prin. nat. Address: Dept. of Human Relations, University of Oklahoma, Norman, Okla. 73069.
- HENDERSON, (GEORGE) GORDON, S.J. Psychology. See A-K Vol. 11th ed. Soc. & Behav. Vols. New position & address: V-pres. student affairs, Catholic University of America, 620 Michigan Ave. N.E., Washington, D.C. 20017.
- HENDERSON, DR. GEORGE W(INSLOW), JR. Industrial Psychology. See A-K Vol. 11th ed. Soc. & Behav. Vols. New position: Sr. mgt. psychologist, Personnel Res. & Develop. Co. 69- Address: 440 E. 62nd St, New York, N.Y. 10021.
- HENDERSON, DR. JOHN (BROWN). Economics. See A-K Vol. 11th ed. Soc. & Behav. Vols. New position & address: Dep. asst. secy. econ. affairs, 68-, U.S. Dept. of Commerce, Washington, D.C. 20230.
- HENDERSON, DR. KEITH MEADER. Public Administration. See A-K Vol. 11th ed. Soc. & Behav. Vols. New position & address: Prof. & chmn. 69-, Dept. of Political Science, State University of New York College at Buffalo, 1300 Elmwood Ave., Buffalo, N.Y. 14222.
- HENDERSON, DR. RONALD WILBUR, b. Pocatello, Idaho, Jan. 20, 33; m. 59; c. 3. PSYCHOLOGY. B.A., Sacramento State Col. 60; Woodrow Wilson fel. Arizona, 60-61; M.Ed. 62, Ed.D. 62, psychol. 66. Teacher, pub. schs. Ariz. 62-64; asst. prof. ED. PSYCHOL. Oregon, 66-67; ARIZONA, 67-70, ASSOC. PROF. 70- DIR. CENTER FOR EARLY CHILDHOOD ED. 70- Res. assoc. Center for Early Childhood Ed, Arizona, 67-68, dir. follow through implementation proj. 68-69, assoc. dir. center, 69-70. Dir. Ed. Personnel Develop. Act Inst. 68-70; field reader, res. contracts & grants div. U.S. OH. Ed. 68- Consult. Volt Tech. Corp. 68-70; consult. & expert, U.S. OH. Ed. 68- U.S.A.F. 51-55, Air Nat. Guard, 55-60. AAAS: Psychol. Asn. Ed. Res. Asn; Nat. Coun. Measurement in Ed. Socialization processes; social and cultural influences on learning and development; early childhood education. Publ: Co-auth. Environmental backgrounds of Mexican-American children with different potentials for school success, 6/68 & Social strata and perception of magical and folk-medical child care practices, 2/69, J. Soc. Psychol.; auth. Research and consultation in the natural environment, Psychol. in Schs. (in press). Address: Dept. of Educational Psychology, University of Arizona, Tucson, Ariz. 85721.
- HENDERSON, PRES. THOMAS H(OWARD). Psychology, Education. See 11th ed. Soc. & Behav. Vols. deceased 70.
- HENDON, DR. FRED N. JR. b. Birmingham, Ala. Apr. 10, 36; m. 64; c. 2. ECONOMICS. B.S. Alabama, 58, M.S. 59, Ph.D.(econ). 69. Mkt. res. analyst, Vulcan Mat. Corp. 64-65; instr. ECON. SAMFORD, 65-66; asst. prof. 66-68, ASSOC. PROF. 68- Consult. Asst. Econ. Indust. 68- U.S.A. 61-63. Econ. Asn. Mechanism of the inflation process. Address: Dept. of Economics, Samford University, 800 Lakeshore Dr, Birmingham, Ala. 35029.
- HENDON, DR. RUFUS S(TAPLES). Linguistics, Anthropology. See 5th ed, Dir. Am. Scholars, Vol. III, For. Lang. Ling. & Philol.
- HENDRICKS, PROF. FRANCIS. City & Regional Planning. See A-K Vol. 11th ed. Soc. & Behav. Vols. New position & address: Lectr. city & regional planning, 69-, School of Architecture, California State Polytechnic College, San Luis Obispo, Calif. 93401.
- HENDRICKS, DEAN LUTHER V. Social Science. See A-K Vol. 11th ed. Soc. & Behav. Vols. New information: Also dean behav. & soc. sci. 69-, World Cultures Center, Edinboro State College, Edinboro, Pa. 16412.
- HENDRICKS, PROF. RICHARD. Speech Pathology, Audiology. See 11th ed. Soc. & Behav. Vols. deceased 69.
- HENDRICKSON, DR. HILDEGARD ROEDIG, b. Gasdobra, Yugoslavia, Oct. 12, 33; U.S. citizen; m. 60; c. 2. ECONOMICS, FINANCE. B.B.A., Washington (Seattle), 58, M.B.A. 59; D.B.A.(finance), 66. Lectr. finance, Washington (Seattle), 65-67; ASST. PROF. ECON. & FINANCE, SEATTLE, 67- Econ.

- Asn; Finance Asn. Economic theory; money and banking; business finance. Publ: Co-auth, Economics for Americans, St. Martin's, 70. Address: Dept. of Economics, Seattle University, Seattle, Wash, 98115.
- HENDRY, DR. DEREK P. b. Rosyth, Scotland, May 24, 31; m. 58; c. 2. PSYCHOLOGY, BIOENGINEERING. M.A. Edinburgh, 55; M.A., 56; jr. Sterling fel, Yale, 59-60; Ph.D. (psychol), 60. Asst. instr. psychol, Yale, 57-59; lectr., Durham, 60-64; res. assoc. space res, Space Res. Lab, Maryland, 64-65; assoc. prof. psychol. & bioeng., Illinois, Chicago Circle, 65-70, exec. officer bioeng., 66-70; PROF. PSYCHOL. & HEAD DEPT. MARQUETTE, 70. Res. asst, Yale, 56-59; res. grants, Dept. Sci. & Indust. Res. U.K., 61-64, Off. Naval Res., 65-66, NASA, 65-66, Nat. Inst. Health, 66-72. Adminstr., Presby. St. Luke's Hosp., Chicago, 65-66, assoc. attending bioengr., 65-69. R.A.O.C. 49-51. A.A.S. Am. Psychol. Asn; Behav. Pharmacol. Soc; Asn. Comput. Mach; Psychonomic Soc; Asn. Precision Teaching; Brit. Psychol. Soc. Experimental psychology; epistemology and physiological psychology; child psychology; physiological control systems; behavior modification. Publ: Ed. Conditioned reinforcement, Dorsey, 69; auth, Status of research in bioengineering, IEEE Trans. Biomed. Eng., 7/68; co-auth, Periodic shock with added clock, J. Exp. Anal. Behav., 1/69. Address: Dept. of Psychology, Marquette University, Milwaukee, Wis. 53233.
- HENDRY, DR. JAMES B(AUSCH). Economics. See A-K Vol. 11th ed, Soc. & Behav. Vols. New position: Div. chief agr. proj, dept, 68-, International Bank for Reconstruction & Development, 1818 H St. N.W., Washington, D.C. 20433.
- HENNINGER, DR. GEORGE ROBERT. Psychiatry. See Suppl. V to 11th ed, Phys. & Biol. Vols.
- HENJUM, DR. RAYMOND HARRIS. b. Hoffman, Minn., May 4, 34; m. 56; c. 2. GUIDANCE & COUNSELING. B.A. Augsburg Col., 55; M.Sc., Saint Louis, 61; Ph.D. (couns. ed.), Wisconsin, 65. Teacher, pub. sch., Minn., 55-58; teacher & superv. pub. schs, Wis., 58-62; res. asst. counseling, Wisconsin, Madison, 62-65; asst. prof. COUNSEL. ED., Montana State, 65-68; ASSOC. PROF., MANITOBA, 68-; Grant, inst. simulation in col. instr., Ore. State Syst. Higher Ed., summer 68; consult, Dept. Ed., Man., 69-70. Career development research and related research in counselor education. Publ: Co-auth, Some career development implications for education, Man. J. Ed., 6/69 & Parental actions on counselor suggestions, Voc. Guid. Quart., 9/69. Address: Faculty of Education, University of Manitoba, Winnipeg 19, Man., Can.
- HENKIN, PROF. LOUIS. Law, Diplomacy. See 5th ed, Dir. Am. Scholars, Vol. IV, Philos. Relig. & Law.
- HENLEY, DR. GORDON H(ENRY). Counseling, Educational Psychology. See A-K Vol. 11th ed, Soc. & Behav. Vols. New position & address: Prof., 67-, Dept. of Psychology, St. John's University, Collegeville, Minn. 56321.
- HENNESSY, DR. JOHN R. b. New York, N.Y., Jan. 10, 15; m. 44; c. 7. PSYCHOLOGY, HUMAN FACTORS ENGINEERING. B.A., Brooklyn Col., 38; M.A., N.Y. Univ., 49; Ph.D. (psychol), 64. Training officer, instr., Signal Sch., U.S. Army, Ft. Monmouth, N.J. 52-53; instr. appl. commun., 53-54, commun. center ops., 54-59, ed. specialist, 59-60; res. psychologist, R & D Directorate, U.S. Army Electronics Command, 60-61, superv. res. psychologist, 61-66; res. psychologist, avionics lab, U.S. Army, Ft. Monmouth, 66-69; MEM. SCI. CONSULT. STAFF, U.S. ARMY ADV. MATERIEL CONCEPTS AGENCY, D.C., 69-; Co-adj. prof., Ocean County Col. (N.J.), 67-69. U.S.A., 41-45; U.S.A.F., 50-52. Psychol. Asn; Human Factors Soc; Inst. Elec. & Electronics Eng. Effects of drugs on homing behavior of pigeons; novel means of communications; aircraft instrumentation; cognition; learning theory. Address: U.S. Army Advanced Materiel Concepts Agency, Washington, D.C. 20315.
- HENNESSY, DR. JOSEPH H(OWARD). b. Pittsburgh, Pa., Nov. 16, 37; m. 62; c. 4. POLITICAL SCIENCE. B.A., La Salle Col., 59; M.A., Notre Dame, 62, Ph.D. (polit. sci.), 68. ASST. PROF. POLIT. SCI., Assumption Col., 63-67; TEMPLE, 67-. Polit. Sci. Asn. Political theory; law. Publ: Tying arrangements, combination sales, legal differences and judicial differentiation, Temple Law Quart., 70. Address: 1571 Edgewood Ave., Roslyn, Pa. 19001.
- HENNING, DALE R. Anthropology, Archaeology. See A-K Vol. 11th ed, Soc. & Behav. Vols. New position & address: Asst. prof., 68-, Dept. of Anthropology, University of Nebraska, Lincoln, Nebr. 68508.
- HENRY, PROF. E(DWIN) R(UTHVAN). Psychology. See A-K Vol. 11th ed, Soc. & Behav. Vols. New position: Prof. behav. sci., col. bus, Rochester. Address: R.D. 1, Mayfield, N.Y. 12117.
- HENRY, DR. JOHN FREDERICK. Industrial Management, Business Administration. See A-K Vol. 11th ed, Soc. & Behav. Vols. New information: Also head, 69-, Dept. of Management, School of Business, Auburn University, Auburn, Ala. 36830.
- HENRY, PROF. FULES. Anthropology. See 11th ed, Soc. & Behav. Vols. deceased 69.
- HENRY, PROF. LYLE K(ENNETH). Psychology. See A-K Vol. 11th ed, Soc. & Behav. Vols. Information: Eur. conf., 69-, Dept. of Psychology, Morrisville College, Sioux City, Iowa 51106.
- HENTON, DR. COMRADGE L. b. Bessemer, Ala., Feb. 13, 12; m. 42; c. 1. DEVELOPMENTAL PSYCHOLOGY. B.A., Xavier (Lab.), 39; M.A., Atlanta, 48; M.S., Omaha, 52; Ed.D. (develop. psychol. measurement), Nebraska, Lincoln, 70. Asst. dist. mgr., Keystone Life Ins. Co., New Orleans, La., 40-41; 45-46; instr. sociol. & dean of men, Grambling Col., 48-50; rwy. mail clerk, Burlington Terminal, Omaha, Nebr., 51-52; instr. PSYCHOL., Ala. State Col., 52-57; ASSOC. PROF., SOUTHERN UNIV., 57; U.S. Dept. Health, Ed. & Welfare grant, 62-64. Intel. C., U.S.A., 41-45, Sgt. Nat. Soc. Col. Teachers Ed. Measurements; social psychology. Publ: Co-auth, Workbook in adolescent psychology, Edwards Bros., 63. Address: Dept. of Psychology, Southern University, Baton Rouge, La. 70813.
- HENTZEL, DR. DAVID RICH. b. Keokuk, Iowa, Aug. 8, 33; m. 62; c. 2. ECONOMICS. Ph.D. (econ), Southern Illinois, 67. Asst. prof. ECON. Cent. Mo. State Col., 65-67; ASSOC. PROF., MISSOURI-ROLLA, 67-. U.S.A.F., 51-55, S/Sgt. Econ. Asn. Economics of crime and the rehabilitation of felons through higher education; study of Ozarka as an underdeveloped area of the United States. Publ: State of Missouri research and development facilities, Part I, 68, Part II, 69, Univ. Mo. Address: Dept. of Economics, University of Missouri-Rolla, Rolla, Mo. 65401.
- HEPLER, DR. HAL W. b. Delta, Ohio, June 18, 26; m. 49; c. 3. COMMUNICATION, SOCIAL PSYCHOLOGY. B.Ed., Toledo, 50; M.A., N.Y. Univ., 58; Ph.D. (commun), Mich. State, 65. Teacher, high schs, Mich., 52-58; instr., Eng. Bay City Jr. Col., 58-61; BUS. LAW OFF. ADMIN., COL. BUS., MICH. STATE, 61-65, asst. prof., 65-67, ASSOC. PROF., 67-. Mem. field staff, Resources Develop. Co., Okemos, Mich., 61- U.S.N., 44-46. Int. Commun. Asn. Acad. Mgt. Organizational communication; persuasion; applied linguistics. Publ: Co-auth, Dimensions in communication, Wadsworth, 65, 2nd ed., 70. Address: College of Business, Michigan State University, East Lansing, Mich. 48823.
- HERBERT, DR. JOHN D(AVID). b. Auckland, N.Z., Nov. 13, 31; U.S. citizen; m. 60; c. 2. URBAN & REGIONAL PLANNING. B.Arch., Auckland, 53; California, Berkeley, 56-58; Samuel S. Fels fel., Pennsylvania, 60-61, Ph.D. (city planning), 64. Architect, private practice, N.Z., 53-56; planning asst., munic. planning off., Corp. Kitimat, B.C., 57; teaching asst. urban & regional planning, dept. city planning, Univ. Pennsylvania, 58-60; econ. consult., Pa.-N.J. Transportation Study, Phila., 60-63; sr. metrop. planner & consult., Ford Found. adv. group, Calcutta Metrop. Planning Org., 63-67; SR. V-PRES., PLANNING & DEVELOP. COLLAB. INT., INC., 67-. Mem. faculty, dept. city & regional planning, California, Berkeley, 61-63; external exam. Ph.D. prog. archit., Univ. New Zealand, 68-. Consult., Ford Found., Chile. Info. Syst. Prof., 68-. Royal N.Z. Corps Eng., 50-53, Sgt. Regional Sci. Asn. Urban & Regional Info. Sys. Asn; assoc. Royal Inst. Brit. Archit.; assoc. N.Z. Inst. Archit. Analytical modeling of urban and regional structures and processes; decision theory and information systems for urban and regional planning; planning method in the developing countries. Publ: A procedure for the articulation of complex development programming problems, Univ. Microfilms, 64; co-auth, An approach to metropolitan planning in the developing countries, Praeger, 68 & A model for the distribution of residential activity in urban areas, J. Regional Sci., 60. Address: PADCO, Inc., Suite 509, 1211 Connecticut Ave. N.W., Washington, D.C. 20036.
- HERBLIN, DR. WILLIAM F(ITTS). Biochemistry, Pharmacology. See Suppl. V to 11th ed, Phys. & Biol. Vols.
- HERBSLEB, PROF. JAMES R. b. Philadelphia, Pa., June 28, 16; m. 40; c. 3. ECONOMICS, BUSINESS LAW. B.A. Univ. of Pa., 47; M.A., 48; Ph.D., D. Temple, 49. Instr. econ, Ursinus Col., 49-52, assoc. prof. ECON. & BUS., 52-56; PROF., MONMOUTH COL. (ILL), 56-. Summers, Ford Found. fel. schs. bus., Indiana, 60 & Gen. Elec. Co. fel., Chicago, 63. U.S.A.A.F., 42-46, 1st Lt. Econ. Asn. Labor law government and business; money and banking. Publ: Jurisdiction, military tribunal, Temple Univ., 63; co-auth, Government and labor, Jr. Principles of economics, Pitman, 57; auth, The learned professional, Ill. Bar J., 67. Address: Dept. of Economics, Monmouth College, Monmouth, Ill. 61462.
- HERLIHY, PROF. H(ORACE) M(URRAY). Economics. See A-K Vol. 11th ed, Soc. & Behav. Vols. Change of address: 6007 Sheridan Rd., Apt. 8A, Chicago, Ill. 60626.
- HERMAN, DR. IRVING L(EONARD). Psychology. See A-K Vol. 11th ed, Soc. & Behav. Vols. New position: Assoc. prof., Sacramento State Col., 69-. Address: 889 Commons Dr., Sacramento, Calif. 95825.
- HERMAN, DR. KENNETH. Psychology. See A-K Vol. 11th ed, Soc. & Behav. Vols. New information: Pres. & chmn. bd, Child Growth & Develop. Corp., 69-. Address: Psychological Service Center, 175 Cedar Lane, Teaneck, N.J. 07666.
- HERMAN, DR. ROBERT S. Economics, Public Administration. See A-K Vol. 11th ed, Soc. & Behav. Vols. New position: Prof. econ. & pub. admin. & chmn. dept. econ, Union Col., 69. Address: 9 Southwood Dr., Slingerlands, N.Y. 12159.
- HERMAN, PROF. SIDNEY. Economics. See A-K Vol. 11th ed, Soc. & Behav. Vols. New information: Also assoc. dean, 69-, College of Liberal Arts, Northeastern University, Boston, Mass. 02115.
- HERMAN, DR. SONDRRA RENEE. American Intellectual History, Foreign Relations. See 5th ed, Dir. Am. Scholars, Vol. I, Hist.
- HERMANN, PROF. DONALD HAROLD JAMES. b. Southgate, Ky., Apr. 6, 43. ECONOMICS, LAW. B.A., Stanford, 65; J.D., Columbia, 68. Mem. staff, legis. drafting res. fund, Columbia, 67-68; ASST. PROF. BUS. GOVT. & SOC. SCH., BUS. WASHINGTON (SEATTLE), 68- & VIS. PROF. SCH. LAW, 69-. vis. lectr. sch. ed., 69-70. Acad. Polit. & Soc. Sci.; Bar Assn. Econ. Asn; Soc. Int. Law. Economic policy; legal and economic foundations of capitalism; obligation in western society. Publ: Auth, From economic theory to public policy, Univ. Wash. Bus. Rev., spring 69; On civil disobedience, Calif. Law Rev., 12/69; International aspects of section seven of the Clayton Act, Stanford Law Rev., 69. Address: Condon Hall, University of Washington, Seattle, Wash. 98105.
- HERMANN, DR. WILLIAM D. b. Staplehurst, Nebr., Sept. 18, 24; m. 44; c. 2. ECONOMICS. B.S.B.A., Washington (St. Louis), 47; M.A., 62, Ph.D. (econ), 67; Grenoble, 60. Loan clerk, Miss. Valley Trust Co., St. Louis, Mo., 45-47; real estate & sales rep., Shell Oil Co., N.Y., 47-60; asst. econ., Washington

- (St. Louis), 60-64; prog. economist, U.S. Agency Int. Develop, Liberia, 64-67; assoc. prof. ECON. Minuteman Grad. Center, S.Dak. State Univ., Ellsworth Air Force Base, 67-69; VIE. ASSOC. PROF. CONCORDIA COL. 69- Lectr. Peace Corps, 67, U.S.A.A.F. 43-45, 1st Lt. Econ. Assn. Soc. Int. Develop. Manpower and labor market research for Ford Foundation and United States Dept. Labor; manpower in developing economies. Address: Dept. of Economics, Concordia College, Moorhead, Minn. 56560.
- HERMANS, PROF. THOMAS G(ERALD).** Psychology. See 11th ed, Soc. & Behav. Vols. Decades 69.
- HERNANDEZ, EUGENIO A. S.J. b.** Malaga, Spain, Jan. 13, 26. **POLITICAL SCIENCE.** Ph.L. Ona Col, Spain, 49; S.T.L. Weston Col, 57; Ph.D.(polit. sci), 63. Prof. POLITI. SCI. Rafael Landívar Univ., Guatemala, 63-67; vis. prof. Boston Col, 68; ASST. PROF. Canisius Col, 68-70; ST. PETER'S COL.(N.J.), 70. Polit. Sci. Assn. Political and economic integration of Central America; political instability and change in Latin America. Publ: The organization of Central American states, Guatemala, 67; Federación and confederación; formulas de integración política. Primer Congreso Centro Americano Estudiantes, 66. Address: Dept. of Political Science, St. Peter's College, Jersey City, N.J. 07306.
- HERNANDEZ, DR. JOSE, b.** Aug. 22, 35; U.S. citizen; m. 65; c. 1. **SOCIOLOGY, DEMOGRAPHY.** B.A. Ford, 23; M.A., 60; Ph.D.(sociol), Minnesota, 64. Dir. res. proj. soc. sci. res. center, Univ. Puerto Rico, 62-65; res. sociologist, int. pop. & urban res. California, Berkeley, 65-66; prog. adv. Ford Found, Brazil, 66-70; ASSOC. PROF. SOCIOL. ARIZONA, 70. Vis. prof. São Paulo, 66-68; vis. researcher, Getulio Vargas Found, Rio de Janeiro, 69. Sociol. Assn; Pop. Assn; Acad. Polit. & Soc. Sci. Demography, especially migration, labor force, fertility and family: social and economic development emphasizing Latin America. Publ: Return migration to Puerto Rico, Inst. Int. Studies, Univ. Calif., Berkeley, 67. Address: Dept. of Sociology, University of Arizona, Tucson, Ariz. 85721.
- HERNANDEZ, DR. PEDRO F.** Sociology, Agricultural Economics. See A-K Vol. 11th ed, Soc. & Behav. Vols. New information: Also acting dir, 69-, Latin American Studies Institute, Louisiana State University, Lockett Hall, Baton Rouge, La. 70803.
- HERNDON, DR. JAMES F.** Political Science. See A-K Vol. 11th ed, Soc. & Behav. Vols. Change of address: Kessler Park, Blacksburg, Va. 24060.
- HEROLD, DR. ELAINE BLUHM.** Anthropology. See A-K Vol. 11th ed, Soc. & Behav. Vols. Change of address: 307 Pueblo Trail, Lakeland, Fla. 33803.
- HEROLD, DR. ROBERT C. b.** Boston, Mass., Oct. 1, 38; m. 58; c. 4. **POLITICAL SCIENCE.** B.S. Brigham Young, 62; M.A., George Washington, 64. Ph.D.(polit. sci), 69. Budget analyst, Spec. Projs. Off., Polaris, 61-66; asst. to dir. for prog. anal. Deep Submergence Sys. Proj., 66-69; ASST. PROF. POLIT. SCI. EAST. WASH. STATE COL., 69- Acting dir., Community Serv. Inst., 69-70. Polit. Sci. Assn. Politics of defense decision-making; role and function of chief executive. Publ: Mormonism and required acceptance, Dialogue: J. Mormon Thought, 9/69. Address: Dept. of Political Science, Eastern Washington State College, Cheney, Wash. 99004.
- HERR, PROF. VINCENT (VICTOR).** Psychology. See A-K Vol. 11th ed, Soc. & Behav. Vols. New position: Res. prof., Dept. of Psychology, Loyola University, 6525 Sheridan Rd., Chicago, Ill. 60626.
- HERRICK, DR. ROBERT (MICHAEL).** Psychology. See A-K Vol. 11th ed, Soc. & Behav. Vols. New position: Head, behav. sci. div, 68-. Aerospace Medical Research Department, Naval Air Development Center, Johnsville, Pa. 18974.
- HERRING, DR. FRED HENRY.** Clinical Psychology. See A-K Vol. 11th ed, Soc. & Behav. Vols. New information: Private practice legal psychol. 65-; vis. faculty psychol. Colorado, 68- & Colo. State, 69-. Address: P.O. Box 10428, Denver, Colo. 80210.
- HERRING, PENDLETON.** Political Science. See A-K Vol. 11th ed, Soc. & Behav. Vols. New information: Retired, 68. Address: Castle Howard, Princeton, N.J. 08540.
- HERRMANN, DR. KLAUS J.** Political Science. See A-K Vol. 11th ed, Soc. & Behav. Vols. New publ: The Third Reich and German-Jewish organizations, 1933-34, Heymann, 69. Address: Dept. of Political Science, St. George Williams University, 1435 Drummond St., Montreal 25, Que, Can.
- HERRMANN, DR. ROLF-DIETER.** Social Philosophy & Aesthetics. See 5th ed, Dir. Am. Scholars, Vol. IV, Philos. Relig. & Law.
- HERSHENSON, DR. MAURICE (EUGENE).** Psychology. See A-K Vol. 11th ed, Soc. & Behav. Vols. New position & address: Assoc. prof, 69-, Dept. of Psychology, Brandeis University, Waltham, Mass. 02154.
- HERSHFIELD, DR. ALLAN F. b.** Chicago, Ill., May 20, 31; m. 56; c. 2. **POLITICAL SCIENCE, COMMUNICATION.** B.S. Wisconsin, 51; M.S. Syracuse, 58; M.A. Indiana, 66, MUCIA fel. & Ph.D.(polit. sci), 68. Broadcasting adv. U.S. Agency Int. Develop, 59-62; asst. to v. pres. sales & planning, TV Assocs. Ind, 62; lectr. & prof. supvr. ed. broadcasting, Indiana, 62, res. asst. polit. sci, 67; instr. commun. & assoc. prof. leader, Mich. State, 66-67; asst. prof. polit. sci, Kentucky, 68-69; ASST. DEAN, SCH. LIBR. SCI., SYRACUSE, 70. Admin. asst. exec. secy. cmt. commun. in nation bldg, Indiana, 67. U.S.A., 53-55. Polit. Sci. Assn. Soc. Int. Develop. Africa; Soc. Int. Commun. & development; bureaucracy and development; micro-politics and development; survey research in developing areas. Publ: Village leaders and the modernization of agriculture: a study of 52 Ibo villages, 68 & co-auth., Communication in Nigeria: an experiment in introducing change, 68, Mich. State Univ. Address: School of Library Science, Syracuse University, Syracuse, N.Y. 13210.
- HERSKOVETS, DR. BERNAT.** Psychology. See A-K Vol. 11th ed, Soc. & Behav. Vols. New position: Staff psychologist & asst. prog. dir., Fairview State Hosp., Calif. Dept. Ment. Hyg., 70- Address: 2285 Fordham Dr., Apt. 1, Costa Mesa, Calif. 92626.
- HERTZLER, DR. DAVID R. b.** Bristol, Pa., July 14, 38; m. **PHYSIOLOGICAL PSYCHOLOGY.** A.B. Gettysburg Col, 60; Ph.D.(exp. psychol), State Univ. N.Y. Buffalo, 67. Res. asst. clin. psychol., Edgewood Arsenal, U.S. Army, 61-62, exp. psychol., 62-63; teaching asst., State Univ. N.Y. Buffalo, 63-64, res. asst. to Dr. C.J. Smith, summer, 64 & to Dr. W.N. Hayes, 64-67; Nat. Inst. Neurol. Disease & Blindness res. fel. auditory res. lab., Princeton, 67-69; ASST. PROF. PSYCHOL. STATE UNIV. N.Y. COL. OSWEGO, 69- Instr. evening col., Trenton State Teachers, Col., 68. U.S.A., 61-63. AAAS; Psychonomic Soc. Animal sensory physiology; visual perception and the physiological basis; electrophysiology of audition; neural correlates of learning, habituation and attention. Publ: Co-auth., The role of the optic tectum and general cortex in reptilian vision, Psychonomic Sci, 9: 521-522, The effects of monocular vision and midbrain transection on movement detection in the turtle, 68 & Visual responsiveness and habituation in the turtle, 65: 331-335, J. Comp. Physiol. Psychol. Address: Dept. of Psychology, State University of New York College at Oswego, Oswego, N.Y. 13126.
- HERTZLER, PROF. JOYCE(O) RAMEL).** Sociology. See A-K Vol. 11th ed, Soc. & Behav. Vols. Change of address: 1650 S. 20th St., Lincoln, Nebr. 68502.
- HERVEY, DR. JACK L(ER).** Economics. See A-K Vol. 11th ed, Soc. & Behav. Vols. New position & address: Economist, 68-, Research Dept. Federal Reserve Bank of Chicago, 230 S. LaSalle St., Chicago, Ill. 60690.
- HERZ, DR. MARVIN I. b.** New York, N.Y., Dec. 24, 27; m. 52; c. 3. **PSYCHIATRY.** B.A. Michigan, 49; M.D., Yale, 50; M.D. Chicago Med. Sch, 55; cert. psychoanal. med. Columbia, 68. Dir. in-patient serv. psychiat., Montefiore Hosp., 61-63; instr. Albert Einstein Col. Med., 63-64, asst. prof., 64-65, dir. day hosp., 63-65; assoc. psychiatrist, COL. PHYSICIANS & SURGEONS, COLUMBIA, 65-69, ASST. PROF. CLIN. PSYCHIAT., 69-; DIR, WASH. HEIGHTS COMMUNITY SERV., N.Y. STATE PSYCHIAT. INST., 68-, ward adminstr., 65-68. U.S.N.R., 22-61. Lt. Command. Fel. Psychiat., U.S. Army; Asst. World Fedn. Ment. Health. Psychomatic, psychosocial and psychoanalytic research. Publ: Co-auth., Differential effects of shame and disintegrative threats on emotional adrenocortical functioning, 6/60 & Problems of role definition in the therapeutic community, 3/66, Arch. Gen. Psychiat.; co-auth., Day versus inpatient hospitalization: a controlled study, Proc. Annual Meeting, Am. Psychiat. Assn., 70. Address: 722 W. 168th St., New York, N.Y. 10032.
- HERZ, DR. MICHAEL (JOSEPH), b.** St. Paul, Minn., Aug. 12, 36; m. 62; c. 3. **PSYCHOLOGY.** B.A. Reed Col, 58; M.A., San Francisco State Col, 62; Nat. Inst. Ment. Health fel., Southern California, 63-66, Ph.D.(physiol. psychol), 66. Res. asst., San Francisco State Col, 61; Mt. Zion Inst. Neurophysiol., San Francisco, 61-62; trainee exp. psychol., Long Beach Vet. Admin. Hosp., 62-63; Nat. Inst. Ment. Health fel. brain res. inst. sch. med. California, Los Angeles, 66-68; res. psychobiologist, Vet. Admin. Hosp., Sepulveda, Calif, 68; ASST. PROF. MED. PSYCHOL. SCH. MED., CALIFORNIA, SAN FRANCISCO, 69-. Lectr., Calif. State Col. Los Angeles, 67-68; Nat. Inst. Ment. Health res. grants, 69-. U.S.A., 58-69. AAAS; Animal Behav. Soc.; Psychonomic Soc.; Psychol. Assn. Soc. Neurosci. Role of the brain in memory storage processes; species-specific behavior; invertebrate learning. Publ: Co-auth., Critical issues in memory consolidation, Albion, (in press) & Stereotaxic atlas of the mouse brain, Freeman, (in prep); auth., Interference with one-trial appetitive and aversive learning by ether and ECS, J. Neurobiol., 1: 111-122, Address: Dept. of Medical Psychology, University of California School of Medicine, San Francisco Medical Center, San Francisco, Calif. 94122.
- HERZOG, PROF. GEORGE.** Anthropology. See A-K Vol. 11th ed, Soc. & Behav. Vols. Change of address: Hooverwood, Hoover Rd. at 70th St. N., Indianapolis, Ind. 46260.
- HERZOG, DR. JAMES HERMAN.** Electrical Engineering, Computer Science. See Suppl. V to 11th ed, Phys. & Biol. Vols.
- HESS, DR. DAVID (TERRY), b.** York, Pa., Jan. 31, 38; m. 65. **PSYCHOLOGY.** B.A. Wake Forest, 63; M.A. Richmond, 65; D.Phil.(psychol), Kentucky, 68. ASST. PROF. PSYCHOL. STATE UNIV. N.Y. COL. FREDONIA, 68-, CHMN. DEPT. 69-. U.S.N. 55-59. Psychol. Assn. Learning; motivation; statistics; simulation techniques. Publ: Co-auth., Effect of partial reinforcement trial sequences on extinction performance, Psychonomic Sci, 68; Inhibition effects with abbreviated training, 68 & Free-loading in the Skinner box contrasted with free-loading in the runway, 70, Psychol. Reports. Address: Dept. of Psychology, State University of New York College at Fredonia, Fredonia, N.Y. 14063.
- HESS, PROF. RICHARD J. b.** Millersville, Pa., Nov. 23, 22; m. 46; c. 2. **EDUCATIONAL PSYCHOLOGY.** B.S. Millersville State Col., 49; M.S. Syracuse, 52; Lehigh, 53; Ed.D.(ed. psychol), Pa. State, 64. Teacher, Whitehall High Sch., 49-56; psychologist, Carbon County Pub. Schs., 56-58; Warren & Elk County Schs., 58-64; PROF. PSYCHOL. & CHMN. DEPT., MILLERSVILLE STATE COL., 64- Consult. psychologist, Bur. Voc. Rehab., 58-; Hosp. Crippled Children, Elizabethtown, Pa., 65-. U.S.A.A.F., 42-46, Capt. Psychol. Assn. Development of tests for the measurement of intelligence, particularly in pre-school children. Address: Dept. of Psychology, Millersville State College, Millersville, Pa. 17551.
- HESSLINK, DR. GEORGE K.** Sociology. See A-K Vol. 11th ed, Soc. & Behav. Vols. New position & address: Asst. prof., 69-, Dept. of Sociology, Pomona College, Claremont, Calif. 91711.
- HESTON, DR. LEONARD L.** Psychiatry, Genetics. See Suppl. V to 11th ed, Phys. & Biol. Vols.

- HETTLINGER, PROF. RICHARD FREDERICK. Religion. See 5th ed, Dir. Am. Scholars, Vol. IV, Philos. Relig. & Law.
- HEUCKERTH, DR. OTTO, b. Norwalk, Conn. Aug. 4, 36; m. 60; c. 2. STATISTICS, MATHEMATICAL PSYCHOLOGY. B.A., Connecticut, 58; summer, Vermont, 58; M.A., Maine, 61; Ph.D. (psychol. model testing), Massachusetts, 66. Student psychologist, Bangor State Hosp., Maine, 60; human factors scientist, Syst. Develop. Corp., Calif., 65-67; SR. SCIENTIST, INTEGRATED SCI. CORP., SANTA MONICA, 68. Lectr. grad. sch. ed., California, Los Angeles, 66-68; lect. grad. sch. psychol., Calif. State Col. Los Angeles, 69. Consult. Technomics, Calif., 68; mgmt. consult. Price Waterhouse & Co. AAAS; Sci. Res. Soc. Am. Development of behavioral theory; decision making processes. Publ. Co-auth. Choice behavior and reward structure: pre-asymptotic statistics, 1: 120-139 & auth. Two choice probability learning: test of a finite Markov chain and linear operator model, 69, J. Math. Psychol.; Choice behavior and reward structure: preasymptotic variance of response proportions, Syst. Develop. Corp., 1/67. Address: 3755 Inglewood Blvd, Apt. 8, West Los Angeles, Calif. 90066.
- HEUSON, PROF. WILLIAM GEORGES. Finance. See A-K Vol, 11th ed, Soc. & Behav. Vols. New information: Financial adv. City South Miami. Address: Dept. of Finance, University of Miami, Box 8094, Coral Gables, Fla. 33124.
- HEUSTON, MILTON CRAIG. Business Administration, Economics. See A-K Vol, 11th ed, Soc. & Behav. Vols. Change of address: USRADO/STC, APO New York 09159.
- HEWES, DR. LAURENCE I (LSLEY), JR. Economics. See A-K Vol, 11th ed, Soc. & Behav. Vols. New position: Vpres, planning & develop. Collaborative Inst., 68. Address: 630-3001 Veazey Terr. N.W. Washington, D.C. 20008.
- HEWITT, DR. FRANK MORRIS, b. Los Angeles, Calif., Nov. 19, 27; m. 51; c. 2. SPECIAL EDUCATION, CLINICAL PSYCHOLOGY. A.B., California, Los Angeles, 51, M.A. 58, Ph.D. (clin. psychol.), 61. Teacher remedial ed., Fernald Sch., California, LOS ANGELES, 53-55, suvr., 55-61, clin. psychologist, neuropsychiat. inst., 61-64, asst. prof. SCH. ED. 64-67, ASSOC. PROF. ED. & PSYCHIAT., 67- Mem. Secy. Health. Ed. & Welfare Nat. Adv. Cmt. on Dyslexia & Related Reading Disorders, 68-69, U.S.A., 45-47. Fel. Orthopsychiat. Asn.; Psychol. Asn.; Coun. Except. Children. Public school and institutional educational programs for exceptional children; application of behavioral orientation in special education. Publ. The emotionally disturbed child in the classroom. Allyn & Bacon, 68; Educational engineering with emotionally disturbed children, Except. Children, 33: 459-471 & In: Educating emotionally disturbed children, Holt, 69, Educating the emotionally disturbed child, Crowell, 69 & Mental health and the educative process, Rand McNally, (in press); co-auth. The Santa Monica project: evaluation of an engineered classroom design with emotionally disturbed children, Except. Children, 3/69. Address: Dept. of Education & Psychiatry, Graduate School of Education, University of California, Los Angeles, Calif. 90024.
- HEWITT, DR. FRED (ERICK). Geography. See A-K Vol, 11th ed, Soc. & Behav. Vols. New position & address: Sr. consult, 69-, National Computing Centre, Quay House, Quay St., Manchester 3, Eng.
- HEWITT, JEAN T (ENNENT). Psychology. See A-K Vol, 11th ed, Soc. & Behav. Vols. Change of address: 93 Kercheval Ave., Grosse Pointe, Mich. 48236.
- HEWITT, DR. JOHN PAUL. Sociology. See A-K Vol, 11th ed, Soc. & Behav. Vols. New position & address: Asst. prof., 70-, Dept. of Sociology, University of Massachusetts, Amherst, Mass. 01002.
- Hexter, DR. JUDAH LAWRENCE, b. Minneapolis, Minn., Apr. 10, 31. ECONOMICS. B.A., Minnesota, 54; M.B.A., Cornell, 58; M.A., Wisconsin, 64, Ph.D. (econ.), 66. Instr. acct., Kent State, 56-59; acct., U.S. Gen. Acct. Off., 59-60; asst. econ. Wisconsin, 60-65; asst. prof., Maryland, 65-70; ASSOC. PROF. FINANCE, KENT STATE, 70- U.S.N., 54-56, Lt. Econ. Asn.; Economet. Soc.; Statist. Asn. Empirical investigation of firm and market behavior. Address: Kent State University College of Business Administration, Kent, Ohio 44240.
- HEYER, DR. ALBERT W (ILLIAM), JR. Psychology. See A-K Vol, 11th ed, Soc. & Behav. Vols. Change of address: 1200 Lincoln St., Denver, Colo. 80203.
- HEYL, ARNOLD A., b. Detroit, Mich., Sept. 7, 18; m. 43; c. 5. STATISTICS, MATHEMATICS. B.A., Mission House Col., 40; M.A., Texas, Austin, 47. Exec. officer, HumRRO, 56-62; dir. div. data sources & standards, U.S. Off. Ed., 62-67; assoc. dir. ops., Cent. Atlantic Regional Ed. Lab, 67-69; DIR. OPERS, HUMRRO, 69- U.S.A., 40-46, Capt. Research management and administration. Address: HumRRO, 300 N. Washington St., Alexandria, Va. 22314.
- HEYMAN, DR. VICTOR K (ENNETH). Political Science. See A-K Vol, 11th ed, Soc. & Behav. Vols. New position: Sr. assoc. Cresap McCormick & Paget, Inc., Wash. D.C., 69-. Address: 1706 Lorre Dr., Rockville, Md. 20852.
- HIATT, DR. HAROLD, b. Wilmington, Ohio, Oct. 15, 21; m. 42; c. 3. PSYCHIATRY. B.S., Wilmington Col., 43; M.D., Cincinnati, 46. Instr. PSYCHIAT, CINCINNATI, 52-54, asst. prof., 54-64, assoc. clin. prof., 64-68, ASSOC. PROF., 68- Dipl. Am. Bd. Neurol. & Psychiat., 52. Med. C., U.S.A., 47-49, Capt. Am. Med. Asn.; fel. Psychiat. Asn.; Col. Psychiat. Geriatrics; community psychiatry, psychotherapy. Publ. Guidelines for community mental health treatment and research programs, a State of Ohio comprehensive mental health project, State of Ohio 4/65; The problem of termination of psychotherapy, Am. J. Psychother., 10/65. Address: 3525 Biddle St., Cincinnati, Ohio 45220.
- HIBDON, DR. JAMES E (DWARD). Economics. See A-K Vol, 11th ed, Soc. & Behav. Vols. New publ.: Price and welfare theory, McGraw, 69. Address: University of Oklahoma, Faculty Exchange, Box 166, Norman, Okla. 73069.
- HICKS, DR. CHARLES B (ALCH), b. Kalamazoo, Mich., Dec. 1, 16; m. 44; c. 3. MANAGEMENT SCIENCE. A.B., Western Michigan, 38; M.A., Columbia, 42; Ph.D. (bus. ed.), Michigan, 50. Chmn. bus. ed. high sch., Mich., 39-42; asst. prof. econ. & acct., Western Michigan, 42-45 & 46, from asst. prof. to PROF. MGT, OHIO STATE, 49-, CHMN. MGT. SCI. FACULTY, 68-. Consult. to various fed. & state cos. & res. progs., 60-; State Farm Ins. Co., 62-67. Chmn. joint policy cmn., Exec. Develop. Prog., 68- U.S.A., 43-46. Admin. Mgt. Soc.; Acad. Mgt. Business education; office, administrative and personnel management; organization theory. Publ.: Technical terms of general business education, OMA & M Press, 51; co-auth. College secretarial procedures, McGraw, 52, rev. ed., 59, 62 & 71; Office management, Allyn & Bacon, 56, rev. ed., 62 & 70. Address: 2434 Arlington Ave., Columbus, Ohio 43221.
- HICKS, PROF. CLIFFORD M. Economics, Business Management. See A-K Vol, 11th ed, Soc. & Behav. Vols. New position & address: Consult., 68-. Haegen Associates, Inc., 722 Stuart Bldg., Lincoln, Nebr. 68508.
- HICKS, PROF. FRANCES ROSS. Psychology. See A-K Vol, 11th ed, Soc. & Behav. Vols. New information: Emer. prof. Ga. Col. Milledgeville; practicing psychologist. New publ.: Be alive as long as you live, Inst. Lifetime Learning, 69. Address: 130 N. Clark St., Milledgeville, Ga. 31061.
- HICKS, DR. GEORGE L (EON), JR., b. Panama City, Fla., May 4, 35; m. 54; c. 2. ANTHROPOLOGY. A.B., Fla. State, 60; M.A., California, Berkeley, 61; Soc. Sci. Res. Coun. fel., Anthropology, 65-66, Richard D. Found. fel., 66-67, Ph.D. (anthrop.), 69. Asst. archaeol. lab. anthrop., North Carolina, Chapel Hill, 61-62; ASST. PROF. ANTHROPOLOGY, BROWN, 67- U.S.A., 54-57. Anthropol. Asn.; Ethnol. Soc. Utopian communities; cultural anthropology of complex societies; Euroamerican culture; American ethnic groups. Publ.: Catawba acculturation and the ideology of race, Proc. Am. Ethnol. Soc., 64; co-auth. Observations on the mystique of anthropology, Sociol. Quart., 67. Address: Dept. of Sociology & Anthropology, Brown University, Providence, R.I. 02912.
- HICKS, DR. MASON A (DELBERT). Speech. See A-K Vol, 11th ed, Soc. & Behav. Vols. New information: Chmn. grad. cmt., 66-, no longer chmn. pub. address staff, Dept. of Speech, Purdue University, Lafayette, Ind. 47907.
- HICKS, DR. WILLIAM WHITNEY, b. Garden City, Kans., July 22, 35; m. 58; c. 2. ECONOMICS. B.S., Kansas State, 37, M.S. 58; Ph.D. (econ.), Stanford, 65. Asst. Fed. Res. Bank, Kansas City, Mo., 58-60; econ., Stanford Univ., 61-62, economist, Agency for Int. Development, 62, asst. prof., ECON. Kansas State, 64-65; Missouri, 65-68; vis. lectr., Pennsylvania, 68-69; ASSOC. PROF. MISSOURI-COLUMBIA, 69-. Econ. Asn.; Pop. Asn.; Latin Am. Studies Asn. Economic development; demography. Publ.: Estimating the foreign exchange cost of united aid, South. Econ. J., 10/63; A note on the burden of dependency in low income areas, Econ. Develop. & Change, 1/65; Primary exports and economic development: an application to the state of Texas to Sonora Mexico, Can. J. Agr. Econ., 7/69. Address: Dept. of Economics, University of Missouri-Columbia, Columbia, Mo. 65201.
- HIEDEMANN, DR. ANNETTE REGINE. Psychology. See A-K Vol, 11th ed, Soc. & Behav. Vols. New information: Also chmn. dept. psychol., W.Va. Wesleyan Col., 69-. Address: 142 S. Florida St., Buckhannon, W.Va. 26201.
- HIEMSTRA, DR. STEPHEN JAMES. Agricultural Economics. See A-K Vol, 11th ed, Soc. & Behav. Vols. New position: Asst. to adminstr. food & nutrit. serv., U.S. Dept. Agr., 69-. Address: 6808 Trexler Rd., Lanham, Md. 20801.
- HIERS, DR. RICHARD HYDE. Religion. See 5th ed, Dir. Am. Scholars, Vol. IV, Philos. Relig. & Law.
- HIGA, DR. MASANORI, b. Okinawa, Japan, Sept. 19, 29; m. 54. PSYCHO-LINGUISTICS, EDUCATIONAL RESEARCH. B.S., Boston, 53, M.A., 58; Ed.D. (lang. ed.), Harvard, 62. Instr. Eng. Ryukyus, 54-57; res. econ. Kansas State, Harvard, 62-63; asst. prof. ed. psychol., Northeastern, 63-65; ASSOC. PROF. psycholing., Kwansei Gakuin Univ., Japan, 65-69; PSYCHOLING. & SOCIO-LING., HAWAII, 69-. Assoc. psycholinguist., Hawaii, 68-70. Ling. Soc. Am.; Anthropol. Asn.; Psychol. Asn. Verbal learning and verbal behavior; psycholinguistic aspects of second language learning. Publ.: Interference effects of intralist word relationships in verbal learning, J. Verbal Learning & Verbal Behav., 2: 170-175; The psycholinguistic concept of difficulty and the teaching of foreign language vocabulary, Lang. Learning, 15: 167-179; Notes on the social and psychological aspects of metrics, Kwansei Gakuin Univ. Annual Studies, 16: 89-97. Address: Dept. of English as a Second Language, University of Hawaii, Honolulu, Hawaii 96822.
- HIGBEE, PROF. EDWARD C (OUNSELMAN). Geography. See A-K Vol, 11th ed, Soc. & Behav. Vols. New information: Also chmn., 69-, Dept. of Geography, University of Rhode Island, Kingston, R.I. 02881.
- HIGBEE, DR. JAY ANDERS. Social Science, Contemporary Affairs. See 5th ed, Dir. Am. Scholars, Vol. I, Hist.
- HIGBEE, DR. RUTH V (IRGINIA). Psychology. See A-K Vol, 11th ed, Soc. & Behav. Vols. New position & address: Dir. base serv. unit, 70-, Northampton County Mental Health/Mental Retardation Board, 2009 Lehigh St., Easton, Pa. 18042.
- HIGGINS, DR. ALBERT. Sociology. See A-K Vol, 11th ed, Soc. & Behav. Vols. New information: Assoc. prof., 69-, Dept. of Sociology, State University of New York at Albany, Albany, N.Y. 12203.
- HIGGINS, DR. JAMES C (OLEMAN), b. New York, N.Y., July 15, 32; m. 54; c. 5. PSYCHOLOGY. B.A., Fordham, 53; Ph.D. (psychol.), Chicago, 61. Res. assoc. PSYCHOL., Assn. Am. Med. Cos., Ill., 60-61; instr., FORDHAM, 61-63, asst. prof., 63-68, ASSOC. PROF., 68-, acting dir. clin. psychol. prog., 66-68. Lectr., Queens Col. (N.Y.), 63-65. Consult. Vet. Admin., 63-, res. consult., N.Y. Psychiat. Inst. & Columbia Univ., 64-68; consult. psychologist, Vols. in Serv. to Am. Off. Econ. Opportunity, D.C., 66-67; consult. Addiction Serv. Agency, New York, 67-. Adj. Gen. C., U.S.A., 53-55, 1st Lt. Psychol. Asn.

- Personality theory and measurement; assessment methodology; behavior modification; drug addiction. Publ. Co-auth. A pilot evaluation of Deanol in the treatment of anxiety. *Current Therapeut. Res.* 67. Address: Dept. of Psychology, Fordham University, New York, N.Y. 10458.
- HIGGS, DR. ROBERT LARRY, b. Okemah, Okla. Feb. 1, 44; m. 66; c. 1. ECO-NOMICS. B.A. San Francisco State Col. 65; Ph.D. (ed. admin), Hopkins. 68. ASST. PROF. ECON. WASHINGTON (SEATTLE). 68. Econ. Assn; Econ. Hist. Assn. American economic history; urban history; historical demography. Publ: The growth of cities in a Midwestern region, 1870-1900. J. Regional Sci. 69; Railroad rates and the populist uprising. *Agr. Hist.* 7/70; co-auth. Colonial New England demography: a sampling approach, William & Mary Quart. 70. Address: Dept. of Economics, University of Washington, Seattle, Wash. 98105.
- HIGHTOWER, PROF. JAMES K(AY), b. Kalamazoo, Mich. Mar. 22, 35; m. 57; c. 2. ECONOMETRICS, APPLIED MATHEMATICS. B.A. Kalamazoo Col. 58; Nat. Defense Ed. Act. fel. Claremont Grad. Sch. 61-64, M.A. 67. Teacher, Pomona Unified Sch. Dist. 59-61; ASST. PROF. math. & econ. Richmond, 64-67; ECON. CALIF. STATE POLYTECH COL. KELLOGG-VOORHIS CAMPUS. 67- Lectr. Claremont Grad. Sch. 67-; Calif. State Col. Fullerton, 67- Soc. Indust. & Appl. Math. Math. Assn. Am; Economet. Soc; Econ. Assn. Math.ematical programming, particularly in the area of decomposition theory and decentralized decision systems; computer simulation techniques. Address: Dept. of Economics, California State Polytechnic College, Kellogg-Voorhis Campus, Pomona, Calif. 91766.
- HILDEBRAND, PROF. GEORGE H. Economics. See A-K Vol. 11th ed, Soc. & Behav. Vols. New information: On leave from Cornell as dep. under secy. 69-, U.S. Dept. Labor, 14th & Constitution Ave. N.W., Washington, D.C. 20210.
- HILDEBRAND, DR. PETER E(DWARD). Agricultural Economics. See A-K Vol. 11th ed, Soc. & Behav. Vols. New information: Also prof. leader, Univ. Nebraska Mission in Colombia, 69- Address: Apartado Aereo 12031, Bogotá, D.E. 1, Colombia.
- HILDRETH, DR. R(OLAND)(JAMES). Agricultural Economics. See A-K Vol. 11th ed, Soc. & Behav. Vols. New position: Mgr. dir. 70-, Farm Foundation, 600 S. Michigan Ave, Chicago, Ill. 60605.
- HILER, DR. EDWARD WESLEY. Psychology. See A-K Vol. 11th ed, Soc. & Behav. Vols. Change of address: San Francisco College for Women, 2800 Turk St., San Francisco, Calif. 94118.
- HILGENDORF, MAJ. ROBERT LEE, U.S.A.F. b. San Jose, Ill. Dec. 9, 36; m. 57; c. 3. ENGINEERING PSYCHOLOGY, SOCIOLOGY. A.B. Southern Illinois. 58. M. A. 59. M.S. Purdue. 63. Ed. Trustees scholar, Tufts. 64-67. U.S. AIR FORCE, 59-, statist. officer, electronic data processing develop. Strategic Air Command, 59-62, human engr. personnel subsys. Electronic Sys. Dir. 63-66, RES. PSYCHOLOGIST, AEROSPACE MED. RES. LAB. 68- Lectr. Air Force Inst. Tech. 68; Wittenberg Univ. 69- Human Factors Soc. Effects of low levels of illumination on visual performance and the optimal signal colors, in terms of visual detection, against contrasting background colors. Address: 1895 Campus Dr. Fairborn, Ohio 45324.
- HILL, DR. AL(WYN) SPENCER. Political Science, Sociology. See A-K Vol. 11th ed, Soc. & Behav. Vols. New position & address: Head, 69-, Dept. of Social Sciences, Michigan Technological University, Houghton, Mich. 49931.
- HILL, DANIEL A. Economics. See 11th ed, Soc. & Behav. Vols. deceased 69.
- HILL, DR. JAMES EDWIN, Jr. Geography. See A-K Vol. 11th ed, Soc. & Behav. Vols. New publ: Modern college physical geography, Col. Notes, 69. Address: Dept. of Geography, Oregon College of Education, Monmouth, Ore. 97361.
- HILL, PROF. JUDSON WILLIAM, b. Olean, N.Y. Feb. 12, 18; m. 55. SOCIOLOGY. A.B. Colgate, 51. M.A. 54; Ph.D. (ed. admin), Cornell, 68. Teacher & coach, Boonville Sch. N.Y. 52-54; exec. dir. Youth Bur. City of Ithaca, 54-58; asst. prof. ed. Ithaca Col. 58-61; asst. dean students, 61-64; assoc. prof. SOCIOL. SLIPPERY ROCK STATE COL. 65-68. U.S.A. 42-45. Sociol. Assn; Rural Sociol. Soc. Acad. Polit. & Soc. Sci. Anomia among college students; use of small group techniques, competition and play in the college classroom. Address: 7 Sibley Ave, Franklin, Pa. 16323.
- HILL, DR. KENNEDY THOEN. Psychology. See A-K Vol. 11th ed, Soc. & Behav. Vols. New position: Assoc. prof. psychol. 69-, University of Illinois, 609 Psychology Bldg, Champaign, Ill. 61820.
- HILL, DR. KENNETH CUSHMAN. Linguistics. See 5th ed, Dir. Am. Scholars, Vol. III, For. Lang. Ling. & Philol.
- HILL, LAWRENCE S. Operations Research, Industrial Engineering. See A-K Vol. 11th ed, Soc. & Behav. Vols. New information: Prof. mgt. sci., California State Los Angeles, 69-; consult. Planning Res. Corp. 69-, sr. consult. Comput. Appln. Inc. 69- Address: 3653 Oceanhill Way, Malibu, Calif. 90265.
- HILL, DR. LOWELL DEAN, b. Delta, Iowa, Apr. 27, 30; m. 51; c. 2. AGRICULTURAL ECONOMICS. B.S. Iowa State, 51; M.S. Mich. State, 61. Ph.D. (Agr. econ). 63. Instr. pub. schs. Iowa, 51-55; self-employed, Iowa, 55-59; asst. prof. agr. econ. exten. ILLINOIS, URBANA, 63-65, GRAD. MKT. 65-67, ASSOC. PROF. 67- U.S.A. 52-54. Agr. Econ. Assn. Market structure; vertical integration; use of contracts in marketing and production; grain marketing; economic relationships of harvesting, conditioning, and marketing corn. Publ: Agricultural Market planning in resource development, Univ. Ill. 65. A bargaining model for predicting price adjustments to technological change, J. Farm Econ. 66; Information gaps and research problems, Econ. Conglomerate Growth, 69. Address: 415 Mumford Hall, University of Illinois, Urbana, Ill. 61801.
- HILL, PROF. MOZELL C(LARENCE). Sociology. See 11th ed, Soc. & Behav. Vols. deceased 69.
- HILL, PROF. RANCELL DUANE, b. Akron, Ohio, Sept. 11, 20; m. 49; c. 2. SOCIOLOGY. A.B. Akron, 47; M.S. Western Reserve, 49, John R. Mott fel. Case Western Reserve, 59-61. Asst. gen. secy. YMCA, Akron, Ohio, 49-59; instr. soc. group work, Western Reserve, 60-61; ASSOC. PROF. SOCIOL. KENT STATE, 61- Summers, dir. cottage life, Methodist Children's Home, Berea, Ohio, 61 & mem. coun. soc. work ed. U.S. Children's Bur., Washington (Seattle). 67. U.S.A.A.F. 42-46, Sgt. Nat. Assn. Soc. Workers; Coun. Soc. Work Ed. Conceptual model building and the application of these models in decision-making; sociology of communication systems such as citizen's band radio and noise; administrative theory in formal organizations, especially social work. Publ: Co-auth. Psychology today, Addison-Wesley, 70; auth. Conceptual models and social work analysis, Kent State Univ. 70; A societal model for defining practitioner roles in social work, Soc. Worker, 69. Address: Dept. of Sociology & Anthropology, Kent State University, Kent, Ohio 44224.
- HILL, PROF. RICHARD M. b. Shelbyville, Ind. Nov. 25, 23; m. 52; c. 4. BUSINESS ADMINISTRATION. B.A. Columbia, 48, M.A. 49, Ph.D. (econ. bus. admin), 57. Sales analyst, Omar Baking Co. 49-50; instr. econ. Purdue, 50-52; mkt. specialist, Traffic Serv. Corp. 54-55; assoc. in mkt. grad. sch. bus. admin. Columbia, 55-56; asst. prof. MKT. COL. COMMERCE & BUS. ADMIN. ILLINOIS, URBANA, 57-59, assoc. prof. 60-63, PROF. 63-, DIR. PH.D. PROG. DEPT. BUS. ADMIN. 69-, asst. dean, col. commerce & bus. admin. 63-65, assoc. dir. grad. sch. bus. admin. 65-68. U.S.A.F. 42-46, Capt. Mkt. Assn. (v-pres. 67); Acad. Mgt; Econ. Assn; Inst. Mgt. Sci. Wholesale; industrial marketing; market development; business policy. Publ: Wholesaling management, 63 & co-auth. Industrial marketing, 67; Irwin; auth. What do do about the house, Harvard Bus. Rev. 1-2/56. Address: 304 David Kinley Hall, University of Illinois, Urbana, Ill. 61801.
- HILL, PROF. ROBERT LELAND. Economics. See A-K Vol. 11th ed, Soc. & Behav. Vols. New position: William R. Perkins Jr. prof. econ. 69-, Dept. of Economics, Lynchburg College, Lynchburg, Va. 24504.
- HILL, W(ILLIAM) HOBART. Human Relations. See A-K Vol. 11th ed, Soc. & Behav. Vols. Correction: Retired, Mo. Valley Col. 67. Address: 865 S. Salt Pond, Marshall, Mo. 65340.
- HILL, PROF. WINFRED F(ARRINGTON). Psychology. See A-K Vol. 11th ed, Soc. & Behav. Vols. New position: Prof. 68-, Dept. of Psychology, Northwestern University, Evanston, Ill. 60201.
- HILLIARD, DR. SAM BOWERS, b. Bowersville, Ga. Dec. 21, 30; m. 55; c. 2. GEOGRAPHY, HISTORICAL GEOGRAPHY. A.B. Georgia, 60. M.A. 61; Nat. Sci. Found. summer fel. Wisconsin, Madison, 62. M.S. 63, Univ. fel. 64-65, univ. summer grant & Ph.D. (geog.) 66. Instr. GEOG. Wisconsin, 65-67; ASST. PROF. SOUTHERN ILLINOIS, 67- Nat. Endowment for Humanities & Am. Philos. Soc. travel grant, 69. Assn. Am. Geog. Am. Geog. Soc; Agr. Hist. Soc. Historical geography; American agricultural history. Publ: Pork in the ante-bellum South, Assn. Am. Geog. 69; Food habits in the old South, Am. Philos. Soc. 69. Address: Dept. of Geography, Southern Illinois University, Carbondale, Ill. 62901.
- HILLIX, PROF. WILLIAM ALLEN, Psychology. See A-K Vol. 11th ed, Soc. & Behav. Vols. New position & address: Prof. psychol. 69-, Dept. of Psychology, San Diego State College, San Diego, Calif. 92115.
- HILPERT, PROF. ELMER E(RNEST), Law. See 5th ed, Dir. Am. Scholars, Vol. IV, Philos. Relig. & Law.
- HILTNER, PROF. SEWARD. Pastoral Theology. See 5th ed, Dir. Am. Scholars, Vol. IV, Philos. Relig. & Law.
- HILTS, DR. VICTOR L. History of Science & Social Science. See 5th ed, Dir. Am. Scholars, Vol. 1, Hist.
- HILTY, DR. DONALD P. Economics, Finance. See A-K Vol. 11th ed, Soc. & Behav. Vols. New position & address: Mgr. mkt. res. Chrysler Int. S.A. 69- Address: P.O. Box 158, 1211 Geneva 24, Switz.
- HILTZ, DR. STARR ROXANNE, b. Little Rock, Ark. Sept. 7, 42; m. 63. SOCIOLOGY. A.B. Vassar Col. 63; M.A. Columbia, 64. Ph.D. (sociol). 69. Sociologist, U.S. Army, 67; res. analyst, Prudential Ins. Co. Am. 67-; ASST. PROF. SOCIOL. 69- Consult. Just. Econ. Bk. Inc. 69-70; spec. consult. Prudential Ins. Co. Am. 69- Sociol. Assn; Assn. Pub. Opin. Res. Survey research; economic and political sociology; social change. Publ: Opinion survey..., U.S. Army, 67; Industrialization and social change, Columbia Grad. Sociol. Soc. J. 65. Address: 1531 Golf St, Scotch Plains, N.J. 07076.
- HIMMELSTEIN, DR. SEYMOUR. Economics. See A-K Vol. 11th ed, Soc. & Behav. Vols. New position: Sr. economist. Int. Bus. Mach. Corp. 68- Address: 2621 Palisade Ave, Bronx, N.Y. 10463.
- HINDLEY, DR. DONALD, b. Manchester, Eng. July 3, 33; m. 57. POLITICAL SCIENCE. B.A. Leeds, 53, dipl. 54; M.A. Southern California, 58; fel. Australian Nat. Univ. 61-62, Ph.D. (polit. sci.) 62. Lectr. hist. Adelaide, 61; asst. prof. POLIT. SCI. BRANDEIS, 62-67, ASSOC. PROF. 67- Rockefeller Found. sys. prof. Indonesia & Thailand, 66-68. Assn. Asian Studies; Wilder-essence. The politics of the non-Western state, specifically Southeast Asia and Latin America. Publ: The Communist Party of Indonesia, 1951-1963, Univ. Calif. 64. Address: Dept. of Politics, Brandeis University, Waltham, Mass. 02154.
- HNELINE, DR. PHILIP (NEIL), b. Rice Lake, Wis. May 29, 40; m. 65. EXPERIMENTAL PSYCHOLOGY. B.S. Hamilton Col. 62; Nat. Inst. Health, fel. Harvard, 63. Ph.D. (psychol). 67. Res. psychologist, Walter Reed Army Inst. Res. 66-69; ASST. PROF. PSYCHOL. TEMPLE, 69- Lectr. American

- Univ. 68-69. Med. Serv. C, U.S.A., 64-69, Capt. AAAS; Psychol. Assn. Learning processes; aversively-controlled behavior; motivation and emotion; psychology of music; ethological-psychological relations. Publ: Co-auth. Negative reinforcement as shock-frequency reduction, 66. The role of temporal discriminations in discrete-trial and free-operant avoidance, 70 & auth. Negative reinforcement without shock reduction, 70. J. Exp. Anal. Behav. Address: Dept. of Psychology, Temple University College of Liberal Arts, Philadelphia, Pa. 19122.
- HINKLE, DR. DENNIS M. b. Akron, Ohio, June 21, 35; m. 59; c. 3. CLINICAL PSYCHOLOGY. B.A., Ohio State, 59, M.A., 62, Ph.D. (clin. psychol.), 65. Fel. clin. psychol., Clark Univ. & Worcester State Univ. 65-66; asst. dir., Worcester State Hosp. 66-67. ASST. PROF. PSYCHOL., COLORADO, 67-. U.S.A., 55-57. Psychol. Assn. Psychology of human inquiry; personality theory and measurement; psychotherapy; philosophical psychology. Address: Dept. of Psychology, University of Colorado, Boulder, Colo. 80302.
- HINKLE, DR. GISELA J. Sociology. See A-K Vol. 11th ed, Soc. & Behav. Vols. New position: Res. assoc. dept. sociol. Temple, 69-. Address: 234 Roberts Ave, Glenside, Pa. 19038.
- HINKLE, DR. JOHN EDWARD. Psychology. See A-K Vol. 11th ed, Soc. & Behav. Vols. New information: Also assoc. dir., 69-. Counseling Center, Colorado State University, Ft. Collins, Colo. 80521.
- HINOMOTO, DR. HIROHIDE, b. Tokyo, Japan. MANAGEMENT SCIENCE, ECONOMICS. B.B.A., Michigan, 52, M.B.A., 54, M.S., 55, Ph.D. (ind. eng.), 63. Data analyst, inst. soc. res., Michigan, 59-61, asst. res. engr. ment. health res. inst., 61-63; asst. prof. ind. admin., ILLINOIS, URBANA, 63-67, ASSOC. PROF. FBUS. ADMIN., 67-. Ford Found. faculty res. fel. econ. & bus. 65-66. Econ. Assn; Inst. Mgt. Sci.; Oper. Res. Soc. Am. Capacity expansion of capital facilities; management control of organization activities. Publ: Co-auth. Simulation of ecological relationships, Behav. Sci., 1/64; auth. Capacity expansion with facilities under technological improvement, Mgt. Sci., 3/65; co-auth. Inspection for weapons production, J. Peace Res., 5/67. Address: 315 Commerce West, University of Illinois, Urbana, Ill. 61801.
- HINSHAW, DR. C. ELTON, b. Texarkana, Ark., Aug. 2, 36; m. 57; c. 3. ECONOMICS. B.B.A., Baylor, 58; Ph.D. (econ.), Vanderbilt, 66. Assoc. prof. ECON. La. Col., 62-64; instr. VANDERBILT, 64-66, ASST. PROF. 66-. Vis. prof., Getulio Vargas Found., Rio de Janeiro, Brazil, 67-69. Econ. Assn. Money, economic development and growth. Publ: Co-auth. Workbook for principles of economics, Allyn, 66 & Forecasting and recognizing business cycle turning points, Nat. Bur. Econ. Res., 68. Address: Dept. of Economics, Vanderbilt University, Nashville, Tenn. 37203.
- HINTON, DR. BERNARD LLOYD, b. Detroit, Mich., Mar. 26, 37; m. 60; c. 2. ORGANIZATIONAL BEHAVIOR, SOCIAL PSYCHOLOGY. B.S. Wayne State, 60, M.B.A., 62; Stanford-Sloan fel., Stanford, 62-64, univ. fel., 64-65, Ph.D. (org. behav.), 66. Asst. prof. ORGN. BEHAV., INDIANA, BLOOMINGTON, 66-69, ASSOC. PROF., 69-. Mem. bd. dirs., Am. Coun. on Ed. Stimulation & Gaming, 69-. Psychol. Assn; Indust. Res. Assn; Acad. Mgt. Publ: Groups and organizations: integrated readings in the analysis of social behavior, Wadsworth, 71. An empirical investigation of the Herzberg methodology and two-factor theory, Orgn. Behav. & Human Performance, 8/68 & Environmental frustration and creative problem solving, J. Appl. Psychol., 68. Address: Dept. of Organizational Behavior, Graduate School of Business, Indiana University, Bloomington, Ind. 47401.
- HIPPLER, DR. ARTHUR E. b. St. Louis, Mo., Aug. 25, 35; m. 56; c. 2. ANTHROPOLOGY. B.A., California, Berkeley, 63, Ph.D. (anthrop.), 68. Teaching assoc. soc. sci., California, Berkeley, 66-67; asst. prof. ANTHROP., ALASKA, 67-69, ASSOC. PROF., 69-. Nat. Inst. Ment. Health fel., 68-69. U.S.A., 56-60. AAAS; Anthropol. Assn. Culture and personality; acculturation. Publ: Hunters point: a black ghetto, Basic Books, 70; co-auth. Cultural psychology: comparative studies of human behavior, In: Handbook of social psychology, Addison, 69; auth. Suicide: some transcultural psychiatric aspects, Transcult. Psychiat. Res., 69. Address: Institute of Social Economy & Government Research, University of Alaska, College, Alaska 99701.
- HIRSCH, DR. CHARLES B (BRONISLAW). Political Science. See A-K Vol. 11th ed, Soc. & Behav. Vols. Change of address: 4605 Barbara Dr, Beltsville, Md. 20705.
- HIRSCH, DR. ERNEST A (LBERT). Psychology. See A-K Vol. 11th ed, Soc. & Behav. Vols. New position: The troubled adolescent, Int. Univ., 69. Address: 3601 Hutton, Topeka, Kans. 66604.
- HIRSCH, DR. HERBERT, b. New York, N.Y., Apr. 29, 41; m. 63; c. 2. POLITICAL SCIENCE. B.A., Concord Col., 63; M.A., Villanova, 65; Ph.D. (polit. sci.), Kentucky, 67. Res. asst. pol. sci., Villanova, 63-65; Kentucky, 65-68; ASST. PROF. GOVT., TEXAS, AUSTIN, 68-. Polit. Sci. Assn. Political socialization. Publ: Poverty and politicization & co-auth. Comparative legislative systems, Free Press, 70; The malevolent leader, Am. Polit. Sci. Rev., 6/68. Address: Dept. of Government, University of Texas, Austin, Tex. 78712.
- HIRSCH, DR. LEON VICTOR. Economics, Business Administration. See A-K Vol. 11th ed, Soc. & Behav. Vols. New position & address: Proj. mgr. New Ventures, 69-, Xerox Corp., Stamford, Conn. 06904.
- HIRSCH, PROF. WERNER Z (VI). Economics. See A-K Vol. 11th ed, Soc. & Behav. Vols. New publ: The economics of state and local government, McGraw-Hill, 70. Address: Dept. of Economics, University of California, Los Angeles, Calif. 90024.
- HIRSCHI, DR. TRAVIS, b. Rockville, Utah, Apr. 15, 35; m. 55; c. 3. SOCIOLOGY. B.S., Utah, 57, M.S., 58; Ph.D. (sociol.), California, Berkeley, 66. ASSOC. PROF. SOCIOLOGY (SEATTLE), 69. U.S.A., 56-60. Sociol. Assn. Criminology—causes of crime; higher education—student discontent. Publ: Co-auth. Delinquency research: an appraisal of analytic methods, Free Press, 67; auth. Causes of delinquency, Univ. Calif., 69. Address: Dept. of Sociology, University of Washington, Seattle, Wash. 98105.
- HURSHFIELD, DR. DANIEL S. Modern American History. See 5th ed, Dir. Am. Scholars, Vol. 1, Hist.
- HIRT, PROF. HOWARD F (RANKLIN). Geography. See A-K Vol. 11th ed, Soc. & Behav. Vols. New position & address: Prof., 69-, Dept. of Geography, Framingham State College, Framingham, Mass. 01701.
- HIRT, DR. JOHN B. b. Pittsburgh, Pa., Mar. 5, 28; m. 50; c. 5. ENGINEERING, MANAGEMENT SCIENCE. B.S., Pittsburgh, 51, M.B.A., 60, Ph.D. (mgt. sci.), 64. Engr. analyst, Johnstown Machine Shop, U.S. Steel Corp., 51, engr. Johnstown Foundry, 53-56, prov. engr., Ambridge Bridge Plant, 56-59, construct. oper., Am. Bridge Div., 59-65; assoc. prof. mgt. Calif. State Polytech. Col., 65-68, acting dean sch. eng., 66-67; PRES. COMMUNITY COL. BEAVER COUNTY, 68-. Consult. & mgt. adv. bd. suprvs., San Luis Obispo County, Calif., 66-68; consult. & mem. bd. dirs., Data Facts Corp. Am. Santa Barbara & Liquid Film Corp., San Luis Obispo, 67-. U.S.M.C., 46-47, Res., 47-, Lt. Col. Soc. Eng. Ed. Welding Soc. sr. mem. Inst. Indust. Eng. Nat. Soc. Prflng. Eng. Application of mathematics and computer science to the solution of problems and management decision making; applied science to industrial military and academic problems. Address: Community College of Beaver County, Freedom, Pa. 15042.
- HISCOCK, WILLIAM MC CONWAY, b. New Haven, Conn., Jan. 25, 23; m. 49; c. 2. PUBLIC HEALTH, POLITICAL SCIENCE. B.A., Yale, 43; M.S., Wesleyan, 52. Res. analyst, chief admin. off., County of Los Angeles, 47-50; asst. prof. pub. health res. sch. med. Yale, 50-53; med. care adminstr., United Mine Workers Am. Welfare & Retirement Fund, 53-60; adminstr. Rip Van Winkle Clin., Columbia County, N.Y., 60-63; chief liaison serv. div. pub. health services, off. surgeon gen., U.S. Pub. Health Serv., 63-65; dep. dir. planning eval., 65-68, assoc. dir. planning & eval. health serv. & ment. health admin., 68-69; DIR. COMP. HEALTH PLANNING, REGIONAL PLANNING COUN. BALTIMORE, MD., 69-. Assoc. sch. hyg. & pub. health, Hopkins, 69-. Exec. consult., Hygeia Facilities Found., 57-60; dir. Am. Asn. Area-wide Health Planning SCH. BUS. Superior Serv. Admin. Div., Dept. of Educ. & Welfare, 67. U.S.A., 42-67, Maj. Fel. Pub. Health Assn. Soc. Pub. Admin. Soc. Mgt. Pub. Health. Manpower development and use in public health: intergovernmental relations for health programming; planning, programming, and budgeting in health affairs. Publ: Urban and regional frameworks for health planning, Pub. Health Reports 3/70. Address: 4 Southgate Ave, Annapolis, Md. 21401.
- HITCH, DR. THOMAS K (EMPER). Economics. See A-K Vol. 11th ed, Soc. & Behav. Vols. New position: Sr. v.pres. & dir. econ. res., 69-. First Hawaiian Bank, 161 S. King St., Honolulu, Hawaii 96813.
- HITCHCOCK, DR. CHARLES BAKER. Geography. See 11th ed, Soc. & Behav. Vols., deceased 69.
- HITCHENS, COL. HAROLD LEE. United States History, American Foreign Policy. See 5th ed, Dir. Am. Scholars, Vol. 1, Hist.
- HITCHIN, DR. DAVID E (DWARD), b. Edmonton, Alta., Sept. 22, 39; m. 63; c. 1. BUSINESS ADMINISTRATION. B.A., Alberta, 60; dipl. Stockholm, 61; M.B.A., California, Los Angeles, 63, Ph.D. (int. bus.), 65. Asst. to dean, grad. sch. bus., California, Los Angeles, 62-65; asst. prof. bus., Kansas, 65-67; mgt. SOUTHERN CALIFORNIA, 67-69, ASSOC. PROF. MGT. GRAD. SCH. BUS. & SOC. DEAN SCH. BUS., 69-. Mgt. consult., NASA, 67. U.S. Post Off. 68-69, Security Pac. Bank, 68-69, Olga Corp., 69-. Acad. Mgt. Assn. Int. Bus. Soc. Int. Develop. International management; organization theory; business policy; organizational behavior. Publ: Pressures on key executives overseas, Bus. Horizons, 67; The international specialists, Adv. Mgt., 68; co-auth. Attitudes of post office employees toward working conditions and relationships, USCRIBE, 69. Address: 4117 Via Picaposte, Palos Verdes Estates, Calif. 90274.
- HITT, DR. JOHN CHARLES, b. Houston, Tex., Dec. 7, 40; m. 61; c. 2. PSYCHOLOGY. A.B., Austin Col., 62; Danforth & Nat. Sci. Found. fels. Tulane, 62-66, M.S., 64, Ph.D. (psychol.), 66. Asst. prof. PSYCHOL., Tulane, 66-69; ASSOC. PROF. TEXAS CHRISTIAN, 69-. Interim prin. investr. Nat. Insts. Health grant, 66-67, co-investr., 67-69; prin. investr., Texas Christian Univ. Res. Found. grant, 69-. Psychol. Assn; Animal Behav. Soc. Neural and hormonal mechanisms of reproductive behavior. Publ: Co-auth. Simple and complex learning in rats reared socially or in isolation, 66 & Detection of estrous activity cycles in rats by daily one-hour samples of running behavior, 68. Psychonomic Sci. & Effect of brain stimulation on estrous activity cycles, Psychol. Reports, 69. Address: Dept. of Psychology, Texas Christian University, Ft. Worth, Tex. 76129.
- HITTLE, DR. ELIZABETH (JOYCE). Speech Pathology, Audiology. See A-K Vol. 11th ed, Soc. & Behav. Vols. Change of address: Dept. of Speech Pathology & Audiology, University of Akron, Akron, Ohio 44304.
- HIXSON, PROF. FLOYD M (ARCUS). Genetics, Poultry Husbandry. See Suppl. VI to 11th ed, Phys. & Biol. Vols.
- HJELM, DR. HOWARD F (RANZ). Psychometrics. See A-K Vol. 11th ed, Soc. & Behav. Vols. New position: Dir. div. educ. labs., U.S. Off. Ed., 68-. Address: 3457 Mildred Dr., Falls Church, Va. 22042.
- HO, DR. C (HNG) J (U). Psychology. See A-K Vol. 11th ed, Soc. & Behav. Vols. New position: Prof., 70-, Dept. of Psychology, University of Tampa, Tampa, Fla. 33606.
- HOADLEY, DR. JOHN STEPHEN, b. Bloomington, Ind., Sept. 25, 37; m. 69. POLITICAL SCIENCE. B.Sc., Purdue, 58; M.A., Calif. State Col., Los Angeles, 64; Ph.D. (polit. sci.), California, Santa Barbara, 68. ASST. PROF. POLIT. SCI., WASHINGTON (ST. LOUIS), 68-. U.S.N., 58-60, Lt. (jg). Political development of Asian nations; influence of American black people on United

States policy toward Africa. Publ: Hong Kong is the lifeboat: notes on political culture and socialization in Hong Kong. J. Orient. Studies, 1/70. Address: 7236 Tulane, University City, Mo. 63130.

HOADLEY, DR. WALTER E(VANS). Economics. See A-K Vol, 11th ed, Soc. & Behav. Vols. New information: L.L.D. Golden Gate Col. 68. Exec. v-pres. & chief economist, Bank of America NT&SA, San Francisco, 68-. Address: 300 Montgomery St, San Francisco, Calif. 94120.

HOAR, PROF. JERE RICHMOND, b. Dyersburg, Tenn., Oct. 23, 29; m. 54; c. 3. JOURNALISM. B.S. Auburn, 51; Texas Tech. Col. 52; M.A. Mississippi, 54; Ph.D. (mass comm.), Iowa, 60. News ed, Oxford Eagle, J. South. Commerce, Miss., 53-54; ed, Iowa Publisher, Univ. Iowa, 54-56; asst. prof. JOURNALISM, MISSISSIPPI, 56-59; assoc. prof., 59-67. PROF. 67. U.S.A.F. 51-53. Asn. Ed. in Journalism. Mass media use by the aged; law as it relates to the press; subliminal perception. Publ: Ed, Erosion Control, U.S. Dept. Agr., 62; auth, Mississippi Newspapers and the Law, Univ. Miss., 68; The semantic differential as a measure of subliminal message effects, J. Psychol., 65. Address: Woodson Ridge Rd, Oxford, Miss. 38655.

HOATS, DAVID LEE, b. Wilkes-Barre, Pa., July 22, 30. EXPERIMENTAL PSYCHOLOGY. B.A., Wilkes Col. 55; M.A., New Sch. Soc. Res., 58. Cottage father disturbed adolescents, Pleasantville Sch. Jewish Child Care Assn. of Greater New York, N.Y., 55-56; employ. placement couns., voc. serv. center, Young Men's Christian Assn. of Greater New York, Manhattan, 57-59; res. asst. exp. psychol. Training Sch. at Vineland, N.J., 59-60; res. psychologist, E.R. Johnstone Training & Res. Center, 60-63; RES. SCIENTIST, Letchworth Village, Thiels, N.Y., 64; E.R. JOHNSTONE TRAINING & RES. CENTER, 64. U.S.A.F. 48-49, 49-58. AAAS; Psychol. Assn.; Asn. Ment. Deficiency; Soc. Psychophysiol. Res. Classic problems of visual perception; modification of behavioral disorders by operant techniques; development of electronic, optical and mechanical instrumentation for use by behavioral scientists. Publ: An inexpensive electronic switch for audio frequencies, Am. J. Psychol., 3/66; co-auth, Associative symmetry with two conditions of perceptual organization, Psychonomic Sci., Vol. 4, No. 10 & Vertical eye movement and space perception, J. Exp. Psychol., 69. Address: E.R. Johnstone Training and Research Center, Bordenstown, N.J. 08055.

HOBBAR, DR. REGINALD V(VVYAN). Economics. See A-K Vol, 11th ed, Soc. & Behav. Vols. Change of address: 11 Glenn Hollow Lane, West Simsbury, Conn. 06092.

HOBS, DR. JAMES B(EVERLY), b. Topeka, Kans., Sept. 9, 30; m. 57; c. 2. BUSINESS ADMINISTRATION. B.A., Harvard Col. 52; M.B.A., Kansas, 57; fel., Indiana, 60-62; D.B.A., 62. Financial analyst & cost specialist, Hotpoint Div. Gen. Elec. Co. Ill., 57-60; asst. prof. bus. admin., Kansas State, 62-66; asst. to dean, 62-64; assoc. dean, 64-66; assoc. prof. acct. & mgmt. sci., dept. bus. admin., LEHIGH, 66-70. PROF. ACCT. & MGT. & CHM. DEPT. MGT. & FINANCE, COL. BUS. & ECON. 70. U.S.A., 52-54. Management and accounting: industrial and economic research studies; analyses of mid-west. Publ: Volume-mix-price-cost budget variance analysis: a proper approach, 10/64 & Double-entry and working capital analysis, 10/66. Acct. Rev.; Useful applications of earth-oriented satellites: summaries of panel reports, Panel 12, Nat. Acad. Sci., 69. Address: Dept. of Business Administration, Lehigh University, Bethlehem, Pa. 18015.

HOBSON, DR. JAMES RICHARD. Educational Psychology. See A-K Vol, 11th ed, Soc. & Behav. Vols. New position: Consult. adult health, Brookline Mass. Dept. Pub. Health, 69-. Address: 463 Boylston St, Newton Centre, Mass. 02159.

HOBSON, DR. J(ONN) ALLAN. Psychiatry, Neurophysiology. See Suppl. V & VI to 11th ed, Phys. & Biol. Vols.

HOCHBAUM, DR. GODFREY M(ARTIN). Social Psychology. See A-K Vol, 11th ed, Soc. & Behav. Vols. New position: Dir. inst. studies, nat. center health serv. res. & develop., U.S. Pub. Health Serv., 69-. Address: 5602 Asbury Court, Alexandria, Va. 22312.

HOCHBAUM, DR. JERRY. Sociology, Social Work. See A-K Vol, 11th ed, Soc. & Behav. Vols. New position: Consult. Nat. Community Reels. Adv. Coun., 68-. Address: 475 F.D.R. Dr, New York, N.Y. 10002.

HOCHMAN, DR. HAROLD M, b. New Haven, Conn., Jan. 15, 36; m. 58; c. 1. ECONOMICS. B.A., Yale, 57; Boies fel., 57-58; Boies-Kilborn fel., 58-59; M.A., 59, Gerard Swope & Gen. Elec. Found. fel., 60-61, Ph.D. 65. Asst. econ. Yale, 59-60; instr., 61-62; fiscal economist, oil, tax anal. off. secy. U.S. Treasury Dept., 63; res. & instr., Inst. Defense Anal., Arlington, Va., 63-65; ASST. PROF. ECON. VIRGINIA, 65-. DIR. STUDIES IN URBAN PUB. FINANCE, URBAN INST., 69. Res. grants, Nat. Sci. Found., Virginia, 65-67, summer, 68, Einatid Found. Bank of Italy, Turin, Italy, 68, Nat. Sci. Found., 69-71. Consult. econ. & polit. studies div., Inst. Defense Anal., 65-67; Dept. Undersecy. State for Admin., 66-67; Asst. Admin. for Prog. Coord. Agency Int. Develop., 66-69. Econ. Assn.; Int. Inst. Pub. Finance. Public finance; economic theory. Publ: Co-ed, Readings in microeconomics, Holt, 68; auth, Some aggregate implications of depreciation acceleration, Yale Econ. Essays, spring 66; co-auth, Pareto-optimal redistribution, Am. Econ. Rev., 9/69 & A dilemma of military assistance planning; grant aid on credit sales, J. Develop. Areas, 7/70. Address: The Urban Institute, 2100 M St. N.W., Washington, D.C. 20037.

HOCKINGS, DR. PAUL (EDWARD). Anthropology. See A-K Vol, 11th ed, Soc. & Behav. Vols. New position & address: Asst. prof., 70-. Dept. of Anthropology, University of Illinois, Chicago Circle, Box 4348, Chicago, Ill. 60680.

HODGDON, DR. LINWOOD L(AMB). Sociology, Anthropology. See A-K Vol, 11th ed, Soc. & Behav. Vols. Change of address: Dept. of Sociology, Colorado State University, Ft. Collins, Colo. 80521.

HODGES, PROF. DONALD CLARK. Philosophy. See 5th ed, Dir. of Am. Scholars, Vol. IV, Phils., Relig. & Law.

HODGETTS, PRES. J(ONN) E(DWIN). Political Science. See A-K Vol, 11th ed, Soc. & Behav. Vols. New position: Pres., 70-, Victoria College, University of Toronto, Toronto, Ont., Can.

HODGETTS, DR. RICHARD M, b. Bronx, N.Y., Mar. 10, 42. MANAGEMENT. B.S., N.Y. Univ. 63; M.B.A., Indiana, 64; Ph.D. (mgmt), Oklahoma, 68. ASSOC. PROF. MGT. NEBRASKA, LINCOLN, 66-. Consult. Off. Econ. Opportunity, 67-. Acad. Mgt. Project management; simulation gaming for business purposes; manpower development and the hard core unemployed. Publ: Leadership techniques in the project organization, Acad. Mgt. J., 6/68; Management gaming for didactic purposes: a new look, Simulation & Games, 70; co-auth, Government and business: partners in social action. Labor Law J., 12/69. Address: Dept. of Management, University of Nebraska, Lincoln, Nebr. 68508.

HODGINS, DR. BRUCE W. Canadian & Commonwealth History. See 5th ed, Dir. Am. Scholars, Vol. I, Hist.

HODGSON, JAMES B(ARKER), JR. Operations Research, History. See A-K Vol, 11th ed, Soc. & Behav. Vols. New position: Pres., Ability Develop. Serv. Inc., 68-. Address: 506 A St. S.E., Washington, D.C. 20003.

HOENIG, DR. JULIUS. Psychiatry. See 12th ed, Phys. & Biol. Vols.

HOENIG, MITCHELL O. Low Temperature Physics, Cryogenic Engineering. See Suppl. VI to 11th ed, Phys. & Biol. Vols.

HOFF, DR. THEODORE A, b. Stirum, N.Dak., Oct. 19, 35; m. 57; c. 4. AGRICULTURAL ECONOMICS. B.A., Ft. Lewis Col., 64; M.A., Montana State, 65, Ph.D. (agr. econ), 69. Instr. ECON, Montana State, 57-58; ASST. PROF., NORTHERN ARIZONA, 59. U.S.A.F. 54-58. Econ. Assn.; Agr. Econ. Assn. Production economic, microeconomic, macroeconomic, statistics. Publ: Co-auth, An input-output model of Montana, Mont. State Univ. (in press). Address: College of Business, Northern Arizona University, Flagstaff, Ariz. 86001.

HOFFMAN, DR. CARL S(TUART). Experimental Psychology. See A-K Vol, 11th ed, Soc. & Behav. Vols. Change of address: 759 S. Rosalind Dr, Orange, Calif. 92667.

HOFFMAN, FRED S. Economics, Statistics. See A-K Vol, 11th ed, Soc. & Behav. Vols. New position: V-pres, 69-. Laird Systems Inc., 1901 Avenue of the Stars, Suite 1710, Los Angeles, Calif. 90007.

HOFFMANN, PROF. CHARLES. Economics. See A-K Vol, 11th ed, Soc. & Behav. Vols. New information: Also acting provost soc. & behav. sci., State University of New York at Stony Brook, Stony Brook, N.Y. 11790.

HOFFMANN, DR. HELMUT JOACHIM, b. Berlin, Germany, Nov. 9, 29; m. 62; c. 2. PSYCHOLOGY, PHYSIOLOGY. M.A. (theol) & M.A. (psychol), Marburg, 57; Ph.D. (psychol), Innsbruck, 60. Res. assoc. physiol. psychol., Max Planck Inst. Appl. Physiol., Dortmund, Germany, 60-63; U.S. Pub. Health Serv. res. fel. exp. personality, Ed. Testing Serv., Princeton, N.J., 63-65; res. psychologist, Rochester State Hosp., Minn., 65-68; DIR. RES. CLIN. PSYCHOL., WILLMAR STATE HOSP., 68-. Mem. N.A.M. Assn. Alcohol Progs.; Psychol. Assn.; Int. Assn. Appl. Psychol.; German Soc. Psychol. Motivation; perceptual and motor skills; neuropsychology; personality assessment; personality theory; alcoholism and chemical dependency. Publ: Co-auth, Achievement motivation and vigilance, West German Co., 64. Address: Dept. of Clinical Psychology Research, Willmar State Hospital, Willmar, Minn. 56201.

HOFFMANN, PROF. THOMAS R. Business Administration. See A-K Vol, 11th ed, Soc. & Behav. Vols. New information: Also chmn, dept. mgmt. sci., sch. bus. admin., Minnesota, Minneapolis, 69-. Address: 4501 Sedum Lane, Edina, Minn. 55435.

HOFFSOMMER, PROF. HAROLD C(HARLES). Sociology. See A-K Vol, 11th ed, Soc. & Behav. Vols. New information: Emer. prof. social, Maryland, 69-. Address: 6900 Dartmouth Ave, College Park, Md. 20740.

HOFLING, DR. CHARLES KREIMER. Psychiatry. See A-K Vol, 11th ed, Soc. & Behav. Vols. New position: Prof. psychiat. & dir. psychiat. residency training prog, sch. med. St. Louis, 68-. Address: David P. Wohl Memorial Mental Health Institute, 1221 S. Grand Blvd., St. Louis, Mo. 63104.

HOFFMAN, DR. LOUIS JOHN, b. Grand Rapids, Mich., Mar. 9, 32; m. 63; c. 1. EDUCATIONAL PSYCHOLOGY & RESEARCH. B.A., Calvin Col., 55; M.A., Mich. State, 57; Ph.D. (ed), 65. Lab. technician, R.C. Allen Corp., Mich., 55-57; chemist, Guardians Chem., 58-59; res. asst., bur. instr. res. dept. ed. psychol., Mich. State, 59-62; asst. instr. & asst. dir. U.S. Off. Ed. res. proj., 63-64; instr. & co-dir., 64-65; ASST. PROF. ed. eval. & measurement, N.Y. Univ., 65-66; PSYCHOMET., FERKAUF GRAD. SCH. HUMANITIES & SOC. SCI., YESHIVA, 66. Co-dir., U.S. Off. Econ. Opportunity Proj., Western Michigan, 67-69. Consult. Proj. Head Start, U.S. Off. Econ. Opportunity, 65-69; consult. & dir. res. & eval. Bd. Fundamental Ed., New York, 68-69. Psychol. Assn.; Nat. Coun. Measurement in Ed. Relation of teaching variables to learning in preschool children; evaluation and measurement in education; test development. Publ: A case study of the effects of educational deprivation on southern rural Negro children, summer 65 & Some effects of deprivation on intelligence, achievement and cognitive growth, winter 67, J. Negro Ed.; The effects of age, sex, race and socioeconomic status on psychologists estimate of true I.Q., J. Clin. Psychol., 69. Address: 181 Montclair Ave, Montclair, N.J. 07042.

HOGAN, DR. TERENCE P, b. Dubuque, Iowa, May 10, 37; m. 63; c. 3. CLINICAL PSYCHOLOGY. B.A., Loras Col., 59; M.A., Catholic Univ., 61, Ph.D. (psychol), 63. Chief psychol. serv. Vet. Admin. Hosp., Clinton, Iowa, 63-65; asst. prof. bus. admin., Bradley, 65-67; chief psychologist, Marshfield Clin., Wis., 67-68; ASSOC. PROF. PSYCHOL. & ASST. DIR. PSYCHOL. SERV. CENTRE, MANITOBA, 69-. Lectr., Mt. St. Clare Col., 64; Found. Econ. Educ. fel., 66. Consult., Va. Dept. Health, 62-63; Iowa Dept. Voc. Rehab., 63-65; Cent. Ill. Light Col., 66. Psychol. Assn.; Am. Med. Assn. Psycho-

- therapy; psychometrics; neuropsychology. Publ: Co-auth, Business administration: an introduction, Scott, 69; auth, An examination of new IQ norms of the ammons, J. Clin. Psychol, 69; co-auth, An emotional profile of depression, Psychol. Reports, 69. Address: Dept. of Psychology, University of Manitoba, Winnipeg, Man, Can.
- HOGG, DR. THOMAS CLARK, b. Bozeman, Mont, Nov. 29, 35; m. 58; c. 2. ANTHROPOLOGY. B.S., Oregon, 58, M.A., 63, Ph.D. (anthrop), 65. Instr. ANTHROP. Div. Continuing Ed., Eugene, Ore, 64-65; asst. prof. OREGON STATE, 65-69. ASSOC. PROF., 69. Water Resources Res., U.S. Dept. Interior res. grant, 68- Anthropol. consult, Cornell, Howland Hayes & Merryfield, Corvallis, Ore, summer 68. Mem. West. Soc. Res. Adv. Cmt, Farm Found, 66-; bd. dirs., Northwest Center Arts & Sci, 68-; mem. Coun. Ed. & Anthropol, 69. U.S.A., 58-60, Capt. Fel. Anthropol. Assn. Anthropology of development; social and cultural change; modern Africa; new world black cultures. Publ: Toward including ethnological parameters in river basin models, Proc. West. Agr. Econ. Res. Coun, 66; Socio-cultural impacts of water resource development, Water Resources Res. Inst. Ore. State Univ, 68; co-auth, Cultural pluralism and its implications for education, Ed. Leadership, 12/69. Address: Dept. of Anthropology, Oregon State University, Corvallis, Ore. 97331.
- HOHENBERG, DR. PAUL MARCEL, b. Paris, France, Sept. 11, 33; U.S. citizen. ECONOMICS, ECONOMIC HISTORY. B.Ch.E., Cornell, 56; M.A., Tufts, 59; Ph.D. (econ), Mass. Inst. Tech, 63. Asst. prof. ECON, Stanford, 63-68; ASSOC. PROF., CORNELL, 68. Soc. Sci. Res. Coun. faculty res. grant, 68. Econ. Assn. Econ. Hist. Assn. European industrialization; agricultural development in Europe; economics of technical change. Publ: Chemicals in Western Europe, 1850-1914, North-Holland, 67; Primer in the economic history of Europe, Random House, 68. Address: Dept. of Economics, Cornell University, Ithaca, N.Y. 14850.
- HOHREITER, JACK E., b. St. Louis, Mo, May 30, 18; m. 40; c. 4. PSYCHOLOGY. B.S., St. Louis, 38; M.S., Butler, 60; Purdue, 60; M.A., Tufts, 59; Ph.D. (econ), Mass. Inst. Tech, 63. Asst. prof. ECON, Stanford, 63-68; ASSOC. PROF., CORNELL, 68. Soc. Sci. Res. Coun. faculty res. grant, 68. Econ. Assn. Econ. Hist. Assn. European industrialization; agricultural development in Europe; economics of technical change. Publ: Chemicals in Western Europe, 1850-1914, North-Holland, 67; Primer in the economic history of Europe, Random House, 68. Address: Dept. of Economics, Cornell University, Ithaca, N.Y. 14850.
- HOISMAN, DR. ALAN JAY. Industrial Psychology. See A-K Vol, 11th ed, Soc. & Behav. Vols. New position: Dir. training sys. div, Info. Transfer Corp, 69. Address: 3279 Ventura Canyon Ave, Sherman Oaks, Calif. 91403.
- HOLBEK, PROF. KAREL. International Economics. See A-K Vol, 11th ed, Soc. & Behav. Vols. New information: Vis. prof., Brussels, 70. Address: Dept. of Economics, Boston University, Boston, Mass. 02215.
- HOLDEN, DR. DAVID (EDWARD) (WILLIAM). Rural Sociology. See A-K Vol, 11th ed, Soc. & Behav. Vols. Change of address: Dept. of Sociology, Queen's University, Kingston, Ont., Can.
- HOLDEN, DR. MATTHEW JR., b. Mound Bayou, Miss, Sept. 12, 31; m. 63; c. 2. POLITICAL SCIENCE. B.A., Roosevelt, 52; M.A., Northwestern, 55, Ph.D. (polit. sci), 61. Res. assoc. Ohio Legis. Serv. Cmn, summers 54 & 55; Cleveland Metrop. Serv. Cmn, 57-58; staff consult, Cuyahoga County Charter Cmn, 59; res. assoc. Inst. Govt. & Public Affairs, 59-61; instr. POLIT. SCI, Wayne State, 61-62, asst. prof, 62-63, assoc. prof, 66-68, prof, 68-69; asst. prof, Pittsburgh, 63-66; PROF., WISCONSIN, MADISON, 69. Consult. Resources for Future, Inc, 65-66; Urban Inst, 69. Mem. bd. dirs., Social Sci. Res. Coun, 69. AAAS; Soc. Pub. Admin. Pol. Sci. Assn; Law & Society Assn. Contemporary political systems: United States. Publ: Pollution control as a bargaining process, Cornell Univ. Water Resources Center, 66; Imperialism in bureaucracy, Am. Polit. Sci. Rev, 12/66; Politics, public order and pluralism, In: The allocation of justice, Little, 70. Address: Dept. of Political Science, University of Wisconsin, 322 North Hall, 1050 Bascom Mall, Madison, Wis. 53706.
- HOLDEN, PROF. W. (WILLIAM) (CARRY). Anthropology, Archaeology. See A-K Vol, 11th ed, Soc. & Behav. Vols. New information: Emer. prof., Tex. Tech, 69. Address: 3105 20th St, Lubbock, Tex. 79410.
- HOLDER, DR. HAROLD DOUGLAS. Communication Science. See A-K Vol, 11th ed, Soc. & Behav. Vols. New information: Assoc. prof. sociol., N.C. State Univ. & dir. sys. planning proj. for alcoholism prog., N.C. Dept. Ment. Health, 70. Address: Dorothea Dix Hospital, Box 7532, Raleigh, N.C. 27602.
- HOLDERMAN, DR. JAMES BOWKER. Political Science. See A-K Vol, 11th ed, Soc. & Behav. Vols. New position: Exec. dir. State Bd. Higher Ed, 11, 69. Address: 666 N. Lake Shore Dr, Chicago, Ill. 60611.
- HOLDING, DR. DENNIS HARRY, b. London, Eng, Dec. 6, 25; m. 54; c. 3. EXPERIMENTAL PSYCHOLOGY. M.A., Edinburgh, 51; Ph.D. (psychol), Durham, 61. Sci. officer, Brit. Army Personnel Res. Estab, 52-55; res. psychologist, dept. indus. health, King's Col, Durham, 55-60; lectr. PSYCHOL, Leeds, 60-66; res. fel., Exeter, 66-69; PROF., LOUISVILLE, 69. Grant, dept. sci. & indus. res, Leeds, 62-65; Sci. Res. Coun. fel, 66-68; Nat. Sci. Found. sr. for. scientist fel, Louisville, 68-69. R.N. 42-46. Psychonomic Soc. Brit. Ergonomics Res. Soc. Brit. Exp. Psychol. Soc.; Assn. Study Animal Behavior. Human factors; motor skills; motor and animal learning; information processing; memory. Publ: Principles of training, Pergamon, 65; Experimental psychology in industry, Penguin, 69; Guessing behavior and the Sperling store, Quart. J. Exp. Psychol, 70. Address: Dept. of Psychology, University of Louisville, Louisville, Ky. 40208.
- HOLDREN, DR. GEORGE C(HRISTIAN). Accounting. See A-K Vol, 11th ed, Soc. & Behav. Vols. Change of address: 133 College of Business Administration, University of Nebraska, Lincoln, Nebr. 68508.
- HOLE, PROF. FRANCIS D(OAN). Soil Science. See 11th ed, Phys. & Biol. Vols.
- HOLLAND, DR. CAROLUS. Modern European & Contemporary History. See 5th ed, Dir. Am. Scholars, Vol. I, Hist.
- HOLLAND, DR. CHARLES HOWARD, b. Boston, Mass, Nov. 4, 37; m. 59; c. 3. CLINICAL PSYCHOLOGY. B.A., Amherst Col, 60; Ohio State, 62-63; M.A., Hollins Col, 64; Ph.D. (psychol), Connecticut, 68. Instr. psychol, sch. med., Pennsylvania, 67-69; res. psychologist, unit for exp. psychiat, Inst. Pa. Hosp, 67-69; ASST. PROF. PSYCHOL. & PSYCHOL. COUNSELOR, HOLLINS COL, 69. Psychol. Consult, Fed. Reformatory for Women, Alderson, W.Va. 69. AAAS; Psychol. Assn.; Nat. Coun. Crime & Delinquency. Social-clinical psychological research in the detection, hypnosis and personality; social psychology of behavioral research; research in the area of college student attitudes and behavior. Address: Dept. of Psychology, Hollins College, Hollins College, Va. 24020.
- HOLLAND, DR. CLARENCE LEE, b. Charlotte, N.C., Oct. 26, 33; m. 59; c. 2. INDUSTRIAL PSYCHOLOGY. B.S., Davidson Col, 55; M.S., N.C. State, 61; Ph.D. (indust. psychol), Purdue, 64. Scientist, Lockheed-Ga. Co, 64-67; ASST. PROF. PSYCHOL., GA. STATE COL, 67- Consult, Lockheed Aircraft Corp, 67- U.S.A.R., 55-57, 1st Lt. Human Factors Soc. Quantification of human performance; human performance under stress; simulation techniques; automated intellectual and psychomotor testing. Address: Dept. of Psychology, Georgia State College, Atlanta, Ga. 30060.
- HOLLAND, DR. EDWARD P(ECK). Economics. See A-K Vol, 11th ed, Soc. & Behav. Vols. New position: Economist, Int. Bank for Reconstruction & Development, 69. Address: 6403 Ruffin Rd, Chevy Chase, Md. 20015.
- HOLLAND, DR. HENRY M., JR. Government, Law. See A-K Vol, 11th ed, Soc. & Behav. Vols. New position: Assoc. prof. polit. sci., Denver, 69. Address: 3386 S. Chester Court, Denver, Colo. 80231.
- HOLLAND, DR. JOHN L(EWIS). Psychology. See A-K Vol, 11th ed, Soc. & Behav. Vols. New position: Prof., Hopkins, 69. Address: 7013 Copeleigh Rd, Baltimore, Md. 21212.
- HOLLAND, DR. ROBERT L(EE). Agricultural Economics & Marketing. See A-K Vol, 11th ed, Soc. & Behav. Vols. New position: Chmn. mgt. sci. dept. sch. govt. & bus. admin, George Washington, 69. Address: 929 Glyndon St. S.E., Vienna, Va. 22180.
- HOLLAND, DR. ROBERT THURL, b. Parkersburg, W.Va, Oct. 30, 23. ECONOMICCS. B.S., Marietta Col, 48; M.A., West Virginia, 52. Ph.D. (econ), Southern California, 53. Mgt. trainee, U.S. Steel Corp, 48-50; asst. econ. bus. res., West Virginia, 50-52; with Gen. Tel. Co. Calif, 53-62; lectr. econ, Occidental Col. & Southern California, 62-63; budget analyst, space & info. sys. div, N.A.M. Aviation, 63-66, econ. specialist, Los Angeles Div. 66-67; sr. econ. anal. engr., Ralph M. Parsons Corp, 67-69; LECTR. LOGISTICS, INST. AEROSPACE SAFETY & MGT., SOUTHERN CALIFORNIA, 69. Lectr. Univ. Calif. Exten, 66. Econ. Assn. History of economic thought; regional economic development; economic effects of fiscal and monetary policy. Publ: Co-auth, Aerospace systems analysis and methodology as applied to transportation systems planning, Int. Mgt. Sci, 66. Address: 935 Euclid St, Apt. 10, Santa Monica, Calif. 90403.
- HOLLANDER, PROF. E(DWIN) P(AUL). Social Psychology. See A-K Vol, 11th ed, Soc. & Behav. Vols. Change of address: Dept. of Psychology, State University of New York, 4230 Ridge Lea Rd, Buffalo, N.Y. 14226.
- HOLLANDER, DR. HARRIET ELEANOR, b. Laurelton, N.Y., Oct. 23, 32; m. 53; c. 2. PSYCHOLOGY. M.S., Pittsburgh, 57, Ph.D. (psychol), 59. ASSOC. PROF. PSYCHOL., ROCKLAND COMMUNITY COL, 63. Attending child therapist, Rockland County Center Ment. Health, 63-69; N.Y. Univ. ed. grant, summer 70. Psychol. Assn. Child psychotherapy; learning disabilities; education of community college students. Address: Aspen Court, Pomona, N.Y. 10970.
- HOLLANDER, DR. TOBY EDWARD. Economics, Accounting. See A-K Vol, 11th ed, Soc. & Behav. Vols. New position: V.chancellor, City Univ. N.Y. 69. Address: Aspen Court, Pomona, N.Y. 10970.
- HOLLIS, PROF. JOSEPH WILLIAM. Counseling, Guidance. See A-K Vol, 11th ed, Soc. & Behav. Vols. New position: Prof. psychol. & counseling & dir. doctoral prog. counseling & guid, Ball State University, Muncie, Ind. 47306.
- HOLLIS, DR. WILLIAM SLATER, b. Little Rock, Ark, Feb. 11, 30; m. 55; c. 4. STATE & LOCAL FINANCE. M.A., Memphis State, 62; B.S.B.A., Arkansas, 52, Found. Econ. Ed. fel, 68, J.D. 69. Asst. prof. econ. bus. admin & law, Delta State Col, 58-59; econ. & law, The Citadel, 60-61; ASSOC. PROF. FINANCE, ECON. & LAW, MEMPHIS STATE, 61. Participant, Nat. Defense Strategy Seminar, Nat. War Col, 67; chmn. bd. drafting & legis. cmt. New Govt. Struct. Cmn, 69. U.S.A.F. & ARNGUS, 52-56; U.S.A.R., 56. Lt. Col. Econ. Assn; Fed. Bar Assn. Public finance; urban economics; government regulation of business; economic costs of alcoholic beverages to government and taxpayers. Publ: Brief and case featured: black and white, 8 Am. Law Reports, third, 66; Economic costs of alcoholic beverages to governments and taxpayers: a structural model, Am. Businessmen's Res. Found. Quart, 69. Address: Memphis State University, P.O. Box 80876, Memphis, Tenn. 38111.
- HOLLISTER, PROF. BARRETT. Political Science. See A-K Vol, 11th ed, Soc. & Behav. Vols. New position: Quaker rep. UN Friends World Cmt, 69. Address: 247 E. 48th St, New York, N.Y. 10017.

- HOLLISTER, PROF. JAMES ELLIOTT**, b. Mercer Co. N.Dak. Nov. 11, 11; m. 35; c. 3. **SOCIOLOGY, ADULT EDUCATION**. B.A. John Fletcher Col. (Iowa), 42; M.S. San Jose State Col., 50; Ed.D. (adult ed.), California, Berkeley, 68. Minister, pastor & conf. supt. Free Methodist Church, 39-65. **PROF. SOCIOL.** Northwest Nazarene Col., 65-67; **GREENVILLE COL.**, 69-Sociol. Assn. Adult Ed. Assn. U.S. Social factors affecting the life style of Christian ministers evidenced in their continuing education and leisure activities. Address: Dept. of Sociology, Greenville College, Greenville, Ill. 62246.
- HOLLISTER, DR. ROBINSON GILL, JR.**, b. Newark, N.J. Oct. 11, 34; m. 64; c. 1. **ECONOMICS**. B.A., Amherst Col., 56; Fulbright scholar, London, 61-62; Ph.D. (econ), Stanford, 65. Asst. prof. econ., Williams Col., 62-64; consult. economist, Orgn. Econ. Coop. & Develop., France, 64-65; mem. staff, res. & plans, Off. Econ. Opportunity, Wash. D.C., 66; chief, 66-67; asst. prof. ECON, WISCONSIN, MADISON, 67-68, ASSOC. PROF. 68. Consult. UNESCO, France, 61; Int. Labour Off., Switz, 62; Int. Inst. Ed. Planning, France, 65; U.S. Agency Int. Develop., 67. U.S.A.R., 57-63. Problems of poverty in the United States: economics of human resources; economic problems of Africa. Publ: A technical evaluation of the first stage of Mediterranean regional project, Orgn. Econ. Coop. & Develop., 66; Economics of manpower forecasting, Int. Labour Rev., 4/64; co-auth. Methods and problems in evaluation of social programs, Int. Public and private manpower policies, Indust. Rels. Res. Assn., 69. Address: Dept. of Economics, University of Wisconsin, Madison, Wis. 53706.
- HOLLOWAY, DR. GORDON F.**, b. Chesterfield Co., Va. Feb. 6, 33; m. 55; c. 7. **AUDIOLOGY**. B.S. Utah, 62; M.S., 64; Dept. Health, Ed. & Welfare grant, Southern Illinois, 67-68. Ph.D. (audiol), 68. Speech & hearing therapist, Curry Co., Ore. Inst. Ed. Develop., 64-65; **AUDIOLOGIST**, MINOT STATE COL., 68. U.S.N. 51-55. Speech & Hearing Assn. Auditory-visual integration in language impaired children; auditory-visual integration in children. Publ: Co-auth. Radio telemetry for the monitoring of verbal behavior, J. Speech & Hearing Disorders, 2/68. Address: Dept. of Audiology, Minot State College, Minot, N.Dak. 58701.
- HOLLOWAY, PROF. HAROLD (DAVID)**. Child Psychology. See A-K Vol. 11th ed. Soc. & Behav. Vols. New information: Also acting chmn., 69. Dept. of Psychology, North Texas State University, Box 5334, Denton, Tex. 76203.
- HOLLOWAY, PROF. WILLIAM (VERNON)**. Political Science. See A-K Vol. 11th ed. Soc. & Behav. Vols. New information: No longer dean. sch. & v-pres, Univ. Tulsa. Address: 5518 E. 46th St., Tulsa, Okla. 74135.
- HOLLY, PROF. DAVID C.**, b. Baltimore, Md. Oct. 17, 15; m. 49; c. 3. **POLITICAL SCIENCE, INTERNATIONAL RELATIONS**. B.S. Hopkins, 38; M.A. Maryland, 39; Ph.D. (int. rels.), American Univ., 64. From asst. prof. to assoc. prof. int. law & rels., American Univ., 64-67; from assoc. prof. to PROF. INT. RELS. HAMPTEN-SYDNOR COL., 67. U.S.N., 42-64, Comdr. (Ret). Polit. Sci. Assn. Soc. Int. Law. International law. American foreign policy. Publ: Exodus 1947, Little, 69; The ROK Navy, 11/52 & For the purpose of marking time, 3/53, U.S. Naval Inst. Proc. Address: Dept. of Political Science, Hampden-Sydney College, Hampden-Sydney, Va. 23943.
- HOLMAN, DR. PETER (ANDREW)**. Industrial & Engineering Psychology. See A-K Vol. 11th ed. Soc. & Behav. Vols. Change of address: 833 15th St., Santa Monica, Calif. 90403.
- HOLMES, DR. A. STEWART**, b. Bend, Ore., Aug. 18, 42; m. 68. **AGRICULTURAL ECONOMICS**. B.S. Oregon State, 65; Ph.D. (agr. econ), Maryland, 69. ASST. PROF. RESOURCE ECON., MARYLAND, 69. Soc. Int. Develop.; Community Develop. Soc. Agr. Econ. Assn. Int. Assn. Agr. Econ. Resource economics; international economic development. Address: Dept. of Agricultural Economics, University of Maryland, College Park, Md. 20742.
- HOLMES, DR. DAVID NOYES, JR.**, b. Saginaw, Mich., Mar. 14, 37; m. 63; c. 2. **ECONOMICS, POLITICAL SCIENCE**. B.A. Harvard, 59; B.F.T. Thunderbird Grad. Sch. Int. Mgt. (Ariz), 61; M.A. California, Los Angeles, 65; Nat. Defense Ed. Act. fel., 67-69, Ph.D. (econ), 69. Prof. Eng. Caldas, Colombia, 61-63; admin. asst., computer sales, Appl. Dynamics, Inc., 63-64; asst. prof. econ., Bowdoin Col., 69-70; **ECONOMIST**, TEMPO, GEN. ELEC. CO., 70. Consult. Rand Corp., 65-69. U.S.A.F.R., 59-65. Econ. Assn.; Latin Am. Studies Assn. Development planning; project analysis; rural cooperative credit; microeconomic theory. Publ: Un modelo economico sobre los incentivos para solicitar credito en las cooperativas de ahorro y prestamo, Economia, 12/68. Address: TEMPO, General Electric Co., Santa Barbara, Calif. 93102.
- HOLMES, PROF. JACK E.**, b. Kemmerer, Wyo., Aug. 15, 16; m. 41; c. 2. **POLITICAL SCIENCE**. B.A. Wyoming, 40; M.A., 45; Ph.D. (polit. sci.), Chicago, 64. Asst. prof. polit. sci., New Mexico, 46-51; dir. N.Mex. Legis. Coun. Serv., 51-59; asst. to Rep. state chmn., N.Mex., 59-60; assoc. prof. pub. admin., Nevada, 62-63; **PROF. POLIT. SCI.** TENNESSEE, KNOXVILLE, 63. Soc. Sci. Res. Coun. fel., 57-58. Chief, N.Mex. Tax Cmn., 51-62. Mem. Nat. Sci. Found., NASA, Tenn. Valley Authority & State of Tenn. sci. policy res. team, 69-70. Polit. Sci. Assn. Politics and public policy, the politics of science; civic and political characteristics of scientists and technologists. Publ: Politics in New Mexico, Univ. N. Mex., 67. The public land question in New Mexico, 47 & Science town in the politics of New Mexico, 67, Div. Govt. Res. Univ. N. Mex. Address: Dept. of Political Science, University of Tennessee, Knoxville, Tenn. 37916.
- HOLMES, DR. JOHN H.**, b. Cincinnati, Ohio, Jan. 6, 38; m. 62; c. 2. **MARKETING**. B.S. Notre Dame, 59; M.B.A. Cincinnati, 60; Ph.D. (comm.), Mich. State, 67. Mkt. analyst, Lincoln-Mercury Div., Ford Motor Co., 60-62; **ASST. PROF. MKT.** BOWLING GREEN STATE, 65. Fulbright-Hays lectr., Turkey, Finland, 68; Found. Econ. Ed. fel., 69; Bowling Green Univ. res. grant, 69. U.S.A.F. 66. Mkt. Assn. Diffusion of innovations; communications research; product market integration. Publ: Tuotesuunnitelman systeemin runko, yritystalous, Helsinki, 1/69; A note on the product action process, Bull. Bus. Res. Ohio State Univ., 7/69; Selected areas of decision making confronting the marketing oriented executive, Mem. 12, Handelshogskolan vid Abo
- Akademi, Turku, summer 69. Address: Dept. of Marketing, Bowling Green State University, Bowling Green, Ohio 43402.
- HOLMES, JOHN W.**, b. London, Ont., June 18, 10. **INTERNATIONAL AFFAIRS**. B.A. Western Ontario, 32; M.A. Toronto, 33; London, 38-40. First secy. Can. House, London, 44-47; chargé d'affaires, Can. Embassy, Moscow, 47-48; acting permanent rep. to UN, 50-51; mem. directing staff, Nat. Defence Col. Can., 51-53; asst. Under-Secy. of State for External Affairs, Ottawa, 53-60; DIR. GEN. CAN. INST. INT. AFFAIRS, 60. Res. assoc., Duke, 60; vis. prof., Toronto, 67; vis. res. fel., Carnegie Endowment for Int. Peace, European Centre, Geneva, 69. Mem. coun. Int. Strategic Studies, 64; mem. bd. trustees, UN Inst. Training & Res., 67. Serv. medal, Order of Can., 69. Can. Hist. Assn.; Can. Polit. Sci. Assn. Canadian foreign policy; international mediation. Publ: Canada and China, In: Policies towards China: a view from six nations, Praeger, 66; Growing independence in Canadian-American relations, For. Affairs, 67 & Pearl symmetry: the dilemmas of consultation and coordination in NATO, Int. Orgn., 68. Address: Canadian Institute of International Affairs, 31 Wellesley St. E., Toronto 284, Ont. Can.
- HOLMLUND, DR. WALTER S.** Educational Psychology. See A-K Vol. 11th ed. Soc. & Behav. Vols. New position & address: Prof., 69. Dept. of Behavioral Sciences, Lake Superior State College, Sault Ste Marie, Mich. 49783.
- HOLSTI, DR. OLE**. Political Science. See A-K Vol. 11th ed. Soc. & Behav. Vols. New publ: Co-auth. & co-ed. The analysis of communication content: developments in scientific theories and computer techniques, Wiley, 69. Address: Dept. of Political Science, University of British Columbia, Vancouver 8, B.C. Can.
- HOLT, DR. (HOWARD) O(LIVER)**. Educational Psychology. See A-K Vol. 11th ed. Soc. & Behav. Vols. Change of address: 2 Jackson Dr., Cranford, N.J. 07016.
- HOLT, DR. JAMES M (MILBURN)**. Clinical Psychology. See A-K Vol. 11th ed. Soc. & Behav. Vols. New information: Also practicing clinical psychologist. Address: Orthopaedic Hospital, 2400 S. Flower, Los Angeles, Calif. 90007.
- HOLT, DR. JOHN**, b. Roswell, N.Mex., Dec. 4, 36; m. 61. **AGRICULTURAL ECONOMICS**. B.S. Texas Tech. Col., 61, M.S. 66; Ph.D. (agr. econ), Texas A&M, 69. ASST. PROF. AGR. ECON., FLORIDA, 69. Management, labor motivation, land values, production costs—crops and livestock. Address: Dept. of Agricultural Economics, University of Florida, Gainesville, Fla. 32601.
- HOLT, PHILLIP (CHRISTIAN)**. Economics. See A-K Vol. 11th ed. Soc. & Behav. Vols. New information: Retired; now independent consult. Address: 8105 Kerry Lane, The Hamlet, Chevy Chase, Md. 20015.
- HOLT, PROF. ROBERT R (UTHERFORD)**. Clinical & Personality Psychology. See A-K Vol. 11th ed. Soc. & Behav. Vols. New information: No longer co-dir., res. center, ment. health, N.Y. Univ. Address: Dept. of Psychology, New York University, Washington Square, New York, N.Y. 10003.
- HOLTZ, DR. JAMES N.** Economics. See A-K Vol. 11th ed. Soc. & Behav. Vols. New information: Prof. econ. Fed. Exec. Inst., 69; vis. assoc. prof. govt., Virginia. Address: Federal Executive Institute, Thomas Jefferson Inn, Route 29, North Charlottesville, Va. 22903.
- HOLTZMAN, DR. WAYNE H (AROLD)**. Psychology. See A-K Vol. 11th ed. Soc. & Behav. Vols. New position: Pres., 70. Hogg Foundation for Mental Health, University of Texas at Austin, Austin, Tex. 78712.
- HOLZMAN, PROF. PHILIP S.** Psychology. See A-K Vol. 11th ed. Soc. & Behav. Vols. New information: Prof., Chicago, 69; training psychoanalyst, Chicago Inst. of Psychoanal. Address: University of Chicago, 950 E. 59th St., Chicago, Ill. 60637.
- HOMAN, DR. A. GERLOF**. Agricultural Economics. See A-K Vol. 11th ed. Soc. & Behav. Vols. New position: Assoc. prof. econ. & dir., 68. Bureau for Business & Economic Research, University of Oklahoma, 307 W. Brooks St., Room 4, Norman, Okla. 73069.
- HONDRUD, PRES. JON OLAF**. Philosophy, Literature. See 5th ed. Dir. Am. Scholars, Vol. IV, Philos. Relig. & Law.
- HONEA, DR. KENNETH (HOWARD)**, b. San Antonio, Tex. July 25, 30; wid. c. 1. **CULTURAL ANTHROPOLOGY, ARCHAEOLOGY**. Ph.D. (anthrop.), Vienna, 58. Dir., Wenner Gen. Found. Anthropol., European hq., Gloggnitz, Austria, 58-59; staff archaeologist, Texas, Austin, 60-62; res. archaeologist, Mus. N. Mex. Santa Fe, 62-67; ASSOC. PROF. ANTHROP., Texas Tech., 67-69; **NORTHERN ILLINOIS**, 69. Wenner Gen. Found. res. grant, 58; Wenner Gen. Found. Richard C. Hunt Mem. fel., 58-59; Nat. Sci. Found. grants, 62, 68. Med. C. U.S.A., 46-48. Anthropol. Assn. Prehistoric technology; nature and development of prehistoric cultures in American Southwest, Africa and Europe; culture change in contemporary societies; primitive religions. Publ: Morphology of scrapers and their methods of production, Southwest. Lore, 65; Material culture of prehistoric Cochiti district sites, In: The Cochiti Dam, Mus. N. Mex. Res. Records, 66; Rio Grande complex and the north plains, Plains Anthropologist, 69. Address: Dept. of Anthropology, Northern Illinois University, De Kalb, Ill. 60115.
- HONEY, DR. JOHN C.** Political Science. See A-K Vol. 11th ed. Soc. & Behav. Vols. New position: V-pres, res. & govt. affairs, 69-Val, Syracuse University, Administration Bldg., Syracuse, N.Y. 10021.
- HONKALEHTO, PROF. OSWALD**. Economics. See A-K Vol. 11th ed. Soc. & Behav. Vols. New information: Ph.D. (econ), Mass. Inst. Tech., 69. Assoc. prof., 69-Dep. of Economics, Colgate University, Hamilton, N.Y. 13346.
- HOOD, DR. RALPH W. JR.**, b. July 12, 42; U.S. citizen; m. 60; c. 2. **SOCIAL PSYCHOLOGY**. B.A. California, Los Angeles, 64; M.A. Calif. State Col. Los

- Angeles, 66; NASA fel, Nevada, Reno, 66-68, Ph.D. (soc. psychol), 68. Lectr. & res. assoc. PSYCHOL, Nevada, Reno, 68-69; ASST. PROF, S.DAK. STATE, 69. Psychol. Asn. Soc. Sci. Study Relig. Personality; philosophical psychology; methodology. Publ: On creativity as defined by the remote associates test, Psychol. Reports, 69 & Effects of foreknowledge of death in the assessment from case history material of intent to die, J. Consult. & Clin. Psychol, 70; co-auth, Associative clustering and performance on the remote associates test, J. Exp. Res. Personality, 70. Address: Dept. of Psychology, South Dakota State University, Brookings, S. Dak. 57006.
- HOOD, DR. WILLIAM C (LARENCE). Economics. See A-K Vol. 11th ed, Soc. & Behav. Vols. New position & address: Asst. dep. minister finance, 700, Government of Canada, Wellington St. Ottawa, Ont. Can.
- HOOK, DEAN RALPH C. JR. Business Administration. See A-K Vol. 11th ed, Soc. & Behav. Vols. New position & address: Dean, 68, College of Business Administration, University of Hawaii, 2500 Campus Road, Honolulu, Hawaii 96822.
- HOOKER, DR. JAMES F (REDERICK), b. Lowell, Mass, Jan. 15, 35; m. 66; c. 1. PSYCHOLOGY. A.B. Brandeis, 57; U.S. Pub. Health Serv. fel, Nebraska, 64, Ph.D. (psychol), 66. Instr. psychiat, med. center, Kansas, 65. ASST. PROF, 65-67; PSYCHOL, Georgia, 67-70; VA. COMMONWEALTH UNIV, 70. Training consult, Cent. State Hosp, Milledgeville, Ga. 67-68; res. consult, Manpower Develop. & Training Center, Buford, 68. Psychol. Asn. Soc. Proj. Tech. & Personality Assessment. Objective personality assessment; juvenile delinquency; personal prediction. Publ: Co-auth, MMPI characteristics of pregnancy, J. Clin. Psychol, 62 & Personality characteristics of successful police sergeant candidates, J. Criminal Law, Criminol. & Police Sci, 70; auth, Rating delinquent behavior, Psychol. Reports, 70. Address: Dept. of Psychology, Virginia Commonwealth University, Richmond, Va. 23220.
- HOOKS, DR. JANET M. Economics. See A-K Vol. 11th ed, Soc. & Behav. Vols. New position: Assoc. prof, 69, Dept. of Economics, Eastern Illinois University, Charleston, Ill. 61920.
- HOOPES, DR. PAUL ROGER. Political Science. See A-K Vol. 11th ed, Soc. & Behav. Vols. Change of address: 1118 Lake St, Venice, Calif. 90291.
- HOOPER, PROF. IDABELLE PETERSON. Psychology. See A-K Vol. 11th ed, Soc. & Behav. Vols. New information: J.D. Akron, 69. Assoc. prof, 69, Dept. of Psychology, Kent State University, Kent, Ohio 44240.
- HOOPER, DAVID B (EALL). Biometrics, Public Health. See A-K Vol. 11th ed, Soc. & Behav. Vols. New position: Chief manpower resources br, 68, Division of Allied Health Manpower, National Institutes of Health, 9000 Rockville Pike, Bethesda, Md. 20014.
- HOPE, PROF. A (SHELEY) GUY. Social Science, International Affairs. See A-K Vol. 11th ed, Soc. & Behav. Vols. New position & address: Prof. polit. & prog. dir, 69, St. Andrews Presbyterian College, Laurinburg, N.C. 28352.
- HOPE, JOHN, II. Economics. See A-K Vol. 11th ed, Soc. & Behav. Vols. New position: Asst. dir, planning off. civil rights, Dept. Health, Ed. & Welfare, 68. Address: 360 N. St. S.W., Washington, D.C. 20024.
- HOPE, DR. RICHARD OLIVER, b. Atlanta, Ga. Apr. 1, 39; m. 64; c. 2. SOCIOLOGY, RELIGION. B.A. Morehouse Col, 61; M.A. Syracuse, 67. Ph.D. (sociol. of relig), 69. Instr. SOCIOL, Syracuse, 64-65 & summer 67; Onondaga Community Col, 67-68; BROOKLYN COL, 68-69. ASST. PROF, 70. Res. assoc, Metrop. Appl. Res. Center, 68. Sociol. Asn. Soc. Study Social Probs, Soc. Sci. Study Relig. Sociology of religion; urban sociology; problems of urban education. Publ: Co-auth, Integrating racially imbalanced urban public schools, U.S. Off. Ed, 67. Address: Dept. of Sociology, Brooklyn College, Flatbush & Nostrand Ave, Brooklyn, N.Y. 11210.
- HOPKIN, DR. JOHN A (LFRED). Agricultural Economics. See A-K Vol. 11th ed, Soc. & Behav. Vols. New information: Also dir. agr. finance prof, 69, University of Illinois, 305 Mumford Hall, Urbana, Ill. 61801.
- HOPKINS, DR. ANNE H. b. New York, N.Y., Aug. 17, 41; m. 65. POLITICAL SCIENCE. B.A. Syracuse, 63, M.A., 65, Ph.D. (polit. sci), 69. Res. assoc. POLIT. SCI, Syracuse, 67-68; ASST. PROF, HOBART & WILLIAM SMITH COLS, 68. Nat. Sci. Found. faculty res. grant, 68-70. Polit. Sci. Asn. Comparative state politics; American political behavior; quantitative methods. Publ: Co-auth, Politics and organization in water resource administration: a comparative study of decisions, Water Resources Res, 65. Address: Dept. of Political Science, Hobart & William Smith Colleges, Geneva, N.Y. 14456.
- HOPKINS, PROF. BERT EARL. Law. See 5th ed, Dir. of Am. Scholars, Vol. IV, Philos, Relig. & Law.
- HOPKINS, DR. CHARLES E (BERT), b. Atlanta, Ga., Mar. 22, 31; m. 53; c. 2. SOCIOLOGY, EDUCATIONAL PSYCHOLOGY. A.B. Furman, 51, M.Ed. Emory, 59; Ed.S. Georgia, 63, Ed.D. (ed. psychol), 64. Teacher, pub. schs, Ga., 52-59, couns., 59-61, dir. guid. & testing, 61-66; assoc. dir. Ga. Ed. Improv. Coun., 66-67; ASSOC. PROF. SOCIOL, GEORGIA STATE, 67. Consult, southeast, region, U.S. Civil Serv. Cmn, 68. Ed. Urban & Regional Affairs, 68-69; memb. ad. & ed. bd, Guid. Res. Group, 64-67. U.S.A., 54-55, Res. 55-62. Nat. Coun. Measurement in Ed; Inst. Urban & Regional Affairs. Statistical prediction techniques for identifying potential high school dropouts; values and value structures of college and secondary school students. Publ: Co-auth, Directory of educational opportunities in Georgia, Ga. Ed. Improv. Coun, 67. auth, Using TV in career guidance, Nat. Assn. Broadcasters, J, 11/66 & Conservation of human resources: identifying the potential school dropout, Urban & Regional Affairs, J, 5/69. Address: Dept. of Sociology, Georgia State University, 33 Gilmer St. S.E., Atlanta, Ga. 30303.
- HOPKINS, DR. RONALD HERBERT, b. Marshalltown, Iowa, Oct. 16, 41; m. 64; c. 2. EXPERIMENTAL PSYCHOLOGY. B.S. Iowa State, 63. Nat. Defense Ed. Act fel, Iowa, 65-67, M.A., 66, Ph.D. (psychol), 67. Assoc. engr. Boeing Co, Seattle, 63; jr. physicist, Atomic Energy Cmn. Ames Lab, Iowa State, 63-64; res. assoc. PSYCHOL, inst. math. studies in social sci, Stanford, 67-68; ASST. PROF, State Univ. N.Y. Binghamton, 68-69, WASHINGTON STATE, 69. Lectr, Calif. State Col. Hayward, 68. AAAS; Psychol. Asn. Human learning and memory; verbal learning; mathematical models of learning and memory. Publ: Co-auth, First-letter clues in the retrieval of proper names from long-term memory, Psychol. Reports, 23: 851-866, Printing and the retrieval of proper names from long-term memory, Psychonomic Sci, 11: 219-220 & Meaningfulness in paired-associate recognition learning, J. Exp. Psychol, 79: 533-539. Address: Dept. of Psychology, Washington State University, Pullman, Wash. 99163.
- HOPPER, DR. JACK, b. Mineola, Tex. Apr. 25, 28; m. 61. ECONOMICS. B.S. Tex. Tech. Col, 53; M.A. Texas, Austin, 64, Ph.D. (econ), 66. Process engr. Phillips Chem. Co, Tex, 53-56; sales engr, Duriron Co, Inc. 56-60; economist, Brown & Root, Inc. 65-67; INDUST. ECONOMIST, SPENDELTOP RES. INC, 67. Econ. Asn. Research in economic development and industrial economics. Address: 805 Malabu Dr, Lexington, Ky. 40502.
- HOPPOCK, PROF. ROBERT. Psychology. See A-K Vol. 11th ed, Soc. & Behav. Vols. Change of address: 74 South Bldg. New York University, New York, N.Y. 10003.
- HORAN, DR. MICHAEL JAMES. Political Science. See A-K Vol. 11th ed, Soc. & Behav. Vols. Change of address: 802 S. 24th St. Laramie, Wyo. 82070.
- HORN, DR. DANIEL. Psychology. See A-K Vol. 11th ed, Soc. & Behav. Vols. Change of address: U.S. Public Health Service, 5600 Fisher Lane, Parklawn Bldg. Rockville, Md. 20852.
- HORN, DR. JOHN LEONARD. Psychology, Psychometrics. See A-K Vol. 11th ed, Soc. & Behav. Vols. New information: Prof. psychol. Denver, 69. Nat. Inst. Ment. Health grants, 68-73. Address: 196 S. Corona St. Denver, Colo. 80209.
- HORN, DR. WOLFGANG O. b. Oppeln, Germany, Mar. 20, 19; m. 64; c. 6. PSYCHOLOGY. B.S. Marburg, 50, M.S., 51, Ph.D. (psychol), 61. Salzburg Seminar in Am. Studies, summer 50. Clin. psychologist, Dept. Justice, Fed. Repul. W. Germany, 53-67; res. assoc. PSYCHOL lab. personality & group anal. dept. psychol. Illinois. Champaign, 68; ASSOC. PROF. WIS. STATE, STEVENS POINT, 68. German Army, 37-47. Sgt. AAAS; Psychol. Asn. Intelligence of children of different social classes; structure of intelligence and personality; intercultural comparisons; prediction of achievement and criminal offenses; creativity; development of tests. Publ: Begabungstestsystem (BTS), 56. Leistungstestsystem (LPS), 61 & Pruefsystem fuer Schul und Bildungsberatung (PSB), 69. Verlag fuer Psychologie, Dr. C. J. Hogrefe, Goettingen, W. Germany. Address: Classroom Center, Wisconsin State University, Stevens Point, Wis. 54481.
- HORNBECK, DR. FREDERICK WILLIAM, b. Buffalo, N.Y., Feb. 27, 40; m. 62; c. 1. SOCIAL PSYCHOLOGY. B.A. Yale, 64, M.S. 66; Ph.D. (psychol), California, Los Angeles, 69. ASST. PROF. PSYCHOL, SAN DIEGO STATE COL. 68. AAAS; Soc. Psychol. Study Social Issues; Psychol. Asn. Attitudinal behavior, particularly consequences of counter-attitudinal advocacy; non-attitudinal determinants of attitudinal behavior. Address: Dept. of Psychology, San Diego State College, San Diego, Calif. 92115.
- HORNER, PROF. G (EORGE) R (OLAND). Anthropology. See A-K Vol. 11th ed, Soc. & Behav. Vols. Change of address: Boston State College, Boston, Mass. 02115.
- HORNING, PROF. DONALD NEAL MICHAEL, b. South Bend, Ind. Oct. 10, 30; m. 57. SOCIOLOGY. B.A. Kalamazoo Col. 52; M.A. Indiana, Bloomington, 57, Ph.D. (sociol), 63. Instr. sociol. Indiana, Bloomington, 57-60; asst. prof. Ohio, 60-66. Off. Econ. Opportunity grant & assoc. dir. center econ. opportunity, 66; assoc. prof. sociol. Western Michigan, 66-70; assoc. dir. center sociol. res. 67-70; PROF. SOCIOL. & CHMN. DEPT. ST. MARY'S COL (IND), 70. Soc. Study Social Probs. (secy. 68-70). Sociol. Asn. Industrial sociology; blue collar crime; black business leaders. Publ: Co-auth, Directory of black business in Michigan, Bur. Bus. Res. Univ. Michigan, 70; auth, Blue collar et. In: Crimes against bureaucracy, Van Nostrand, 70. Address: 1324 E. Wayne St. S. South Bend, Ind. 46615.
- HORNING, DR. EDGAR A. American History. See 5th ed, Dir. Am. Scholars, Vol. I, Hist.
- HOROWITZ, DR. A (RNOID) E (LI). Psychology. See A-K Vol. 11th ed, Soc. & Behav. Vols. New position: Assoc. prof. psychol. Hofstra, 68. Address: 90 Seventh Ave, Sea Cliff, N.Y. 11579.
- HOROWITZ, PROF. IRVING L (OUIS). Sociology. See A-K Vol. 11th ed, Soc. & Behav. Vols. New information: Prof. sociol. & chmn. Livingston Col. Div. Rutgers, 69; ed-in-chief, Trans-action. Address: Dept. of Sociology, Rutgers, The State University, New Brunswick, N.J. 08903.
- HOROWITZ, DR. IRWIN, b. New York, N.Y., Feb. 2, 39; m. 65; c. 1. PSYCHOLOGY. B.S. Brooklyn Col, 61, M.A., 63; Ph.D. (psychol), Mich. State, 66. ASST. PROF. PSYCHOL, TOLEDO, 66, res. fel. 69. Psychol. Asn. Group and interpersonal processes, attitudes and behavior; experimental design. Publ: Social responsibility as a function of repression-sensitization, J. Soc. Psychol, 68; Effect of choice and losses of dependence on helping behavior, 68 & Effects of volunteering and fear arousal on attitude changes, 69, J. Personality & Soc. Psychol. Address: Dept. of Psychology, University of Toledo, Toledo, Ohio 43606.
- HORR, DR. DAVID AGEE, b. Lawrence, Kans. Nov. 9, 35; m. 64; c. 1. ANTHROPOLOGY. A.B. Kansas, 57; Fulbright scholar, Vienna, 57-58; Ph.D.

- (anthrop), Harvard, 69. Field dir. pop. genetics, Western Reserve Univ., Can., 64; lect. anthropol., Brandeis, 65-66; sr. res. asst. primate behav., Harvard, Borneo, 67-69; res. fel. 69-70; ASST. PROF. ANTHROP. BRANDEIS, 70- U.S. Mil. Serv., 60-66. AAAS; fel. Anthropol. Assn. Human physical and behavioral adaptation and its evolution; primate behavior and ecology. Address: Dept. of Anthropology, Brandeis University, Waltham, Mass. 02154.
- HORRALL, DR. BERNICE M(OODY).** Psychology. See A-K Vol. 11th ed. Soc. & Behav. Vols. New position: Consult. Sch. Psychol. Serv., 69- Address: 891 Lake Dr., Ray, Ind. 46737.
- HORTON, DR. FRANK E.** Geography. See A-K Vol. 11th ed. Soc. & Behav. Vols. New position: Dir., Institute of Urban & Regional Research, 102 Church St., Iowa City, Iowa 52240.
- HORTON, PROF. PAUL B(URLEIGH).** Sociology. See A-K Vol. 11th ed. Soc. & Behav. Vols. Change of address: 338 Bayview Lane, Plainfield, Mich. 49080.
- HORVATH, DR. ATTILA STEVEN EUGENE, b.** Kiskunfelegyhaza, Hungary, July 29, 07; U.S. citizen; m. 37; c. 1. SOCIOLOGY. Dr. Laws, Budapest Univ. Sci., 30; dipl. sociol. Sch. Adv. Int. & Soc. Studies, Paris, 32. Asst. Prof. SOCIOL. Ill. Col., 66-68; ASSOC. PROF. WINONA STATE COL., 68-69. Soc. Anthropol. political sociology; social stratification. Publ.: Fountain affame, Vantage, 70. Address: 358 E. Sarnia St., Apt. 29F, Winona, Minn. 55987.
- HORVATH, DR. PETER.** Economics. See A-K Vol. 11th ed. Soc. & Behav. Vols. Change of address: 126 N. Broadway, Tarrytown, N.Y. 10591.
- HORVITZ, DR. PAUL M(ICHAE). Economics, Finance.** See A-K Vol. 11th ed. Soc. & Behav. Vols. New position: Dir. Res. Fed. Deposit Ins. Corp., 68- Address: 5821 Lenox Rd., Bethesda, Md. 20034.
- HOSACK, PROF. ROBERT E(WING).** Political Science. See A-K Vol. 11th ed. Soc. & Behav. Vols. New information: Also head, 69-, Dept. of Political Science, University of Idaho, Moscow, Idaho 83843.
- HOSEK, DR. WILLIAM RANDOLPH, b.** New York, N.Y., Jan. 11, 37; m. 60. ECONOMICS. B.A., California, Santa Barbara, 64, Ph.D.(econ), 67. Assoc. ECON. California, Santa Barbara, 66-67; ASST. PROF. NEW HAMPSHIRE, 67- U.S.A.F. 54-57. Econ. Assn. Monetary theory and policy; macroeconomic theory. Publ.: Determinants of the money multiplier, Quart. Rev. Econ. & Bus. (in press); co-auth., Further reflections on, and investigations of, money demand, J. Finance, 3/70. Address: Dept. of Economics, Whittemore School Bldg., University of New Hampshire, Durham, N.H. 03824.
- HOSFORD, PROF. PHILIP L(EWIS), b.** Lincoln, Neb., May 7, 26; m. 47; c. 5. EDUCATIONAL ADMINISTRATION, MATHEMATICS. B.A., New Mexico Highlands, 49, M.A. 53; Ed.D.(ed. admin), Colo. State, 63. Teacher, Roswell City Schs., 50-52, prin. elem. sch., 52-54, dir. instr., 54-63; assoc. prof. ed. & math. NEW MEXICO STATE, 63-66, dir. student teaching, 66-67, prof. elem. & sec. ed. 67-69. PROF. ED. & MATH, 69- Lectr., Dallas County Jr. Col., Dist. Tex., 69-69; Tarrant County Jr. Col. Dist. Ft. Worth, 69-69; Las Cruces City Schs., 63; math. consult. El Paso City Schs., 64-67; small schs. proj., N.Mex. State Dept. Ed., 65; Las Vegas City Schs., 69; Ed. Serv. Corp., D.C. 69. Mem. Gov. Task Force Ment. Serv., 65. U.S.N. 44-46, Res., 49-53; Nat. Guard, 53-58, Capt. Nat. Asst. Supv. & Curriculum Develop.; Nat. Comm. Teachers Math. Publ.: Algebra for elementary teachers, Harcourt, 68; A unit of instruction on the P.T.A. N.Mex. Parent-Teachers Assn., 68; Dissent without dissension? perhaps... Ed. Leadership, 69. Address: Dept. of Education & Mathematics, New Mexico State University, Las Cruces, N.Mex. 88001.
- HOSMER, DR. CLARK L(EWIS), U.S.A.F.** Management & Research Psychology. See A-K Vol. 11th ed. Soc. & Behav. Vols. New position & address: Prof. & dir., 69-, Graduate Programs, Georgia State University, Box 1998, Ft. Benning, Ga. 31905.
- HOSTLER, DR. CHARLES WARREN.** Political Science, International Relations. See A-K Vol. 11th ed. Soc. & Behav. Vols. Change of address: 120 Via Lido Nord, Lido Isle, Newport Beach, Calif. 92660.
- HOTALING, PROF. EUGENE.** Psychology, Education. See A-K Vol. 11th ed. Soc. & Behav. Vols. Change of address: Dept. of Education Psychology, Valley City State College, Valley City, N.Dak. 58072.
- HOTSON, DR. JOHN HARGROVE.** Economics. See A-K Vol. 11th ed. Soc. & Behav. Vols. New position & address: Prof., 69-, Dept. of Economics, University of Waterloo, Waterloo, Ont., Can.
- HOUE, DEAN JOHN L(OUIS).** Political Science, International Relations. See A-K Vol. 11th ed. Soc. & Behav. Vols. New information: Dean sch. bus. & econ, Humboldt State Col., 69-70. Address: 2351 Westwood Court, Apt. F-5, Arcata, Calif. 95521.
- HOUSHELL, PRES. CHARLES D(AVID).** Political Science. See A-K Vol. 11th ed. Soc. & Behav. Vols. New position & address: Pres., 69- Birmingham-Southern College, 800 Eighth Ave. W., Birmingham, Ala. 35204.
- HOURLTOULE, PROF. GILBERT O(TTO).** Political Science. See A-K Vol. 11th ed. Soc. & Behav. Vols. New position: Prof. & chmn., 69-, Dept. of Political Science, Montclair State College, Upper Montclair, N.J. 07043.
- HOUSKA, DR. MARY DITTMER, b.** Amityville, N.Y., Sept. 2, 32; m. 53; c. 3. ECONOMICS. S.B., Simmons Col., 54; Ph.D.(econ), Mass. Inst. Tech., 63. Asst. div. controller, Dewey & Almy Chem. Co. Div. W.R. Grace & Co., 54-57; asst. prof. ECON. & head dept., Radford Col., 64-66; ASST. PROF. HOL- LINS COL., 66- Econ. Assn. Study Soviet-Type Econ. Labor market analysis. Address: Dept. of Economics, Hollins College, Hollins College, Va. 24020.
- HOUSLEY, DR. CARL BLAIR, b.** Pennington Gap, Va., Mar. 30, 39; m. 62; c. 1. ECONOMICS. B.S., East Tenn. State, 62; Fed. Water Pollution Control Admin. fel., Fla. State, 68-69; Ph.D.(econ), 69. Instr. ECON. Florissant Valley Community Col., 64-65; Fla. State, 65-68; ASST. PROF. VALPA- RAISO, 69- Econ. Assn. Economic analysis of water quality legislation. Ad- dress: 4117 Fulton Dr., Knoxville, Tenn. 37918.
- HOUSTON, DR. BARRIE KENT, b.** Boulder, Colo., June 11, 39; m. 66; c. 1. CLINICAL PSYCHOLOGY. B.A., Colorado, 61; U.S. Pub. Health Serv. fel., Stanford, 61-62, 62-67, Ph.D.(psychol), 67. ASST. PROF. PSYCHOL., Texas, Austin, 67-70; KANSAS, 70- Consult. Vet. Admin. Hosp., 68- AAAS; Psychol. Assn. Auditory noise and selective attention; resiliency to stress. Publ.: Review of the evidence and qualifications regarding the effects of hallucinogenic drugs on chromosomes and embryos, J. Psychiat., 8/69, Noise, task difficulty and Stroup color-word performance, J. Exp. Psychol., 12/69 & Dogmatism and intolerance for sensory discrepancy, J. Soc. Psychol., 5/70. Address: Dept. of Psychology, University of Kansas, Lawrence, Kans. 66044.
- HOUSTON, DR. JOHN P.** Psychology. See A-K Vol. 11th ed. Soc. & Behav. Vols. New position: Assoc. prof., 69-, Dept. of Psychology, University of California, Los Angeles, Calif. 90024.
- HOUSTON, DR. SAMUEL ROBERT, b.** Los Angeles, Calif., May 20, 35; m. 63; c. 1. STATISTICS, MATHEMATICS. A.B., California State Univ., 57; M.A., Calif. State, Los Angeles, 61; summers, Nat. Sci. Found. grants, Oregon, 60-64, M.S., 64; Nat. Sci. Found. fel., Colo. State Col., 65-66, Ph.D. (ed. measurement, statist. res) 67. Instr. city schs., Calif., 57-65; res. asst. res. methodology, Colo. State Col., 65-66; prog. assoc. grants div., Charles F. Kettering Found., 66-67, res. specialist, res. & develop. div., 67-68; ASST. PROF. RES. & STATIST. METHODOLOGY, COLO. STATE COL., 68- Fel. statist. & psychol., California, Los Angeles, 67; consult., CFK, Ltd., Colo., 68- U.S.A.F. 58-65. Ed. Res. Asst.; Statist. Asst.; Math. Assn. Am. Judgment analysis; policy capturing models; success in graduate education. Publ.: Co-auth., Action research for the classroom teacher, Brown 69, The use of the judgment analysis technique in predicting success in graduate education, Calif. J. Ed. Res., 9/69 & Teaching effectiveness in culturally deprived junior high mathematics classes, J. Exp. Ed., fall 69. Address: Dept. of Research & Statistical Methodology, Colorado State Col- lege, Greeley, Colo. 80631.
- HOUTHAKKER, PROF. HENDRIK S(AMUEL).** Economics. See A-K Vol. 11th ed. Soc. & Behav. Vols. New information: On leave from Harvard as mem., 69-, President's Council of Economic Advisers, Executive Office Bldg., Washington, D.C. 20506.
- HOVDE, PROF. HOWARD T(HRUNE).** Economics, Marketing. See A-K Vol. 11th ed. Soc. & Behav. Vols. New information: Vis. prof. mkt. col. bus., admin., Florida, 69- Address: 145 Barnegat Blvd., Beachwood, N.J. 08722.
- HOVEY, DR. J(USTUS) ALLAN, JR., b.** Cambridge, Mass., May 13, 22; m. 48; c. 1. POLITICAL SCIENCE, INTERNATIONAL RELATIONS. A.B., Swarthmore Col., 48; cert. Grad. Inst. Int. Studies, Geneva, 48; M.A., Columbia, 50, Ph.D. (int. rels., law), 65. Study dir., Coun. For. Rel., New York, N.Y., 51-52; exec. dir., Am. Cmt. on United Europe, New York & Paris, 52-60; govt. rels. rep., Olin Mathieson Chem. Corp., Wash., D.C. 60-65; Wash. dir., Allen & Muerden, Inc., 65-68, V.PRES., FREE EUROPE, INC., 68- Lectr., Manhattan Commun. Col., 69- Mem. bd., Atlantic Coun. U.S., Wash., D.C. 62- U.S.A., 43-46, 1st Lt. Coun. For. Rel.; Polit. Sci. Asst.; Soc. Int. Develop. United States foreign policy; East-West relations; international organizations. Publ.: The supermarinists: interparliamentary consultation and Atlantic cooperation, Praeger, 66; Industrial Afrikanization—a case report, Africa Report, 63. Address: 10 Park Ave., New York, N.Y. 10016.
- HOWARD, DR. BARBARA BYERS.** Political Science. See A-K Vol. 11th ed. Soc. & Behav. Vols. New information: No longer with Bur. Govt. Res. & Serv., Washington (Seattle). Address: 2220 Minor E., Apt. 401, Seattle, Wash. 98102.
- HOWARD, PROF. BION B(RADBURY).** Finance. See A-K Vol. 11th ed. Soc. & Behav. Vols. Change of address: Graduate School of Management, North-western University, Evanston, Ill. 60201.
- HOWARD, DR. JAMES L(AWRENCE), b.** Glen Ellyn, Ill., Nov. 30, 41; m. 63. PSYCHOLOGY. B.A., North Carolina, 63; Nat. Defense Ed. Act fel., Tulane, 65-68, M.S., 69; Ph.D. Psychol., 68. ASST. PROF. PSYCHOL., DEPT. PSY- CHIAT. SCH. MED., NORTH CAROLINA, CHAPEL HILL, 68- President's Cmn. Pornography & Obscenity study grant, 69-70. Psychol. Assn. Soc. Psychophysiol. Res. Relationship between physiological and psychological mechanisms, especially the autonomic nervous system and behavior. Publ.: Co-auth., Physiological and psychological effects of pornography, President's Cmn. Obscenity & Pornography, 70; Preparatory cardiac changes: a psychobiological approach, In: Classical conditioning II, Appleton, 70 & The cardiac-somatic relationship: some reformulations, Psychophysiol., 70. Address: Dept. of Psychiatry, University of North Carolina School of Medicine, Chapel Hill, N.C. 27514.
- HOWARD, PROF. JOHN A(RNOLD).** Marketing. See A-K Vol. 11th ed. Soc. & Behav. Vols. New pub. Co-auth. The theory of buyer behavior, Wiley, 69. Address: School of Business, Columbia University, 524 Uris Hall, New York, N.Y. 10027.
- HOWARD, DR. MARY TATUM.** Psychology. See A-K Vol. 11th ed. Soc. & Behav. Vols. New position: Lectr. & dir. counseling center, Fed. City Col., 68- Address: 112 Kentucky Ave. S.E., Washington, D.C. 20003.
- HOWE, DR. CHARLES WARREN.** Economics. See A-K Vol. 11th ed. Soc. & Behav. Vols. Correction: Dir. water resources prof., 65- Resources for the Future Inc., 1755 Massachusetts Ave. N.W., Washington, D.C. 20036.

- HOWELL, PROF. CHARLES E. Sociology. See A-K Vol, 11th ed, Soc. & Behav. Vols. Change of address: 1105 S. Seventh St, Mountain Home, Ark. 72653.
- HOWELL, PROF. D. L., b. Birmingham, Ala. June 11, 26; m. 52; c. 1. MAN-AGEMENT. B.S. Alabama, 50, M.A., 53, Ph.D.(mgd), 63. Acct. Alta. Power Co., 51-53; U.S. Pipe & Foundry Co., 54-56; syssts. & procedures work, Am. Cast Iron Pipe Co., 56-59; asst. prof. bus. Troy State, 59-63; prof. mgt. Southern Mississippi, 64-65; head dept. Troy State, 66-67, v.pres, 67-68; PROF. MGT. & CHMN. DEPT. MISSISSIPPI, 68. U.S.A., 43-45, Res. 52-65, Capt. Indust. Rels. Res. Assn. Arbit. Assn. Soc. Training & Develop. Acad. Mgt. Personnel management; management development. Publ: College courses in personnel management and their respective values, Personnel Adminstr., 11-12/65; Problems of proliferation in offerings in business administration courses at former teachers colleges, Collegiate News & Views, 10/67; Cooperative supervisory training programs, Personnel, 1-2/70. Address: School of Business, University of Mississippi, University, Miss. 38677.
- HOWELL, DR. DAVID CHARLES, b. Buffalo, N.Y. June 29, 41; m. 63; c. 1. PSYCHOLOGY. B.A., Middlebury Col., 63; M.S., Tulane, 65, Ph.D.(psychol), 67. ASST. PROF. PSYCHOL. VERMONT, 67. Univ. Vermont Nat. Sci. Found. Inst. grant, 67-68. AAS: Psychol. Assn. Psychological statistics; verbal learning; decision making. Publ: Co-auth, Association rules in the prediction of recall from free-association matrices, Psychol. Bull., 70: 201-209; auth, Normative and idiosyncratic sources of recall and misrecall, 80: 85-90 & Free-association reliability as a function of response strength, (in press), J. Exp. Psychol. Address: Dept. of Psychology, University of Vermont, Burlington, Vt. 05401.
- HOWELL, PROF. JOHN C. Christian Ethics. See 5th ed, Dir. Am. Scholars, Vol. IV, Philos, Relig. & Law.
- HOWELL, PROF. JOHN M(CADE). International Law & Relations. See A-K Vol, 11th ed, Soc. & Behav. Vols. New position: Dean, 69-. Graduate School, East Carolina University, Box 2733, Greenville, N.C. 27834.
- HOWELL, DR. RICHARD (WESLEY), b. Berkeley, Calif. Sept. 6, 26; m. 48; c. 4. ANTHROPOLOGY, LINGUISTICS. A.B. California, Berkeley, 49, Ph.D.(anthrop), 67; M.A., Hawaii, 51; George Washington, 54-57, Kyushu, 58-59. Analyst inst, Nat. Security Agency, 53-58; tech. consult. cryptology, Army Security Agency, 58-62; asst. prof. anthrop, Richmond Col.(N.Y.), 67-69; ASSOC. PROF. social, Saskatchewan, 69-70; ANTHROP. HAWAII, HILO, 70. U.S. Off. Ed. grant, 68-69. U.S.A., 45-46, S/Sgt. Anthrop. Assn. Linguistically oriented approaches to human behavior, sociolinguistics, psycholinguistics and ethnolinguistics. Publ: A study of informal learning, U.S. Off. Ed., 69; Linguistic choice levels of social change, Am. Anthropologist, 68; co-auth, Hesitation in the production of speech, J. Gen. Psychol., 69. Address: c/o Benn, 406 Tenth St, Antioch, Calif. 94509.
- HOWELL, PROF. WILLIAM HARRY, b. Wilson, N.C. Feb. 14, 21; m. 61; c. 1. SOCIOLOGY. B. J.C. Smith Univ., 43; M.A., Atlanta, 47; Case Western Reserve, 49-50; Ph.D.(sociol), Ohio State, 57. ASSOC. PROF. SOCIOL. S.C. State Col., 53-57, prof. 57-61, chmn. dept. 60-61; PROF. NORTH CAROLINA CENTRAL, 61-, CHMN. DEPT. 66- Co-prin. investr. Nat. Inst. Ment. Health res. grant, 63-64. Qm.C. U.S.A., 43-46, Sgt. Fel. Sociol. Assn. Race relations; aged and role participation. Publ: Co-auth, Role characteristics of flexible and inflexible retired persons, Sociol. & Soc. Res., 1/65 & The problems of role adjustment of the retired, Varia, 5/69. Address: Dept. of Sociology, North Carolina Central University, Box 19701, Durham, N.C. 27707.
- HOWLAND, PROF. RICHARD HENRY, b. Grand Rapids, Mich. Mar. 27, 25; m. 58; c. 6. MARKETING. B.A., Michigan, 49, Ph.D., 64; M.S., Simmons Col., 50. Coordinator retailing & Eng. Cent. & Creston High Schs. & Grand Rapids Jr. Col., 50-55; assoc. prof. mkt. & head dept, Ferris State Col., 55-64; PROF. MKT. & HEAD DEPT. NORTHERN ILLINOIS, 64-. Pres, Howland Enterprises, 63; R.H. Howland & Assocs., 65-, founder & pres, Four-Way Selling, 67-. U.S.A.A.F., 43-45, T/Sgt; Presidential Citation, Air Medal & Six Oak Leaf Clusters. Mkt. Assn; Sales & Mkt. Execs. Int. Marketing feasibility studies; sales training and executive development seminars. Publ: Co-auth, Principles of marketing, Pitman, 61; auth, Promote properly or perish, Mkt. Retailer's Annual, J., 62. Address: 364 Rolfe Rd, De Kalb, Ill. 60115.
- HOWREY, DR. E(UGENE) PHILIP. Economics. See A-K Vol, 11th ed, Soc. & Behav. Vols. New position & address: Assoc. prof., 69-, Dept. of Economics, University of Pennsylvania, Philadelphia, Pa. 19104.
- HOYT, PROF. DONALD (PAUL). Psychology. See A-K Vol, 11th ed, Soc. & Behav. Vols. New position & address: Prof. psychol. & ed. & dir. ed. res, Kansas State, 68-. Address: 2806 Oregon Lane, Manhattan, Kans. 66502.
- HOYT, PROF. KENNETH BOYD. Counseling, Guidance. See A-K Vol, 11th ed, Soc. & Behav. Vols. New position & address: Prof., College of Education, University of Maryland, College Park, Md. 20740.
- HSIANG, DR. PAUL S. Philosophy. See 5th ed, Dir. of Am. Scholars, Vol. IV, Philos, Relig. & Law.
- HSIAO, DR. FRANK SHENG-TIEH, b. Taiwan, Sept. 14, 33; m. 68. ECONOMICS. B.A., Taiwan, 56, M.A., 59; fel. Rochester, 61-64, M.A., 64, Ph.D.(econ), 67. Vis. asst. prof. ECON. COLORADO, 66-67, asst. prof. 67-69, ASSOC. PROF. 69-. Summers, res. grant, Colorado, 68, res. initiation faculty fel, 69. Econ. Assn; Statist. Assn; Economet. Soc; Royal Econ. Soc. Economic theory; mathematical economics; mathematical models of economic growth and development; optimal growth; technological changes. Publ: Technical progress and the production function, a synthesis. In: Papers in quantitative economics, Univ. Kansas, 68; Some notes on the elasticity of substitution, Am. Econ. Rev., 69; The diagrammatical representation of con-
- fidence interval estimation and hypothesis testing, Am. Statistician, 70. Address: Dept. of Economics, University of Colorado, Boulder, Colo. 80302.
- HSIEH, ALICE LANGLEY. Political Science. See A-K Vol, 11th ed, Soc. & Behav. Vols. New position & address: Sr. res. staff mem., 69-. Institute for Defense Analyses, 400 Army-Navy Dr, Washington, D.C. 22202.
- HSIN, PROF. YING, b. Linchuen Hsien, China, Oct. 22, 14; m. U.S. citizen; m. c. 2. ECONOMICS, MATHEMATICS. B.A., Nat. Univ. Peking, 39; M.A., Michigan, 46, fel. & Ph.D.(econ), 47; Columbia, 65-67. PROF. econ, Tex. Col., 60-61, math, B.S. Phila., 61-62; Winston-Salem State, 62-64; ECON. Methodist Col., 67-68; ELIZABETH CITY STATE, 68-. Price theory and Red China's economic problems; comparative systems and the problem of red nationalism to internationalism. Publ: Keynesian economics, 52 & Red China's foreign trade, 54, Union Press; Economic analysis, China Enterprise Co., 56. Address: 204 Queen St, Elizabeth City, N.C. 27809.
- HSIUNG, DR. JAMES CHIEH. Political Science. See A-K Vol, 11th ed, Soc. & Behav. Vols. New position: Assoc. prof. polit. & chmn. East Asian Prof. N.Y. Univ., 69-. Address: 88-80 195th Place, Hollis Park Gardens, N.Y. 11423.
- HU, DR. TE CHIANG, b. Peiping, China, Nov. 28, 30; U.S. citizen; m. 60; c. 3. APPLIED MATHEMATICS, COMPUTER SCIENCE. B.S., Taiwan, 53; M.S., Illinois, 56; Ph.D.(appl. math), Brown, 60. Mathematician, IBM Res. Center, 60-64; assoc. prof. ops. res, California, Berkeley, 64-65; Columbia, 65-66; MATH. & COMPUT. SCI., WISCONSIN, MADISON, 66-68, PROF., 68-. Permanent mem, Math. Res. Center, Univ. Wisconsin, 68-. Mathematician, IBM Res. Center, 65-66. Consult. Rand Corp. 64; Off. of Emergency Preparedness, Exec. Off. of President, 68-. Soc. Indust. & Appl. Math; Ops. Res. Soc. Am. Discrete optimization; integer programming; network flows; combinatorial mathematics; mathematical programming; operations research; plasticity. Publ: Integer programming and network flows, Addison-Wesley, 69. Address: Mathematics Research Center, University of Wisconsin, Madison, Wis. 53706.
- HU, DR. TEH-WEI, b. Shanghai, China, Oct. 10, 37; m. 65; c. 2. ECONOMICS. B.A., Tunghai, 59; M.A., Wisconsin, Madison, 65, Ph.D.(econ), 67. Statist. analyst econ. dept, World Bank, 63-64; asst. prof. ECON. PA. STATE, 66-69. ASSOC. PROF. 69-. RES. ASSOC. INST. RES. ON HUMAN RESOURCES, 66-. Consult. dept. ed, State of N.J., 69. Econ. Assn; Economet. Soc; Statist. Assn. Econometrics; cost-benefit analysis; economics of education and health. Publ: Introduction to economics, Barnes, 71; co-auth, The economic returns to vocational education, J. Human Resources, fall 70; auth, Hyperinflation and the dynamics of the demand for money in China, J. Polit. Econ., 71. Address: 425 Kemmerer Rd, State College, Pa. 16801.
- HUANG, DR. I-NING, b. Hangchow, China, Dec. 11, 39; m. 64; c. 1. LEARNING PSYCHOLOGY. B.S., Taiwan, 61; M.A., New Mexico State, 64; Ph.D. (learning psychol), Texas, 68. Res. assoc. computer-assisted instr. lab, col. ed, Texas, 66-68. ASST. PROF. PSYCHOL. WISCONSIN STATE WHITE-WATER, 68. Wis. State Univ. state res. cmr. grants, 69-70. Successive contrast effects and theories of extinction in learning; selective feedbacks in paired-associates learning. Publ: Successive contrast effects as a function of type and magnitude of reward, J. Exp. Psychol., 82: 64-69; co-auth, The effect of initial reward on the rate of reacquisition, Psychonomic Sci., 18: 39-40. Address: Dept. of Psychology, Wisconsin State University, White-water, Wis. 53190.
- HUBBARD, DR. CHARLES W(ALTER), b. Houston, Tex., Oct. 24, 40; m. 60; c. 2. BUSINESS ADMINISTRATION. B.B.A., Houston, 63, M.B.A., 65; Am. Risk & Ins. Assn. summer fel, Arkansas, 68, Ph.D.(bus. admin), 70. Instr. mgt., Arkansas, 67-68; ASST. PROF. MKT. Bowling Green State, 68-70; KANSAS STATE, 70-. U.S.A.R., 63-69. Problems of sales force turnover and monetary allocations to advertising and sales promotion programs, measuring the effects of such allocations. Publ: Cut your advertising budget lately? Bur. Bus. Serv., Res. Eastern Michigan, 69; The shelving of increased sales. J. Retailing, winter 69-70; The college market: rich if you can reach it, Ins. Salesman, 3/70. Address: College of Commerce, Kansas State University, Calvin Hall, Manhattan, Kans. 66502.
- HUBBARD, DR. HAROLD (GENE). Social Psychology. See A-K Vol, 11th ed, Soc. & Behav. Vols. New position: Consult. prin. Fry Consults, Inc., 68-. Address: California State College at Long Beach, Long Beach, Calif. 90804.
- HUBER, DR. GEORGE P., b. St. Louis, Mo. Sept. 22, 36; m. 60; c. 3. INDUSTRIAL ENGINEERING, ORGANIZATION THEORY. B.S., Missouri, 58, M.S., 61; Ph.D.(indust. eng), Purdue, 66. Stress analyst, Emerson Elec. Mfg. Co., 59, reliability engr., 59-60; area indust. engr. Procter & Gamble Mfg. Co., 61-62, dept. mgr. prod., 62-63; instr. indust. eng., Purdue, 64-65; asst. prof., WISCONSIN, MADISON, 65-68, ASSOC. PROF. PROD. MGT., 66. U.S.A., 58-59, 1st Lt. Inst. Mgt. Sci.; Inst. Indust. Eng. Organization theory; behavioral decision theory; personnel staffing systems design, job design, productivity and motivation analysis; wage and salary administration. Publ: Co-auth, A computer aided approach to employment service placement and counseling, Mgt. Sci., 7/69, A study subjective evaluation methods, Behav. Sci., Dela., 69. A comparison of five utility models for predicting job preference, Orgn. Performance & Human Behav., (in press). Address: Dept. of Industrial Engineering, School of Business, University of Wisconsin, Madison, Wis. 53706.
- HUBER, DR. JAMES H., b. Nanticoke, Pa., Aug. 3, 39; m. 60. SOCIOLOGY. B.S., Bloomsburg State Col., 62; West Virginia, 62-63; M.A., Delaware, 64; U.S. Off. Ed. grant, Pa. State, 68-69, Ph.D.(sociol), 70. Census dir., Dela., 63-65, asst. dir. SOCIOL. PA. State, 64-68, prof. dir. U.S. Off. Ed. & Pa. State, 68-69; res. asst., Pa. State, 69; sr. res. scientist, N.Y. State Dept. Soc. Serv., 69-70; ASST. PROF. URBAN STUDIES, AKRON, 70-. Sociol. Assn. Sociology of occupations and professions; higher education; social services delivery systems. Publ: A process approach to the professionalization of

- sociology, Et Al, summer 66; The occupational roles of college professors, Mongr, U.S. Govt, 70. Address: Dept. of Urban Studies, University of Akron, Akron, Ohio 44304.
- HUBER, DR. WOLFGANG KARL. Psychiatry. See Suppl. V to 11th ed, Phys. & Biol. Vols.
- HUCKABEE, PROF. MALCOLM WAYNE, b. Olton, Tex, Nov. 22, 34; m. 57; c. 3. PSYCHOLOGY. B.A. Miss. Col, 56; Fulbright fel, Edinburgh, 56-57; B.D. Southwest Baptist Theol. Sem, 60; M.A. Texas Christian U; Nat. Sci. Found. fel. & Ph.D. (psychol), Southern Mississippi, 65. Dir. rehab. Goodwill Industrs. Fl. Worth, Tex, 57-61; counselor, guid center, Texas Christian, 61; instr. psychol, Judson Col, 61-63, asst. prof. psychol. & chmn. instrl. res, 63-66; assoc. prof. psychol, SOUTHERN MISSISSIPPI, 66-68, PROF. PSYCHOL. & DIR. GRAD. STUDIES PSYCHOL, 68-. AAS: Soc. Sci. Study Relig; Psychol. Assn. Cognitive styles; individual differences in perception; adaptation level theory; correlates of academic performance; judgements of religious symbols; religious development. Address: Dept. of Psychology, University of Southern Mississippi, Hattiesburg, Miss. 39401.
- HUCKINS, PROF. WESLEY CONRAD, b. Sundance, Wyo, Aug. 12, 18; m. 42; c. 4. GUIDANCE & COUNSELING. B.S. Ed, Black Hills State Col, 53; M.A., Wyoming, 55, Nat. Defense Ed. Act fel, 60-63, Ed.D. (counseling, guid), 63. Instr., high sch, Wyo, 45-47; indust. arts, Black Hills State Col, 53-54; supt. schs, Sundance Pub. Schs, 55-59; counsr, Sheridan High Sch, 59-60; instr. gen. psychol, Univ. Wyoming, 62-63; assoc. prof. GUID. & COUNSELING, Ore. State Syst. Higher Ed, 63-68; PROF. WRIGHT STATE, 68-. Res. consult, Inst. Devel. Ed. Activities, Kettering Found, 67-68. U.S.A. F, 41-45, 1st Lt. Psychol. Assn; Personnel & Guid. Assn; Asn. Counsr. Ed. & Supv. Legal and ethical status of school counselors; interaction processes in classrooms and in small groups. Publ: Co-auth, Readings in educational psychology, Int. Textbook, 66 & Readings in human development, Allyn & Bacon, 67, 2nd ed, 71; auth, Legal and ethical aspects of guidance, Houghton, 68. Address: 2309 Randy Dr., Kettering, Ohio 45440.
- HUDDLE, DR. DONALD L(ROY). Economics. See A-K Vol, 11th ed, Soc. & Behav. Vols. New information: Also chmn., 69-. Dept. of Economics, Rice University, Houston, Tex. 77001.
- HUDDLESTON, PROF. DWIGHT L. b. Rose Hill, Ill, Nov. 11, 08; m. 46; c. 1. GEOGRAPHY. B.S. Ed. & M.S. Ed, Eastern Illinois, 60; summers, Indiana State, 65-66, Ouachita Baptist, 67. Teacher pub. schs, Ill, 28-38; meat inspector, U.S. Bur. Agr. Econ, 38-41, 46-47 & 48-50; supvr. technicians, Mex-Am. Cmn. for Eradication of Hoof & Mouth Disease, Mex. Bur. Agr. Econ, 48-50; self-employed, 50-54; instr. pub. schs, Ill, 57-58; ASSOC. PROF. GEOG. SOUTH. STATE COL. (ARK), 62-. Consult, Am. Inst. Urban & Regional Affairs, 68-. Med. C. U.S.A., 41-46, M/Sgt. Asn. Am. Geog. Soc; Am. Inst. Urban & Regional Affairs; Nat. Coun. Geog. Ed. The Panuco River Basin and its economic development; China and the American predicament in Viet Nam; the impact of the Ejido system on social consciousness in Mexico. Address: Dept. of Geography, Southern State College, Magnolia, Ark. 71753.
- HUDSON, DR. CHARLES MELVIN, JR, b. Monterey, Ky, Dec. 24, 32; m. 68; c. 2. ANTHROPOLOGY, ETHNOHISTORY. A.B. Kentucky, 59; Woodrow Wilson Found. fel, North Carolina, 59-60, South. Fel. Found. fel, 60-62, Nat. Inst. Ment. Health, fel, 63-64, Ph.D. (anthrop), 65. Asst. prof. ANTHROP. GEORGIA, 64-68, ASSOC. PROF. 68-. U.S.A. F, 50-54, S/Sgt. Ethnol. Soc; Soc. Ethnohist. History and culture of Indians of Southeastern United States; structure of preliterate and folk belief systems. Publ: The Catawba nation, Univ. Georgia, 70; Isometric advantages of the cradle board, Am. Anthropological, 66; Folk history and ethnohistory, Ethnohistory, 66. Address: Dept. of Sociology and Anthropology, University of Georgia, Athens, Ga. 30601.
- HUDSON, DR. ESTEL H. b. Montevillo, Mo, Oct. 17, 28; m. 55; c. 3. AGRICULTURAL ECONOMICS. B.S. Missouri, 53, M.S., 57, Ph.D. (agr. econ), 62. County agent, Univ. Missouri, 55-56, instr. agr. econ, 57-62; asst. prof., Tennessee, 62-65; ASSOC. PROF. ECON. CENT. MO. STATE COL., 65-. U.S.A. F, 53-55. Agr. Econ. Asn. Planning farms by linear programming and budgeting procedures. Address: Dept. of Economics, Central Missouri State College, Warrensburg, Mo. 64093.
- HUDSON, PROF. JOHN B(OSWELL), b. Deatur, Ill, June 1, 30; m. c. 2. SOCIOLOGY. B.A. Oregon, 52; M.A., Washington (Seattle), 56; Ph.D. (sociol), Cornell, 63. Asst. prof. sociol, Humbolt State Col, 60-61; family rels, Cornell, 61-64; sociol, Lehigh, 64-65; Syracuse, 65-66; res. assoc. med. sch, Harvard, 66-67; res. sociologist, State Dept. Ment. Health, Mass, 67-68; sr. sociologist, Abt. Assocos, Inc, 68-69; asst. prof. SOCIOLOG. TRENT, 69-70, PROF. 70-. Lectr. Boston Col, 66-69; Harvard, 67-69; Soc. Sci. Res. Coun. fel, summer 64. Consult, Nash-Vigier Planning Consults, Inc, Mass, 68; res. consult, Jefferson Med. Col, 64-65. Am. Sociol. Assn; Can. Sociol. & Anthropol. Assn. Theoretical research on creative behavior and the process of organizational innovation; theoretical and methodological studies to optimize process of research and development linking basic research to solution of social problems. Publ: Theory construction as research method, Free Press, 71. Address: Dept. of Sociology, Trent University, Peterborough, Ont, Can.
- HUDSON, DR. ROBERT LEWIS, b. Calico Rock, Ark, Oct. 25, 42; m. 64; c. 2. EXPERIMENTAL PSYCHOLOGY. B.A., Arkansas, 64, Arkansas fel, 65-67, M.A., 66, Ph.D. (psychol), 67. Lectr. PSYCHOL. CENT. Wash. State Col, 67-68; ASST. PROF. MISS. STATE, 68-. Consult, bur. Indian affairs summer workshop, Cent. Wash. State Col, 68. Psychol. Asn. Human memory; language processes; verbal learning; thinking. Publ: Category clustering as a function of level of information or number of stimulus presentations, J. Verbal Learning & Verbal Behav., 7: 1106-1122; Category clustering for immediate and delayed recall as a function of recall cue information and response dominance variability, J. Exp. Psychol., 82: 575-577; co-auth, A major modification of the Bousfield (1966) measure of category clustering, Behav. Res. Methods & Instrumentation 1: 110-111. Address: P.O. Drawer PF, Dept. of Psychology, Mississippi State University, State College, Miss. 39762.
- HUDSPETH, DR. WILLIAM JEAN. Psychobiology. See Suppl. VI to 11th ed, Phys. & Biol. Vols.
- HUEGLI, PRES. ALBERT (GEORGE). Political Science. See A-K Vol, 11th ed, Soc. & Behav. Vols. New position: Pres, 68-, Valparaiso University, Valparaiso, Ind. 46383.
- HUESMANN, DR. L. ROWELL, b. Detroit, Mich, Jan. 20, 43; m. 64; c. 1. COMPUTER SCIENCE, PSYCHOLOGY. B.S. Michigan, 64; U.S. Pub. Health Serv. fel, Carnegie Inst. Tech, 65-68, M.S., 67, Ph.D. (sys. sci), Carnegie Mellon, 69. Data analyst geophys, Inst. Sci. & Tech, summer 62; res. asst. geophys, Michigan, 63-64; res. asst. sys. sci, Carnegie-Mellon, 64-68; lectr. psychol, YALE, 68-69, ASST. PROF. PSYCHOL. & COMPUT. SCI, 69-. Summers, staff scientist, Mitre Corp, 66; participant, workshop in perception & psychophys, 70. Ed. consult, Am. Scientist, 69; Jour. Math. Psychol, 70. Asn. Comput. Mach; Psychol. Asn; Psychomet. Soc. Artificial intelligence; simulation; psychometrics; heuristic programming; man-machine interaction. Publ: Co-auth, Evaluating computer systems through simulation, Comput. Jour, 67; auth, A model for asymmetry of recall in relational triads, Psychonomic Sci, 69 & Study of heuristic learning methods for optimization tasks, Am. Fedn. Info. Processing Societies Proc, 70. Address: Dept. of Psychology, Yale University, New Haven, Conn. 06510.
- HUFF, DR. HARRY BRUCE, b. Pictou, Ont, Nov. 2, 42; m. 66; c. 1. AGRICULTURAL ECONOMICS. B.S.A. Guelph, 65; M.Sc. Mich. State, 67, Can. Coun. fel, 68-69, Ph.D. (agr. econ), 69. Res. asst, Mich. State, 65-69; ASSOC. PROF. AGR. ECON. GUELPH, 69-. Am. Econ. Asn; Am. Agr. Econ. Asn; Can. Econ. Asn; Can. Agr. Econ. Soc. Publ: The Canadian wheat economy, Agr. Econ. Res. Coun. Can, 69; Marketing of Canadian wheat, Agr. Econ. Dept, Mich. State Univ, 69; Canada's future role in the world wheat market, Can. J. Agr. Econ., 2/69. Address: Dept. of Agricultural Economics, University of Guelph, Guelph, Ont, Can.
- HUFF, PROF. RITA BELL, b. Cushing, Okla, Apr. 5, 24. BUSINESS ADMINISTRATION. B.S. Okla. State, 46, M.S., 51; D. Ed. (bus. ed), Houston, 63. Secy. to chief justice, Okla. State Supreme Court, 46-49; teacher pub. schs, Okla, 49-53; legal secy. & acct, Mul-Berry Oil Co, Okla, 53-54; teacher pub. schs, Tex, 54-56; bus, San Antonio Col, 56-57; PROF. BUS. ADMIN. SAN HOUSTON STATE, 57-. Mem. Inst. Certifying Secretaries. Inst. Cert. Pub. Act; Inst. Cert. Pfnl. Secretaries; Nat. Bus. Ed. Asn. Accounting; office management; business education. Publ: Does evaluation in book-keeping bother you?, Bus. Ed. Forum, 3/64; Specialization vs. generalization: Specialized study pays!, Collegiate News & Views, 5/65; Current status of accounting in higher education, Delta Pi Epsilon J, 8/69. Address: Dept. of Business Administration, Sam Houston State University, Huntsville, Tex. 77340.
- HUFFAKER, PROF. CARL L(EO). Psychology, Education. See A-K Vol, 11th ed, Soc. & Behav. Vols. Change of address: 1601 Oliver St, Apt. 907, Eugene, Ore. 97401.
- HUFFMAN, ARTHUR V(INCENT). Sociology. See A-K Vol, 11th ed, Soc. & Behav. Vols. New position: Chief of police, 70-, Dept. Corrections, State of Illinois, 201 State Armory Bldg, Springfield, Ill. 62706.
- HUFFMAN, PROF. JAMES FLOYD. Speech, History. See 5th ed, Dir. Am. Scholars, Vol. II, Eng. Speech & Drama.
- HUGHES, DR. CHARLES L(LOYD). Industrial Psychology. See A-K Vol, 11th ed, Soc. & Behav. Vols. New position: Dir. corp. indust. rels, 69-, Texas Instruments Inc, P.O. Box 5474, Dallas, Tex. 75222.
- HUGHES, PROF. EUGENE H(ARLEY). Economics, Marketing. See A-K Vol, 11th ed, Soc. & Behav. Vols. New information: Lec. Sacramento State Col, 68-. Address: 6676 Gloria Dr, Sacramento, Calif. 95831.
- HUGHES, PROF. EVERETT (CHERRINGTON). Sociology. See A-K Vol, 11th ed, Soc. & Behav. Vols. New information: Vis. prof, Boston Col, 68-71. Address: 27 Shepard St, Cambridge, Mass. 02138.
- HUGHES, DR. HAROLD. Economics, Business Administration. See A-K Vol, 11th ed, Soc. & Behav. Vols. Change of address: 812 Eighth St, Orange, Tex. 77630.
- HUGHES, DR. HEIDI B(RUNNER), b. Zurich, Switz, May 24, 30; U.S. citizen. PSYCHOLOGY. Matura, Töcherschule, Zurich, Switz, 50; B.A., Westman Col, 54; M.A., Southern Illinois, 62, Ph.D. (clin. psychol), 66. Recreational therapist, Yankton State Hosp, S.Dak, 54-55; rehab. dir, Kane County Tuberc Sanit, Aurora, Ill, 55-60; res. assoc. behav. modification, Anna State Hosp, Ill, summer 63, clin. intern psychol, 63-64, ward adminstr, 64-66; prin. invest. Inst. Behav. Res. Md, 66-68; ASST. PROF. PSYCHOL. DALHOUSIE, 68-. Psychol. Asn; Translators Asn. Human applications of operant conditioning techniques; behavioral therapy and research; learning; language and verbal behavior. Address: Dept. of Psychology, Dalhousie University, Halifax, N.S., Can.
- HUGHEY, DR. JIM DUFF. Speech. See 5th ed, Dir. Am. Scholars, Vol. II, Eng. Speech & Drama.
- HUITEMA, DR. BRADLEY E. b. Hammond, Ind, July 28, 38; m. 61; c. 2. PSYCHOLOGY. B.A., Southern Illinois, 61; M.A., Western Michigan, 62, Ph.D. (psychol), Colorado State, 68. Res. psychologist, U.S. Army Enlisted Eval. Center, 62-64; asst. res. prof. Teaching Res. Div, Oregon State Syst, 67-68; ASST. PROF. PSYCHOL, WESTERN MICH, 68-. Instr. evening div, Ind. Cent. Col, 63-. Ed. consult, State Farm Ins. Co, 67-68. Psychol. Asn; Ed. Res. Asn; Statist. Asn. Personnel research; experimental design; mul-

- tivariate analysis; psychometrics. Address: Dept. of Psychology, Western Michigan University, Kalamazoo, Mich. 49001.
- HULBERT, PROF. THOMAS EUGENE**, b. Ft. Edward, N.Y., Sept. 1, 35; m. 57; c. 6. **INDUSTRIAL ENGINEERING**. B. Mgt. E. Rensselaer Polytech. 57; M.S., Northeastern, 64. Proj. indust. eng. Armstrong Cork Co., Mass. 57-60; sr. indust. eng. indust. components div., Raytheon Co., 60-63; **ASSOC. PROF. INDUST. ENG., NORTHEASTERN**, 63-64. **ASST. DEAN COL. ENG.**, 69-; assoc. dir. off. ed. resources, 67-69. Consult., Raytheon Co., Mass.; Huller Mfg. Co.; McElwain Shoe Co., N.H.; Hersey Sparring Meter Co.; Worthington Controls Co., Mass.; Morgan Memorial-Goodwill Indust.; Prin-Eng. Mgt. Assocs., Mass. **Inst. Indust. Eng. Soc. Eng. Ed. Computer based learning; systems analysis; knowledge from manufacturing, production, and operations research applied to instructional problem solving.** Publ: Co-auth. A systems model for instructional service. In: *Handbook for college and university administration*, McGraw, 70. Address: School of Engineering, Northeastern University, Boston, Mass. 02115.
- HULL, PROF. EUGENE L.** Economics, Finance. See A-K Vol. 11th ed, Soc. & Behav. Vols. New position & address: Dir. bus. & financial affairs, 70-; Barry College, 11300 N.E. Second Ave, Miami Shores, Fla. 33161.
- HULSE, PROF. STEWART (HARDING), JR.** Experimental Psychology. See A-K Vol. 11th ed, Soc. & Behav. Vols. New position: Prof. 69-; Dept. of Psychology, Johns Hopkins University, Baltimore, Md. 21218.
- HUMBARGER, DR. GEORGE LAUREN**, b. Decatur, Ind. July 15, 23; m. 47; c. 4. **BUSINESS ADMINISTRATION**. B.S. Huntington Col. 54; 33; M.A., Bloomington, 62. Ph.D. 69. Chmn. dept. bus. admin. IND. CENT. COL., 62-69; **PROF. BUS. ADMIN. & CHMN. DEPT.** BUS. ADMIN. & ECON., 69- U.S.N. 42-45. Ens. The influence of teaching methods and textbooks on learning achievement of students in accounting. Publ: Elementary bookkeeping, 65 & Introduction to management, 69. Ind. Cent. Coll. Address: Dept. of Business Administration & Economics, Indiana Central College, 4001 S. Otterbein, Indianapolis, Ind. 46227.
- HUMPHREYS, PROF. LLOYD (GIRTON)**. Psychology. See A-K Vol. 11th ed, Soc. & Behav. Vols. New position: Prof. ed. & psychol. no longer head, Dept. of Psychology, University of Illinois, Urbana, Ill. 61801.
- HUMPHREYS, PROF. WILLIAM BENJAMIN**, b. Lexington, Tenn. Apr. 24, 29; m. 51; c. 3. **GUIDANCE, COUNSELING**. B.A. Murray State Col. 50, M.A. 62; Ed.D. (counseling), Indiana, Bloomington, 67. Teacher, high sch. Tenn., 50-51; Mo., 53-54; mgr. Gideon-Anderson Grain Elevators, 54-61; asst. prof. guid. & counseling, Murray State, 62-65; Instr. Nat. Defense Ed. Act Inst. Indiana, Bloomington, 65-66; assoc. prof. GUID. & COUNSELING, MURRAY STATE, 66-69; **PROF. & CHMN. DEPT.** 69- Chmn. elem. guid. adv. cmt. State Dept. Ed. Ky., 64-68. U.S.A. 51-53. Personnel & Guid. Assn.; Assn. Counsr. Ed. & Supv.; Psychol. Assn. Counseling practicum supervision; organization and administration of counseling services. Publ: Guidance in the elementary school. Ky. State Dept. Ed. Bull. 68. Address: Dept. of Guidance & Counseling, Murray State University, Murray, Ky. 42071.
- HUNERVAGER, DR. S (HERWOOD) (GEORGE)**. Business Psychology. See A-K Vol. 11th ed, Soc. & Behav. Vols. New information: Also assoc. dean, 68-; College of Business Administration, University of Illinois, Box 4348, Chicago, Ill. 60690.
- HUNEYCUPT, PROF. ARCHER W (AYBURN)**, b. Sparkman, Ark. July 5, 31; m. 53; c. 2. **MARKETING, ORGANIZATIONAL BEHAVIOR**. B.S. Arkansas State, 57; M.B.A. Arkansas, 59. Ph.D. (mkt), 66. Res. asst. bus. & econ. Arkansas, 57-58; instr. bus. Southwest Mo. State Col. 58-61; econ. Arkansas, 61-62; asst. prof. bus. Southwest Mo. State Col. 62-66; instr. econ. Western Illinois, 66; assoc. prof. MKT. Arkansas, 66-67; **PROF. LA. POLYTECH.**, 67- U.S.A.F. 50-54, S/Sgt. Mkt. Assn. Marketing research and management; consumer behavior; advertising; microeconomics; management; organization behavior. Address: Dept. of Marketing, Louisiana Polytechnic Institute, Ruston, La. 71270.
- HUNG, DR. FRED C (HIA-CHUN)**. Economics. See A-K Vol. 11th ed, Soc. & Behav. Vols. New position: Prof. econ. & chmn. East Asian Studies Cmt., 68-; Dept. of Economics, University of Hawaii, Honolulu, Hawaii 96822.
- HUNGATE, DEAN ROBERT PAUL**. Finance. See A-K Vol. 11th ed, Soc. & Behav. Vols. New position & address: Dean, 69-; School of Business Administration, San Diego State College, San Diego, Calif. 92115.
- HUNT, DR. JAMES G (ERALD)**, b. Denver, Colo. Feb. 2, 32; m. 56; c. 3. **MANAGEMENT, BEHAVIORAL SCIENCE**. B.S. Michigan, 54; M.A., Illinois, 58. Ph.D. (bus), 66. Proj. engr. power develop. sect., Pontiac Motor Div., Gen. Motors Corp., 54-56; personnel asst., Mich. Limestone Div., U.S. Steel Corp., 57-58; instr. bus. admin. W. Va. Inst. Tech., 58-61; asst. prof. MGT. SOUTHERN ILLINOIS, 66-69; **ASSOC. PROF.**, 69- Ford Found. summer workshop, 68. Acad. Mgt. Applications of behavioral science research to simulated and real organizations. Publ: Fiedler's leadership contingency model: an empirical test in three organizations, *Orgn. Behav. & Human Performance*, 67; Status congruence in organizations: effects and suggested research, *Proc. Acad. Mgt.*, 67; co-auth. The new look in motivation theory for organizational research, *Human Orgn.*, 69. Address: Dept. of Management, Southern Illinois University, Carbondale, Ill. 62901.
- HUNT, LEON GIBSON**. Operations Research, Applied Mathematics. See Suppl. V to 11th ed, Phys. & Biol. Vols.
- HUNT, DR. MURIEL EYA**, b. Buenos Aires, Argentina, Apr. 12, 34; U.S. citizen; m. 60; c. 1. **SOCIAL ANTHROPOLOGY, ETHNOHISTORY**. Bachelierato, Womens Univ. Mexico, 52; Sch. Anthropol. Mex., 53-56; M.A., Chicago, 59. Ph.D. (anthrop), 62; fel. Northwestern, 61-62. Res. asst. SOC. ANTHROP., Chiapas Proj., Chicago, 58-60, lectr. univ. 66-58, asst. prof. 68-69; res. assoc. Northwestern, 63-64; **ASSOC. PROF.**, BOSONG, 69- Nat. Sci. Found. grant, Mex., 63-64. Mem. Intervillage Orgn. Ethnolist. Outstanding
- new citizen of year citation, Metrop. Coun. Chicago, Ill. 68. Fel. Anthropol. Asn. Social anthropology, especially social organization, peasants and kinship systems; Mexico and Latin America. Publ: Co-auth. Local and territorial units in Middle America, In: *Handbook of Middle American Indians*, Univ. Texas, Vol. 6, 87; auth. The meaning of kinship in San Juan: genealogical and social models, *Ethnology*, 69; The socio-political organization of Cuicatic Cacicazgos, Peabody Fund, Univ. Texas, (in press). Address: Dept. of Sociology & Anthropology, Boston University, 232 Bay State Rd., Boston, Mass. 02215.
- HUNT, DR. ROBERT CUSHMAN, JR.** Anthropology. See A-K Vol. 11th ed, Soc. & Behav. Vols. New position & address: Assoc. prof. 69-; Dept. of Anthropology, Brandeis University, Waltham, Mass. 02154.
- HUNT, DR. WILLIAM H (ARRISON)**. Political Science. See A-K Vol. 11th ed, Soc. & Behav. Vols. New position & address: Asst. prof. 68-; Dept. of Political Science, Youngstown State University, Youngstown, Ohio 44503.
- HUNTER, DR. JOHN EDWARD**, b. Dayton, Ohio, Mar. 29, 39; m. 60; c. 2. **PSYCHOLOGY**. Ph.D. (psychol), Illinois, 64. **ASST. PROF. PSYCHOL.**, MICH. STATE, 64- AAAS; Psychomet. Soc. Mathematics; learning; psychometrics. Address: Dept. of Psychology, Michigan State University, East Lansing, Mich. 48824.
- HUNTER, PROF. JOHN M (ERLIN)**. Economics. See A-K Vol. 11th ed, Soc. & Behav. Vols. New information: Also dir. Latin American Studies Center, 70-; Dept. of Economics, Michigan State University, East Lansing, Mich. 48823.
- HUNTER, PROF. JOHN ORR**. History, Government. See 5th ed. Dir. Am. Scholars, Vol. I, Hist.
- HUNTER, DR. STEVEN JOHN**. Economics. See A-K Vol. 11th ed, Soc. & Behav. Vols. New position: Exec. v.p.res. Mid. Banking Serv. Corp. 70- Address: 2731 N. Norwood St., Arlington, Va. 22207.
- HUNTING, DR. C (LARENCE) E (UGENE)**. Psychology. See A-K Vol. 11th ed, Soc. & Behav. Vols. New position: Asst. prof. comput. sci. Pittsburgh, 69- Address: P.O. Box 7376, Pittsburgh, Pa. 15213.
- HUNTINGTON, DR. DOROTHY A (LILSON)**, b. Boulder, Colo. June 1, 20. **SPEECH & HEARING SCIENCE, EXPERIMENTAL PHONETICS**. B.A. Colorado, 43. M.A., 44; M.S. Illinois, 49. fel. 50-52. Ph.D. (speech sci. exp. phonetics), 52. Instr. **SPEECH & HEARING SCI.**, STANFORD, 52-55. asst. prof. 55-61, **ASSOC. PROF.** 61- Consult. Int. Tel. & Tel. Corp. 58-63. Vet. Admin. 64. **Speech & Hearing Assn.** Acoustical Soc. Am. Publ: Co-auth. Speech discrimination of hearing-impaired individuals in noise, *J. Audiol.* Res. 65 & An electromyographic study of consonant articulation in hearing impaired and normal speakers, *J. Speech & Hearing Res.* 68; auth. Anatomical and physiological bases for speech, In: *Cleft palate and communication*, Acad. Press, 68. Address: Dept. of Speech & Hearing Science, Stanford University Medical Center, Stanford, Calif. 94305.
- HUNTINGTON, PROF. SAMUEL P (HILLIPS)**. Political Science. See A-K Vol. 11th ed, Soc. & Behav. Vols. New publ: Political order in changing societies, Yale, 68. Address: Center for International Affairs, Harvard University, 6 Divinity Ave, Cambridge, Mass. 02138.
- HUNTLEY, JAMES ROBERT**, b. Tacoma, Wash. July 27, 23; m. c. 4. **POLITICAL SCIENCE, INTERNATIONAL RELATIONS**. B.A. Washington (Seattle), 48. Carnegie fel. 51; M.A., Harvard, 56. Prog. secy. univ. Washington YMCA, 48-49; dir. Atlantic Recreation Coun. Seattle, 48; consult. State Parks & Recreation Cmn. Wash., 48-51; for. serv. officer, U.S. For. Serv. 52-60; exec. secy. Atlantic Inst. Paris & D.C. 60-65; prog. assoc. int. affairs, Ford Found. N.Y., 65-67; secy. gen. Atlantic Cos. London, 67-68; **WRITER, LECTR. & CONSULT. INT. AFFAIRS**, 68- Consult. Atlantic Coun. U.S. D.C. & Atlantic Int. Centre for Teachers, London, 68-; N. Atlantic Assembly, Brussels & Little Sci. & Tech. Pub. Ltd. Guildford, Eng. 69; Regional Coun. Int. Ed. Pittsburgh, Pa. 70- U.S.N. 43-46. Soc. Citizen Ed. World Affairs. Historical and contemporary development of relations between Europe and the United States and Canada; the growth of the Atlantic community of nations. Publ: Co-ed. The Atlantic community, force for peace, Nat. Assn. Sec. Sch. Prins. 63; auth. The NATO story, Manhattan, 65 & 69; co-auth. Europe and America—the new decade, Walker, 70. Address: Treetops, 17 Beech Lane, Guildford, Surrey, Eng.
- HUNTLEY, DR. P (ATRICK) R (OSS)**. Economics, Statistics. See A-K Vol. 11th ed, Soc. & Behav. Vols. New position & address: Prof. & head, 69-; Dept. of Quantitative Management Science, College of Business Administration, University of Arkansas, Fayetteville, Ark. 72701.
- HUNTLEY, DR. ROBERT ROSS**. Internal Medicine, Health Services Organization. See Suppl. V to 11th ed, Phys. & Biol. Vols.
- HURH, DR. WON MOO PAUL**. Sociology, Anthropology. See A-K Vol. 11th ed, Soc. & Behav. Vols. New position & address: Asst. prof. 69-; Dept. of Sociology & Anthropology, Western Illinois University, Macomb, Ill. 61455.
- HURST, DR. PAUL M (ITCHELL)**, JR. Experimental Psychology. See A-K Vol. 11th ed, Soc. & Behav. Vols. New position: Pres. 68-; Institute for Research, 257 S. Pugh St., State College, Pa. 16801.
- HURTER, DR. ARTHUR P (ATRICK), JR.** Economics. See A-K Vol. 11th ed, Soc. & Behav. Vols. New information: Also chmn. dept. indust. eng. & mgt. sci., Northwestern 69- Address: 1505 W. Norwood St., Chicago, Ill. 60626.
- HURWITZ, ABNER**. Economics. See A-K Vol. 11th ed, Soc. & Behav. Vols. New position: Prin. statist. adv. U.S. Agency Int. Develop. Bogotá, 69- Address: American Embassy, Bogotá, Colombia.
- HUSHAK, DR. LEROY J.** b. Clutier, Iowa, Sept. 15, 39; m. 65. **ECONOMICS, AGRICULTURAL ECONOMICS**. B.S. Iowa State, 61; M.A. & Ph.D. (econ),

Chicago, 68. ASST. PROF. AGR. ECON. OHIO STATE, 68- U.S.A.R. 61-69, Capt. Econ. Asn; Agr. Econ. Asn. Economics of education and education policy; agricultural policy; economics of development. Address: Dept. of Agricultural Economics, Ohio State University, 2120 Fyffe Rd, Columbus, Ohio 43210.

HUTCHINS, DR. EDWIN BURNELL. Social & Educational Psychology. See A-K Vol. 11th ed, Soc. & Behav. Vols. New information: Also asst. to v-pres. student affairs, 69-, Iowa State University, 119 Beardshear Hall, Ames, Iowa 50010.

HUTCHINSON, DR. GEORGE KEATING. b. Belfast, Maine, Nov. 20, 32; m. 58; c. 4. COMPUTER & MANAGEMENT SCIENCE. B.S. Maine, 55; M.S. Carnegie Inst., 56; Ph.D. (mgmt. sci), Stanford, 64. Teaching asst. mech. drawing & anal. geom., Carnegie Inst., 55-56; design engr., Lockheed Missiles & Space Co., 57-58, eng. ops. analyst, 58, math. analyst, 58-60, sr. math. analyst, 60-62, proj. leader & math. engr., 62-66; asst. prof. indust. eng. & dir. comput. center, Tech. Tech., 66-68; DIR. COMPUT. CENTER, WISCONSIN-MILWAUKEE, 68- Res. asst., West. Data Processing Center, Stanford, 59-60. AAAS: Asn. Comput. Mach. Oper. Res. Soc. Asn; Inst. Elec. & Electronics Eng. Inst. Mgt. Sci. Brit. Oper. Res. Soc. The use of computers and information processing devices as an extension of man's intellect. Address: University of Wisconsin-Milwaukee, Room 139 Mitchell Hall, Milwaukee, Wis. 53211.

HUTCHINSON, PROF. HARRY W(ILLIAM). Cultural Anthropology. See A-K Vol. 11th ed, Soc. & Behav. Vols. New information: Also actg. chmn., 69-, Dept. of Anthropology, University of Miami, Box 8123, Coral Gables, Fla. 33124.

HUTCHINSON, DR. JOSEPH C(ANDLER). Romance Languages. See 5th ed, Dir. Am. Scholars, Vol. III, For. Lang. Ling. & Philol.

HUTCHINSON, DR. EARL R. English, Mass Communications. See 5th ed, Dir. Am. Scholars, Vol. II, Eng. Speech & Drama.

HUTNER, DR. FRANCES CORNWALL. b. Middlebury, Vt., Dec. 5, 18; m. 43; c. 5. ECONOMICS, ECONOMIC HISTORY. A.B. Middlebury Col., 40; Ellis Isl. Columbia, 41-43; M.A. 43. Ph.D. (econ), 50. Instr. ECON. Smith Col. 43-47; lectr., Kenyon Col., 48-49; res. consult., Princeton, 51-53 & 62-63; LECTR., RUTGERS, 64- AAAS: Econ. Asn; Econ. Hist. Asn. Business history; government control of business; labor studies. Publ: The Farr Alpaca Company, Smith Col., 50. Address: 20 Hibben Rd, Princeton, N.J. 08540.

HUTSON, (WILLIE) (SOLOMON). Agricultural Economics. See A-K Vol. 11th ed, Soc. & Behav. Vols. New position: Economist, U.S. Dept. Labor, 67- Address: 1006 G St. S.E. Washington, D.C. 20003.

HUTTON, DR. JACK (OSSETT), JR. b. Denver, Colo., June 20, 31. EDUCATIONAL PSYCHOLOGY & MEASUREMENT. B.A. Denver, 53, M.A. 56; Ph.D. (ed. psychol), Connecticut, 68. Personnel psychologist, Reynolds, Merrill, Brunson & Assocs., Colo., 58-61; dir. psychol. center, Walter V. Clarke Assocs., R.I., 61-62; adj. asst. prof. & counselor, Newark Col. Eng., 62-63; lectr. ed. & counselor, Pennsylvania, 63-64; asst. Connecticut, 64-67; asst. prof. community dent. & ed. psychologist, Kentucky, 67-68; ASST. DIR. DIV. ED. MEASUREMENT & RES. ASN. AM. MED. COL. 68- Ed consult. sch. dent, West Virginia, 65-67. U.S.A. 56-58. Psychol. Asn; Ed. Res. Asn; Nat. Comm. Measurement in Ed; Asn. Higher Ed. College student development, especially professional school students; the college environment. Publ: Attitudes of dental students toward dental education and the profession, 9/68, An educational psychology in a dental school? What for? 7/69 & Aptitude and personality correlates of dental school performance, 12/69, J. Dent. Ed. Address: Division of Educational Measurement & Research, Association of American Medical Colleges, 1 Dupont Circle N.W., Washington, D.C. 20036.

HYBELS, PROF. ROBERT JAMES. History, Sociology. See 5th ed, Dir. Am. Scholars, Vol. I, Hist.

HYDE, DEAN ROY E. Rural Sociology. See A-K Vol. 11th ed, Soc. & Behav. Vols. Change of address: Rt. 4, Box K 16, Hammond, La. 70401.

HYLTON, DR. CARROLL G. b. Frankfort, Ind., Dec. 29, 31; m. 55; c. 2. SPEECH COMMUNICATION. B.A., Calif. State Col. Long Beach, 59; M.A., New Mexico, 60; Ph.D. (speech commun), Mich. State, 68. Asst. prof. SPEECH COMMUN., SAN JOSE STATE COL., 62-68, ASSOC. PROF., 69-, res. on proj. for pres. 65-66. Commun. res. & grad. curriculum funded grant, 67-68; effects of sensitivity training in interpersonal commun. funded grant, 69-70. Intel. C. U.S.A. 54-57. Asn. Pub. Opinion Res. Speech Commun. Asn; Asn. Comput. Mach; Int. Commun. Asn. Communication theory; psycholinguistics; small group communication; opinion and attitude change; intra-audience response effects. Publ: The avenues of communication, Mich. Farm Bur., 62; The effects of observable audience response, Speech Asn. Am. Abstracts, 69 & Communication compilations, Speech Teacher, 71. Address: 2438 Hart Ave, Santa Clara, Calif. 95050.

HYMAN, DR. AARON. Psychology. See A-K Vol. 11th ed, Soc. & Behav. Vols. New position: Dep. dir. human performance experimentation, U.S. Army Behav. & Sys. Res. Lab. 68- Address: 1011 Arlington Blvd, Arlington, Va. 22209.

HYMAN, DR. ARNOLD. Experimental Psychology. See A-K Vol. 11th ed, Soc. & Behav. Vols. New position & address: Res. asst., 68-, Jewish Hospital & Medical Center of Brooklyn, Neurosurgical Research Unit, 555 Prospect Place, Brooklyn, N.Y. 11238.

HYMAN, PROF. HERBERT H(IRAM). Sociology. See A-K Vol. 11th ed, Soc. & Behav. Vols. New position & address: Prof., 69-, Dept. of Sociology, Wesleyan University, Middletown, Conn. 06457.

HYMAN, DR. IRWIN A. b. Neptune, N.J., Mar. 22, 25; m. 60; c. 2. PSYCHOLOGY. B.A., Maine, 58; M.Ed., Rutgers, 61, Ed.D. (sch. psychol), 64.

Teacher, elem. sch., N.J., 57-61; sch. psychologist & coordinator spec. serv. Lawrence Twp. Schs., 62-66; chief clin. serv. Training Sch., Vineland, Am. Inst. Ment. Studies, 66-67; prof. spec. ed. & chief psychologist, Newark State Col., 67-68. ASSOC. PROF. SCH. PSYCHOL. TEMPLE, 68- Field superv., Stanford Res. Inst. Nat. Follow Through Study, 69- Res. consult. Ed. Testing Serv. Head Start Study, 67-69. AAAS: Psychol. Asn; Ed. Res. Asn; Asn. Ment. Deficiency. Effects of teacher behavior on children; effects of educational intervention on disadvantaged children; the process of change in educational institutions. Publ: Co-auth. Instituting group counseling in the public schools, Psychol. in Schs., 64 & First grad. readiness of children who have had summer head start programs, Training Sch. Bull., 63: 163-167; Measurement of perception, In: Disadvantaged children and their first school experience, Ed. Testing Serv., 68. Address: 18 Devon Ave, Trenton, N.J. 08638.

HYMAN, STANLEY DAVID. b. New Rochelle, N.Y., Feb. 15, 23; m. 61; c. 2. PSYCHOLOGY. A.B. George Washington, 64, M.A. 66. PRES. IDENTITY RES. INST. INC., D.C. 67- Mem. faculty, grad. sch. bus. George Washington, 68- U.S.A.F. 48-67, Lt. Col. Marital compatibility; management consulting; human relations research; identification of black business man. Publ: Co-auth. Personal financial planning for the executive, Am. Mgt. Asn., 70, auth. Employer-employee compatibility, Retired Officer, 6/58. Address: 5715 Davis Blvd. S.E., Washington, D.C. 20223.

HYMES, PROF. DELL H(ATHAWAY). Anthropological Linguistics. See A-K Vol. 11th ed, Soc. & Behav. Vols. New publ. ed, Studies in the history of linguistics, Indian Univ., 69. Address: Dept. of Anthropology, University of Pennsylvania, Philadelphia, Pa. 19104.

HYSE, DR. RICHARD. b. Berlin, Germany, June 19, 20; U.S. citizen; m. 46. ECONOMICS, BUSINESS ADMINISTRATION. B.B.A. Baruch Sch. City Col. New York, 58; Ph.D. (econ), N.Y. Univ., 66. Asst. prof. ECON., STATE UNIV. N.Y. COL. OSWEGO, 61-66, ASSOC. PROF., 67- ACTING CHMN. & DIR. BUS. PROG., 68- State Univ. N.Y. res. fel. summer 67. Econ. Asn; Econ. Hist. Asn; Asn. Evolutionary Econ; Int. Studies Asn. Integration of national economies through economic and political externalities; international banking practices and their historic development. Publ: International liquidity, N.Y. State Econ. Asn. 69; Business finance—a study guide, Off. Ed. State Univ. N.Y., 70; Statistics in an autocracy, Risorgimento, 66. Address: Dept. of Economics, State University of New York College at Oswego, Oswego, N.Y. 13126.

I

IANNI, PROF. FRANCIS (ANTHONY) J(AMES). Social Anthropology. See A-K Vol. 11th ed, Soc. & Behav. Vols. New information: Also dir. educ. insts. & progs., 66-, Teachers Col., Columbia University, 525 W. 120th St., N.Y. 10027.

IATRIDE, PROF. JOHN ORESTES. International Relations. See A-K Vol. 11th ed, Soc. & Behav. Vols. New position: Prof. int. rels., 69-, Dept. of Political Science, Southern Connecticut State College, 501 Crescent St., New Haven, Conn. 06515.

ICHIKAWA, DR. AKIRA. b. Seattle, Wash., Feb. 1, 38; m. 61; c. 1. POLITICAL SCIENCE. B.A., Washington (Seattle), 60; M.A., Minnesota, 64, Ph.D. (polit. sci), 69. ASST. PROF. POLIT. SCI., LETHBRIDGE, 68- Am. Polit. Sci. Asn; Can. Polit. Sci. Asn. Political philosophy and theory, especially in the so-called non-western world; international relations, Canadian foreign policy. Address: Dept. of Political Science, University of Lethbridge, Lethbridge, Alta., Can.

IDEN, DR. GEORGE ROBERT. Economics. See A-K Vol. 11th ed, Soc. & Behav. Vols. New position & address: Asst. prof. econ., 68-, University of North Carolina at Chapel Hill, Carroll Hall, Chapel Hill, N.C. 27514.

IEZZI, DR. ANTHONY J. b. Greensburg, Pa., Sept. 3, 33; m. 63; c. 2. POLITICAL SCIENCE, PHILOSOPHY. A.B. St. Vincent Col., 55; A.M., Detroit, 57; summer, Northwestern, 60; Ph.L., St. Louis, 61; summer, Georgetown, 61; Ph.D. (polit. sci), Western Reserve, 68. Instr. St. Ignace High Sch., Ohio, 61-62; hist. John Carroll, 62-64; philos. ST. JOHN COL. (OHIO), 64-67, ASST. PROF. PHILOS. & POLIT. SCI., 67- Lectr., Cleveland Cath. Diocese, Inst. Soc. Ed. St. John Col. (Ohio), 66-; consult. Am. Benedictine Sisters, 67- Acad. Polit. & Soc. Sci.; Polit. Sci. Asn. American presidency—specialist on the Electoral College; Christian ethics; American political institutions; moral foundations of democracy. Address: Dept. of Philosophy, St. John College of Cleveland, Superior Ave., Cleveland, Ohio 44114.

IIRI, PROF. YUJI. b. Kobe, Japan, Feb. 24, 35; m. 62; c. 2. INDUSTRIAL ADMINISTRATION. LL.B., Ritsumeikan, 56; M.S. Minnesota, 60; Ph.D. (indust. admin), Carnegie Inst. Tech., 63. Asst. prof. bus. admin., Stanford, 63-65, assoc. prof., 65-67; PROF. INDUST. ADMIN., CARNEGIE-MELLON, 67- Acct. Asn; Economet. Asn; Inst. Mgt. Sci. Accounting and information systems; theory of measurement and aggregation; operations research. Publ: Management goals and accounting for control, North-Holland, 65; The foundations of accounting measurement: a mathematical, economic and behavioral inquiry, Prentice-Hall, 67; Fundamental queries in the aggregation theory, J. Am. Statist. Asn., 70. Address: Carnegie-Mellon University Graduate School of Industrial Administration, Pittsburgh, Pa. 15213.

IKENBERRY, DR. STANLEY OLIVER. b. Lamar, Colo., Mar. 3, 35; m. 58; c. 3. HIGHER EDUCATION. B.A., Shepherd Col., 56; M.A., Mich. State, 57, Ph.D. (higher ed.), 60. Instr. higher ed., 58-60; Mgt. Asn; Nat. res., 60-62; asst. prof. ed. & a.s. to provost, West Virginia, 62-64, spec. asst. to pres., 64-65, assoc. prof. ed. & dean col. human resources & ed., 65-69; PROF. HIGHER ED., CENTER STUDY HIGHER ED., PA. STATE, 69- Mem. rehab. adv. cmn. Rehab. Serv. Admin. & mem. ed. adv. cmn. Appalachian Regional Cmn. D.C., 69; mem. bd. dirs. Appalachia Ed. Lab., Charleston, W. Va., 69. Ed. Res. Asn; Asn. Higher Ed. Asn; Inst. Res. Higher education research: student attitude and value change in higher education; college

- attendance patterns; initiation and functioning of organized research units in higher education; curriculum and instruction in higher education. Publ: Co-auth, Critical thinking, attitudes and values in higher education, Mich. State Univ, 62; Effects of reading, study skills improvement and reduced credit load on achievement and persistence of failure prone college freshmen & Characteristics of high school seniors as related to subsequent college attendance, West Virginia Univ, 66. Address: Center for the Study of Higher Education, 110 Willard Bldg, Pennsylvania State University, University Park, Pa. 16802.
- ILLAN, JOSE M. Economics. See A-K Vol, 11th ed, Soc. & Behav. Vols. New position: Financial specialist, Interam. Develop. Bank, Wash, D.C., 69- Address: 10225 Kensington Pkwy, Apt. 509, Kensington, Md. 20795.
- IMBROGNO, DR. SALVATORE. Political Science. See A-K Vol, 11th ed, Soc. & Behav. Vols. New position: Asst. prof, Pa. State, Capitol Campus, 69- Address: Briarcrest Gardens, 30 Town House, Hershey, Pa. 17033.
- IMM, DR. CHARLES ROGER. Psychology. See A-K Vol, 11th ed, Soc. & Behav. Vols. New position & address: Staff clin. psychologist, 69-, Veterans Administration Mental Hygiene Clinic, Ft. Snelling, St. Paul, Minn. 55111.
- IMMERDAUER, B(ERNARD). Economics. See A-K Vol, 11th ed, Soc. & Behav. Vols. New position & address: Sr. economist, 68-, UN Development Programme, P.O. Box 7184, Kampala, Uganda.
- IMPEKOVEN, DR. MONICA RENEE, b. London, Eng, Jan. 7, 36. ANIMAL BEHAVIOR. Ph.D.(zool), Basel, 61. Fel. wild fowl & conserv. pub. dynam. Station Biologique la Tour du Valat Le Sambuc, France, 62-64; animal behav. dept. zool, Oxford, 64-67; instr. zool. & animal behav. Maryland, 67-68; ASST. PROF. ANIMAL BEHAV. INST. ANIMAL BEHAV. RUTGERS, 68- Grants, Found. Biol. Res. Switz, 62-64; Janggen-Pöhn Found, 64; Sci. Res. Conf., Eng, 65-67. Asst. Study Animal Behav. Motivational control of visual perception, ontogeny of perception and communication including prenatal origins; predator-prey relationships in birds. Publ: Die Jugendentwicklung des Teichrohrsängers, Revue Suisse de Zoologie, 62; co-auth, An experiment on spacing-out as a defense against predation, Behaviour, 67; auth, Motivationally controlled stimulus preferences in chicks of the Black-headed Gull, Animal Behav, 69. Address: Institute of Animal Behavior, 101 Warren St, Rutgers, The State University, Newark, N.J. 07102.
- IMSE, PROF. THOMAS P(AUL). Sociology. See A-K Vol, 11th ed, Soc. & Behav. Vols. New information: Vis. prof. sociol, Univ. Nijmegen, Netherlands, 69-70. Address: Dept. of Sociology, College of the Holy Cross, Worcester, Mass. 01610.
- INAGAKI, PROF. MORIDO. Economics. See A-K Vol, 11th ed, Soc. & Behav. Vols. New information: Prof. Sir George Williams Univ, 69-; dir. Int. Inst. Quant. Econ, 69- Address: 2055 St. Mathieu, Apt. 1102, Montreal, Que, Can.
- INCE, DR. LAURENCE PETER, b. New York, N.Y., June 29, 37; m. 63; c. 1. PSYCHOLOGY, GUIDANCE & COUNSELING. B.A., Hobart Col, 59; M.S., Long Island, 61; Ph.D.(psychol, guid. & counseling), Fla. State, 65. Intern. clin. psychol, instr. rehab. med, MED. CENTER, N.Y. UNIV, 65-68, SR. PSYCHOLOGIST, GOLDWATER MEM. HOSP, 65-; INSTR. PSYCHOL. HUNTER COLLEGE, 65-; DIR. CLIN. & ADMIN. SERV. CENTER LEARNING DISABILITIES, BRIARWOOD, 69- U.S. Dept. Health, Ed. & Welfare Small Contract Prog. res. grant, 65. Consult. psychologist, addictive diseases unit, New York City Dept. Health, 66; consult. supv. psychologist, Orthop. & Rehab. Inst, 68; consult. psychologist, Health Ins. Plan Greater New York, 69- Panel. psychologist, voc. rehab, N.Y. State Dept. Ed., 69-; P.A.S.H., Psychol. Operant conditioning; physical rehabilitation; behavior modification; neurophysiological correlates of behavior; speech and language pathology; brain injury. Publ: Modification of verbal behavior through variable interval reinforcement in a quasi-transfer situation, Behav. Res. & Ther, 68; A behavioral approach to motivation in rehabilitation, Psychol. Record, 69; escape and avoidance conditioning of responses in the plegic arm of stroke patients: a preliminary study, Psychonomic Sci, 69. Address: 64-39C 186th Lane, Fresh Meadows, N.Y. 11365.
- INDIK, DR. BERNARD PAUL. Psychology, Sociology. See A-K Vol, 11th ed, Soc. & Behav. Vols. New information: Assoc. prof. soc. work, 68-69, prof., 69-, Graduate School of Social Work, Rutgers, The State University, New Brunswick, N.J. 08903.
- INGBAR, DR. MARY LEE. Economics. See A-K Vol, 11th ed, Soc. & Behav. Vols. New information: Consult. health econ. exec. off. admin. & finance, Commonwealth of Mass, 69- Address: 41 Montvale Rd, Newton Center, Boston, Mass. 02159.
- INGERSOLL, DR. JASPER, b. Middleburg, N.Y., Sept. 6, 26; m. 50; c. 2. ANTHROPOLOGY. B.A., Harvard, 51; Ford Found. fel. Cornell, 56-60, Ph.D. (anthrop), 63. Asian desk officer, UNESCO, Paris, 52-53, dir. res. sect. UNESCO Training Center, Thailand, 54-56; lect. ANTHROP. California, 61-63; asst. prof. CATHOLIC UNIV, 63-67, ASSOC. PROF, 67-; vis. lect., Peace Corps, 62-66, For. Serv. Inst, 64- & Int. Vol. Serv, 65-67; researcher, U.S. State Dept, 67-68; U.S. Bur. Reclamation, 68-69. Mem. Southeast Asian Develop. Adv. Group. U.S.N. 45-46. Asst. Asian Studies Anthropol. Asst. Soc. Appl. Anthropol. Social aspects of development, especially river basin development; Southeast Asia, especially mainland role behavior; Buddhism. Publ: Fatalism in Village Thailand, summer 65 & Mekong River Basin development: anthropology in a new setting, summer 68, Anthropol. Quart; Human dimensions of Mekong River Basin development: a case study of the Nam Pong Project in Northeastern Thailand, report, Agency Int. Develop, 68. Address: Dept. of Anthropology, Catholic University of America, Washington, D.C. 20017.
- INGLIS, PROF. JAMES. Psychology. See A-K Vol, 11th ed, Soc. & Behav. Vols. New position & address: Prof, 68-, Dept. of Psychology, Queen's University, Kingston, Ont, Can.
- INGRAM, DEAN JAMES C(ARLTON). Economics. See A-K Vol, 11th ed, Soc. & Behav. Vols. New information: On leave in Bangkok, Thailand for one year. Address: Graduate School, University of North Carolina at Chapel Hill, Chapel Hill, N.C. 27514.
- INGRAM, JOHN W(ATSON). Transportation Economics. See A-K Vol, 11th ed, Soc. & Behav. Vols. New position: V-pres. mkt. Ill. Cent. R.R., 68- Address: 135 E. 11th Place, Chicago, Ill. 60605.
- INNOCENTIA, SISTER MARY B(URKARD), S.S.N.D. Educational Psychology. See BURKARD, SISTER AGNES MARY, S.S.N.D., this suppl.
- INSEL, PROF. SHEPARD ALVIN. Educational Psychology. See A-K Vol, 11th ed, Soc. & Behav. Vols. New information: Also dean. ed. serv, 68-. San Francisco State College, 1600 Holloway Ave, San Francisco, Calif. 94132.
- INSELBERG, DR. RACHEL M(ARZAN), b. Manila, Philippines, Jan. 2, 34; U.S. citizen; m. 56; c. 1. CHILD DEVELOPMENT, FAMILY SOCIOLOGY. B.S., Philippine Women's Univ, 54; fel. Illinois, 55-56, M.S., 56. Ph.D.(child develop), Ohio State, 60. Asst. prof. family & child develop, Carnegie-Mellon, 61-65; ASSOC. PROF. HUMAN DEVELOP. & LEARNING, WESTERN MICHIGAN, 66- Participant, Coor. Res. Proj. U.S. Off. Ed, 62-64; mem. Nat. Cmt. on Family Life Ed, 64-65. Soc. Res. Child Develop; Nat. Coun. Family Rel. Social and psychological correlates of high school marriages; antecedents and consequences of sex-role identification; identification of effective methods of teaching young children how to read. Publ: Marital problems and satisfaction in high school marriages, Marriage & Family Living, 62; The sentence completion technique in measurement of marital satisfaction, J. Marriage & Family, 64; Personality characteristics and masculine identification. Chronicle Guid. Publ., 66. Address: Dept. of Teacher Education, Western Michigan University, Kalamazoo, Mich. 49001.
- INTRILIGATOR, DR. MICHAEL D(AVID), b. New York, N.Y., Feb. 5, 38; m. 63; c. 2. ECONOMICS. S.B. Mass. Inst. Tech, 59, Ph.D.(econ), 63; M.A. Yale, 60. Asst. prof. ECON. CALIFORNIA, LOS ANGELES, 63-66. ASSOC. PROF. 66- Ford Found faculty res. fel, 67-68. Consult. Rand Corp, 62-65; U.S. Arms 60-67; sundry. & Disarmament Agency, 66-67; Human Resources Res. Center, Southern California, 67- Am. Econ. Assn; Economet. Soc; Royal Econ. Soc. Mathematical economics; econometrics; economic theory; strategy; arms race; arms control; planning. Publ: Mathematical optimization and economic theory, Prentice-Hall, 70; co-auth, The allocation of scientific effort between teaching and research, Am. Econ. Rev, 66 & Strategy in a missile war, Univ. Calif. Los Angeles Security Studies Proj, 67. Address: Dept. of Economics, University of California, Los Angeles, Calif. 90024.
- IRELAND, PROF. RALPH REGINALD. Sociology, Psychology. See A-K Vol, 11th ed, Soc. & Behav. Vols. New position & address: Chmn. 69-. Dept. of Sociology, Bloomsburg State College, Bloomsburg, Pa. 17815.
- IRISH, PROF. DONALD P(AUL). Sociology, Anthropology. See A-K Vol, 11th ed, Soc. & Behav. Vols. New information: Dir. Urban Studies Term. Hamline University, St. Paul, Minn. 55101.
- IRVINE, DR. DAVID JAMES, b. Opelika, Ala. Dec. 2, 31; m. 60; c. 3. EDUCATION, PSYCHOLOGY. B.A., Auburn, 54; M.A. North Carolina, 59, Ph.D. (ed. psychol), 63. Counsr, Burlington City Schs. N.C. 60-61, asst. dir. guid. 61-62, dir. 62-64, supvr. guid. & spec. serv. 64-65; assoc. prof. psychol. & spec. ed. Greensboro Col, 65-68; CHIEF BUR. SCH. PROGS. EVAL. STATE ED. DEPT, N.Y., 68- Vis. lectr. North Carolina, Greensboro, 64-65, summer 66-67; sundry. vis. faculty mem. Appalachian State Teachers Col, 61, North Carolina, Chapel Hill, 64, vis. lectr. Western Carolina, 67. U.S.A. 54-56, 1st Lt. Psychol. Asst; Ed. Res. Asst; Personnel & Guid. Asst. Evaluation of educational programs; application of systems analysis to education; education for creativity; counseling; economically disadvantaged students; mental health. Publ: The pupil, teaching and learning, N.C. Ed. 12/64 & Newsletter for disadvantaged youth: an expanded concept of counseling, Sch. Counsr, 1/68. Address: 45 Preston Rd. Delmar, N.Y. 12054.
- IRVING, DR. GORDON, b. Red Deer, Alta, Sept. 10, 28. SOCIOLOGY. B.A. St. Patrick's Col, 32; M.A. Notre Dame, 57. Ph.D.(sociol), 59. Asst. prof. SOCIOL, St. Patrick's Col.(Ont), 59. ASSOC. PROF. 62-67; CARLETON, 67- Sociol. Asn. Sociology of family and of religion; deviance; criminology. Publ: Population explosion, Rev. Univ. Ottawa, 61; Family in a technological age, Soc. Worker, 66. Address: Dept. of Sociology, Carleton University, St. Patrick's Campus, Ottawa 1, Ont, Can.
- IRVING, DR. ROBERT M. Geography. See A-K Vol, 11th ed, Soc. & Behav. Vols. New information: Also chmn. 69-, Dept. of Geography, University of Waterloo, Waterloo, Ont, Can.
- IRVING, DR. RONALD E. Neuroanatomy. See Suppl. VI to 11th ed, Phys. & Biol. Vols.
- IRVING, DR. WILLIAM N(ATHANIEL). Anthropology. See A-K Vol, 11th ed, Soc. & Behav. Vols. New position & address: Prof, 69-, Dept. of Anthropology, University of Toronto, Toronto, Ont, Can.
- ISAACS, DR. KENNETH S(IDNEY). Clinical Psychology. See A-K Vol, 11th ed, Soc. & Behav. Vols. Change of address: 190 N. Sheridan Rd, Lake Forest, Ill. 60045.
- ISBESTER, DR. ALEXANDER FRASER, b. Kingston, Ont, Mar. 1, 32; m. 57; c. 4. INDUSTRIAL RELATIONS, HISTORY. Dipl. hist. Royal Mil. Col.(Ont), 55; B.A. Queen's (Ont), 57; M.B.A., Western Ontario, 61; M.A., Bishop's (Can), 63; Ph.D.(indust. rels), Cornell, 68. Lectr. bus. Sherbrooke, 61-63, asst. prof, 65-66; ASSOC. PROF. INDUST. RELS, McMASTER, 66- Can. Army, 55-60, Maj. Am. Indust. Rels. Res. Asst; Can. Indust. Rels. Res. Inst; Can. Hist. & Canadian labour history; international and comparative labour relations. Publ: Co-auth, Canadian industrial relations, Queen's

- Univ, 67; auth, *Industrial relations, new perspectives in business*, Heath, 67; co-auth, *Contemporary problems in Canadian labour*, Prentice-Hall, 70. Address: Dept. of Industrial Relations, McMaster University, Hamilton, Ont, Can.
- ISHINO, PROF. IWAQ. Anthropology. See A-K Vol, 11th ed, Soc. & Behav. Vols. New information: Also chmn, 69-. Dept. of Anthropology, Michigan State University, East Lansing, Mich. 48823.
- ISKRAANT, ALBERT (PATRICK). Economics, Statistics. See A-K Vol, 11th ed, Soc. & Behav. Vols. New position: Dir. epidemiol. anal. Nat. Center Health Serv. Res. & Develop, 69. Address: 9527 E. Stanhope Rd, Kensington, Md. 20795.
- ISLAM, DR. A.K.M. AMINUL. Anthropology, Linguistics. See A-K Vol, 11th ed, Soc. & Behav. Vols. New information: Ph.D. McGill, 69. Assoc. prof. & chmn, 69-. Dept. of Sociology, Anthropology & Social Work, Wright State University, Dayton, Ohio 45431.
- ISSAWI, PROF. CHARLES. Economics. See A-K Vol, 11th ed, Soc. & Behav. Vols. Change of address: 404 Riverside Dr, Apt. 21F, New York, N.Y. 10025.
- ITILL, DR. TURAN M. Psychiatry. See Suppl. V & VI to 11th ed, Phys. & Biol. Vols.
- ITURRIAN, DR. WILLIAM BEN. Pharmacology. See Suppl. V to 11th ed, Phys. & Biol. Vols.
- IULO, PROF. WILLIAM. Economics, Statistics. See A-K Vol, 11th ed, Soc. & Behav. Vols. New information: Also acting, dir, 69-. Bureau of Economic & Business Research, Washington State University, Pullman, Wash. 99163.
- IVERSEN, PROF. ROBERT WILLIAM. American History. See 5th ed, Dir. Am. Scholars, Vol. 1, Hist.
- IVEY, PROF. OLIVER T(URNER). History. See 5th ed, Dir. Am. Scholars, Vol. 1, Hist.
- IWAN, DR. JAMES L. b. Boonville, Mo, Dec. 14, 39; m. 61; c. 1. POLITICAL SCIENCE, PUBLIC ADMINISTRATION. B.A. Calif. State Col. Long Beach, 64; M.S. Southern California, 66; Nat. Defense Ed. Act fel, Georgetown, 66-68, Ph.D. (agri), 68. Staff of adminstr. instr. develop. serv. & analyst, proteins & globulins, U.S. Dept. Agr, 67-69; MGR. SPEC. PROD. & NEW VENTURES, J.S. JOSEPH CO. INC, MINNEAPOLIS, 69-. V. PRES. FOUND. AGR. BY-PROD. OF IRAN, 69-. U.S.A.F. 58-62. Polit. Sci. Assn; Inst. Food Tech. Development of business ventures internationally, particularly agribusiness in developing nations and areas; social, governmental and economic structures necessary for total development. Publ: Fortified bread for India, Cereal Sci. Today, 5/68 & From social welfare to local government-Egypt, Mid. East J. 6/68. Address: 2150 Ensign Ave. N. Golden Valley, Minn. 55427.
- IVYENGAR, DR. K. M. P. b. Melkote, India, Aug. 10, 36; m. 64. OPERATIONS RESEARCH, MANAGEMENT SCIENCE. B.E. Mysore, 57; D.I.I.Sc, Indian Inst. Sci, Bangalore, 61; M.B.A. Hawaii, 64; Ford fel. & Ph.D. (prod. mgmt), Columbia, 67. Asst. engr, Indian Tel. Indus., 57-62; asst. prof. mgmt, Hawaii, 68-69; ASSOC. PROF. QUANT. METHODS, LONG ISLAND, 69-. Nat. Sci. Found. grant, 69. Statist. Assn; Inst. Mgt. Sci; Opers. Res. Soc. Am. Corporate long-range planning; economics and information theory; design of planning and control systems; management science model building. Publ: An extension of the classical gambler's ruin model to long planning, Can. Oper. Res. J. 11/69. Address: 699 W. 239th St, Apt. 5 R, Bronx, N.Y. 10463.
- J
- JABINE, THOMAS B(OYD). Mathematical Statistics. See A-K Vol, 11th ed, Soc. & Behav. Vols. New position: Chief, statist. res. div, U.S. Bureau of the Census, 69-. Address: 3231 Worthington St. N.W. Washington, D.C. 20015.
- JABLONSKI, DR. RONALD E. b. Chicago, Ill, Jan. 16, 29; m. 51; c. 4. MANAGEMENT SCIENCES. B.S. Yale, 52; M.B.A. Northwestern, 57; D.B.A. (prod. mgmt), Harvard, 63. Electronics scientist, Naval Res. Lab, 52-53; develop. engr, Motorola, Inc, 53-55; proj. engr, 55-57; res. asst. prod. mgmt, Harvard, 58-59; asst. prof. bus. admin, Columbia, 62-64; ASSOC. PROF. MGT, Michigan, 64-69; ILLINOIS CHICAGO CIRCLE, 69-. Assoc. Seminar Tech. & Soc. Change, Columbia, 64. Consult. to several financial & indust. concerns, 62-. Inst. Mgt. Sci; Opers. Res. Soc. Am; Acad. Mgt; World Future Soc. Technological innovation and forecasting; behavioral aspects of technological change and manpower planning. Publ: Co-auth, Production management, 3rd ed, 69 & auth, Management of operational systems, (in prep), McGraw. Address: College of Business Administration, University of Illinois at Chicago Circle, Box 4348, Chicago, Ill. 60680.
- JABLONSKY, DR. ADELAIDE, b. New York, N.Y., Apr. 21, 12; m. 35; c. 2. PSYCHOLOGY, EDUCATION. B.A. Hunter Col, 52; M.A. Columbia, 59, Ed.D. (group work), 53. Asst. prof. psychol, Pratt Inst, 52-53; instr. psychol. & ed. Brooklyn Col, 54-59; asst. prof. ED, YESHIVA, 59-62; ASSOC. PROF., 62-. SR. RES. ASSOC. ED. RESOURCES INFO. CENTER-INFO. RETRIEVAL CENTER ON DISADVANTAGED, U.S. OFF. ED, 69-. assoc. dir. psychol. & ed, 67-69. Asst. dean, YESHIVA, 62-66. Consult. Elem. & Sec. Ed. Act, New York Bd. Ed, 66-69. Mem. cnmr. ad hoc adv. cmt, Higher Ed. Act, U.S. Off. Ed, 65-67; coord. chmn, N.Y. State Ed. Dept, 66-67. Psychol. Assn. Problems of ethnic, racial and economic disadvantage, primarily in educational settings. Publ: Co-auth. & ed, Imperatives for change, N.Y. State Ed. Dept, 67; co-auth, Compensatory education in the equalization of educational opportunity, J. Negro Ed, summer 68; auth, Toward curriculum relevance for minority group children, IRCD Bull, summer 69. Address: 610 West End Ave, New York, N.Y. 10024.
- JACEK, DR. HENRY JOHN, b. Derby, Conn, Oct. 31, 41; m. 67; c. 2. POLITICAL SCIENCE. B.S.S. Fairfield, 63; fel, Georgetown, 63-66, M.A., 67, Ph.D. (polit. sci), 69; summer fel, Michigan, 66. Res. asst, center pop. res, Georgetown, 66-67; lectr. POLIT. SCI, McMASTER, 67-69; ASST. PROF., 69-. Am. Polit. Sci. Assn; Can. Polit. Sci. Assn. Political party organization; scope and methods of political science; public policy formation; political behavior. Publ: Comparative party organization in Canada and United States, 6/69 & co-auth, Party integration in Ontario, 6/70, Can. Polit. Sci. Assn. Proc; auth, Urban political world of black and white party officials, Am. Polit. Sci. Assn. Proc, 8/69. Address: Dept. of Political Science, McMaster University, Hamilton, Ont, Can.
- JACKSON, PRES. ALLEN KEITH. Religion. See 5th ed, Dir. Am. Scholars, Vol. IV, Philos. Relig. & Law.
- JACKSON, DEAN ARTHUR F(ISHER). Guidance. See A-K Vol, 11th ed, Soc. & Behav. Vols. New position: Dean, 68-. School of Arts & Sciences, A&T State University, Greensboro, N.C. 27411.
- JACKSON, DR. BASIL EDGAR, b. Omagh, N.Ireland, June 19, 32; U.S. citizen; m. 51; c. 1. PSYCHIATRY, PSYCHOLOGY OF RELIGION. M.D. Queen's (Belfast), 57; M.Th. North. Theol. Sem, 65; D.P.M. Dublin, 66. Asst. prof. PSYCHIAT, SCH. MED, MARQUETTE, 65-69; ASSOC. PROF., 69-. DIR. LAB. PSYCHIC PHENOMENA, 65-69; CHIEF PSYCHIAT. WOOD VET. ADMIN. CENTER, MILWAUKEE, 68-. Consult. Milwaukee County Family Court, Wis. Milwaukee County Childrens Court, Lad Lake Residential Treatment Center, Lutheran Hosp, Milwaukee & Milwaukee Psychiat. Hosp, 65-. Dipl. psychiatrist, Am. Bd. Psychiat. & Neurol, 64, Child Psychiat, 66. Fel. Col. Physicians; Col. Psychiat; Am. Med. Assn; Psychiat. Assn; Am. Sci. Affiliation; N.Y. Acad. Sci. Psychotherapy; hallucinogenic drugs. Publ: Reflections of psych. chiatry and religion, Marquette Med. Rev, spring 69; Termination of psychotherapy in children, Transactions, Vol. 1, No. 1. The revised diagnostic and statistical manual of the American Psychiatric Association: a critique, Am. J. Psychiat., & Int. J. Psychiat, 69. Address: 9505 N. Pheasant Lane, River Hills, Wis. 53217.
- JACKSON, DR. JOHN D. b. Montreal, Que, Sept. 22, 32; m. 54. SOCIOLOGY. B.A. Sir George Williams, 53; M.A. Mich. State, 63, Ph.D. (sociol), 67. Lectr. appl. soc. sci, SIR GEORGE WILLIAMS, 66-67; ASST. PROF. SOCIOLOGY, 67-. CHMN. DEPT., 69-. RES. ASSOC. CENTRE HUMAN RELS. & COMMUNITY STUDIES, 66-. Grants, Nat. Coun. YMCA's Can. & Can. Nat. Health & Welfare Dept, 68, Can. Coun, 69-70. Am. Sociol. Soc. Can. Assn. Sociol. & Anthropol. Community studies, especially social conflict. Publ: Ethnic relations and a community school system, Inst. Community Develop, Mich. State Univ, 65; Toward a theory of social conflict: French English relations in an Ontario community, Can. Rev. Sociol. & Anthropol, 66; An inquiry into leisure in the city of Beaconsfield, Quebec, Centre Human Rels. & Community Studies, Montreal, 67. Address: Dept. of Sociology, Sir George Williams University, Montreal 107, Que, Can.
- JACKSON, PROF. KINGSBURY T. Industrial Engineering. See Suppl. VI to 11th ed, Phys. & Biol. Vols.
- JACKSON, DR. MAURICE. Sociology. See A-K Vol, 11th ed, Soc. & Behav. Vols. New information: Also chmn, 69-. Dept. of Black Studies, University of California, Riverside, Calif. 92502.
- JACKSON, PROF. MAURICE PAUL. Social & Behavioral Sciences. See 5th ed, Dir. Am. Scholars, Vol. IV, Philos. Relig. & Law.
- JACKSON, DR. ROBERT LEON, b. Bond, Miss, Mar. 1, 39; m. 61; c. 2. PSYCHOLOGY, GUIDANCE. B.A. Miss. Col, 61; M.S. Baylor, 63; fel, East Texas State, 64-67, Ph.D. (counseling, psychol), 67. Psychologist, State Dept. Hosp, La, 62-64; ASST. PROF. GUID. & PSYCHOL, DELTA STATE COL, 67-. Counsr, private practice, 67-. Miss. State Penitentiary, State Dept. of Spec. Ed. & State Dept. Voc. Rehab, 67-. Coordinator, 1969 Conf. Miss. Personnel & Guid. Assn, 68-69. Personnel & Guid. Assn; Psychol. Assn. Creativity; counseling; special education, particularly vocational rehabilitation and psychological characteristics of penitentiary inmates. Publ: College characteristics, Guid.-O-Rama, 68. Address: Dept. of Psychology, Box 1883, Delta State College, Cleveland, Miss. 38732.
- JACKSON, DR. RUSSELL HENRY, b. Provo, Utah, Feb. 10, 38; m. 61; c. 2. CLINICAL PSYCHOLOGY. B.S. Brigham Young, 63; M.S. 64, Ph.D. (clin. psychol), Ohio State, 65; ASST. PROF. MED. PSYCHOL, MED. SCH. OREGON, 69-. U.S.A.P. 61-67, S/Sgt. Psychol. Assn. Assessment of attitude and motivational state in the interview situation; development of object measures and situations to assess parent-child interactions. Publ: Co-auth, Communication length as an index of communicator attitude: a replication, 53:264-266 & Interview speech behavior under different content conditions, 54:15-26. J. Appl. Psychol; Interview speech behavior under conditions of endogenously-present and exogenously-induced motivational states; J. Clin. Psychol. (in press). Address: Dept. of Medical Psychology, University of Oregon Medical School, 3181 S.W. Sam Jackson Park Rd, Portland, Ore. 97201.
- JACKSON, PROF. W(ILLIAM) (ARTHUR) DOUGLAS. Geography. See A-K Vol, 11th ed, Soc. & Behav. Vols. New information: Also assoc. dir, 70-, Russian-East European Program, Far Eastern & Russian Institute, University of Washington, Seattle, Wash. 98105.
- JACOB, DR. ABEL, b. Tel Aviv, Israel, Jan. 15, 39; U.S. citizen; m. 63; c. 2. POLITICAL SCIENCE. B.A. California, Los Angeles, 62, M.A., 64, univ. & Ford Found. fcls, 65-66, Ph.D. (polit. sci), 69. Teaching asst. Am. polit. California, Los Angeles, 63-65, teaching fel. comp. polit, 66-67; instr. POLIT. SCI, Iowa State, 67-69; ASST. PROF, YORK COL (N.Y.), 69-. Polit. Sci. Assn. Relationship between rich and poor nations; the role of the mili-

- tary in the politics of developing nations; Middle East politics. Address: Dept. of Political Science, York College, Flushing, N.Y. 11365.
- JACOB, DR. ROBERT WILLIAM. Political Science. See A-K Vol. 11th ed, Soc. & Behav. Vols. New position & address: Dir. res. 68-, Missouri Commission on Higher Education, 600 Clark Ave, Jefferson City, Mo. 65101.
- JACOBI, DR. (JOHN) (EDWARD). Sociology. See A-K Vol. 11th ed, Soc. & Behav. Vols. New position: Prof. sociol. & head dept. State Univ. N.Y. Oneonta, 68-. Address: Box 219, West Oneonta, N.Y. 13861.
- JACOBINI, PROF. H(ORACE) B(OWMAN). Political Science, International Law. See A-K Vol. 11th ed, Soc. & Behav. Vols. New information: Also dir. Center for Vietnamese Studies & Programs, Southern Illinois University, Carbondale, Ill. 62901.
- JACOBS, DR. IRVING AARON. b. Boston, Mass, May 10, 29; m. 53; c. 2. PSYCHOLOGY. B.S. Houston, 52; M.A., Indiana, 56; Ph.D. (psychol.), Denver, 59. Clin. assoc. & assoc. prof. State Univ. N.Y. Buffalo, 59-69; PSYCHOL. CONSULT. STATE DEPT. MENT. HYG. N.Y. 69-. Clin. assoc. prof. Albany Med. Col. 69-. Chief psychologist, Edward J. Meyer Mem. Hosp. 59-66; United Health Found. fel. 62-64; Wyeth Labs. fel. 64-66; Wallace Labs. fel. 65-66. Spec. consult. for planning & res. Erie County Ment. Health Bd. 67; spec. consult. Chemung County Ment. Health Off. & community ment. health consult. Clifton Springs Hosp. N.Y. 67. AAS: Psychol. Asn. Current activities related to mental health manpower needs and the training needs of sub-professionals. Publ: Co-auth. Autonomic changes from experimentally induced anxiety in cases with positive spike phenomenon, Electroencephalography, 3/63 & A method for inducing stress in a laboratory setting, Int. J. Soc. Psychiat. 12: 273-278. Address: State Dept. of Mental Hygiene, 44 Holland Ave, Albany, N.Y. 12208.
- JACOBS, DR. LAURENCE W. b. Cincinnati, Ohio, May 26, 39; m. 65; c. 1. MARKETING, BUSINESS ADMINISTRATION. B.S. Pennsylvania, 61; M.B.A., Ohio State, 63, Ph.D.(mkt), 66; fel. Mkt. Sci. Inst. 65-66. Mgt. trainee, F. & R. Lazarus Co. Ohio, 61-62; asst. MKT, Ohio State, 63-65; asst. prof. Hawaii, 66-69, ASSOC. PROF. 69-. Consult. U.S. Dept. Commerce-State Tech. Assistant, Act. 68-69. Mkt. Asn; Sales & Mkt. Execs. Int. Acad. Advert. Advertising effectiveness and planning; proper setting and uses of goals; retailing salesmanship; real estate promotions; business ethics; advertising for retailing; consumer behavior; promotions management; communications; business logistics; transportation problems. Publ: TIMSIM: A computerized management game for travel industry management, Red Dot, 63. The meaning of goals, Bus. Horizons, 68. The department store, J. Am. American peoples encyclopedia, Groler, 69. Address: University of Hawaii College of Business Administration, 2500 Campus Rd, Honolulu, Hawaii 96822.
- JACOBS, DR. MARTIN A. b. Brooklyn, N.Y. Jan. 29, 37; m. 57; c. 4. CLINICAL PSYCHOLOGY. B.S. Brooklyn Coll. 57, M.A. 60, Ph.D.(clin. psychol.), Boston, 63. Instr. PSYCHIAT, SCH. MED, BOSTON, 64-66, ASST. PROF. 66-. Nat. Inst. Ment. Health prin. investr. 64-; chief psychologist, Attleboro Area Ment. Health Center, 62-67. Consult. Somerville Guid. Center, 65-; U.S. Army Human Eng. Lab, 68-. Psychosom. Soc. Psychol. Asn. Psychosomatic predisposing and precipitating factors in respiratory allergies; process and outcome factors in psychotherapy; personality factors associated with cigarette smoking in men. Address: Dept. of Psychiatry, Boston University, 80 E. Concord St, Boston, Mass. 02118.
- JACOBS, DR. PAUL (DANIEL). b. Akron, Ohio, Oct. 12, 39. INDUSTRIAL PSYCHOLOGY. B.A. Baylor, 62, Ph.D.(indust. psychol.), 67. Intern. comp. psychol. 67, 71st Aeromed. Res. Lab, 62-63; res. asst. Baylor Primate Behav. Lab, 63-64, sr. res. asst. 64-66; teacher, West, Tex. Independent Schs, 66; asst. PSYCHOL, Baylor, 66-67; instr. OKLAHOMA, 67, ASST. PROF. 67-. Personnel selection officer, Southwest Regional Training Center, VISTA, 68-69. Psychol. Asn. Int. Acad. Forensic Psychol. Motivational studies; stress and its effects on performance; forensic psychology. Publ: Co-auth. Effects of task related stress on human performance of a two component monitoring task, 29: 815-823 & Forensic psychology: perception of guilt and income, 28: 143-146, Perceptual & Motor Skills & An Index for measuring perceived stress in a college population, J. Psychol. 70: 9-15. Address: Dept. of Psychology, University of Oklahoma, Norman, Okla. 73069.
- JACOBS, COL. STANLEY E(VERS), U.S.A.(RET). Psychology. See A-K Vol. 11th ed, Soc. & Behav. Vols. Change of address: 811 Euclid Court, Highwood, Ill. 60040.
- JACOBSON, DR. DAVID, b. Jersey City, N.J. July 9, 40; m. 62; c. 1. SOCIAL ANTHROPOLOGY, URBAN STUDIES. A.B. Colby Coll. 62; Nat. Inst. Ment. Health fel. & Ph.D.(anthrop), Rochester, 67. ASST. PROF. ANTHROP, Connecticut, 67-68; BRANDEIS, 68-. Fel. African Studies Asn; fel. Anthropol. Asn. Social organization of geographically mobile populations, especially intra- and inter-urban migration. Publ: Friendship and mobility in the development of an elite African social system, Southwest J. Anthropol. 68; Culture and stratification among urban Africans, J. Asian & African Studies, 70. Address: Dept. of Anthropology, College of Arts & Sciences, Brandeis University, Waltham, Mass. 02154.
- JACOBSON, DR. HARALD W(ILLIAM). Political Science. See A-K Vol. 11th ed, Soc. & Behav. Vols. New position: Dep. prin. off. Gen. Consult. Gen. 68-. Address: 1250 Fourth St. S.W., Washington, D.C. 20024.
- JACOBSON, PROF. N(OLAN) P(LINY). Philosophy. See 5th ed, Dir. Am. Scholars, Vol. IV, Philos. Relig. & Law.
- JACOBSTEIN, PROF. J. MYRON. Law. See 5th ed, Dir. of Am. Scholars, Vol. IV, Philos. Relig. & Law.
- JAFFE, DR. JACOB, b. Bronx, N.Y. July 26, 30; m. 51; c. 2. PSYCHOLOGY, EDUCATION. B.S. City Univ. New York, 51; M.S. St. John's Univ. 59; Ed.D. (psychol.), Columbia, 65. Remedial teacher, New York City Bd. Ed. 58-62; psychologist, N.Y. Asn. Blind, 62-64; Elmhurst Hosp. 64-65; assoc. dir. ment. retardation center, Teachers Col. Columbia, 65-69; ASST. PROF. PSYCHOL., LEHMAN COL. 69-. AAS: Ed. Res. Asn; Psychol. Asn; Asn. Ment. Deficiency; Personnel & Guid. Asn. Counselor; special education. Publ: Attitudes of adolescents toward the mentally retarded, Am. J. Ment. Deficiency, 70: 907-912; What's in a name, Personnel & Guid. J. 45: 557-560; Attitudes and interpersonal contact, J. Counseling Psychol., 14: 482-484. Address: Dept. of Psychology, Herbert H. Lehman College, Bedford Park Blvd. W., Bronx, N.Y. 10468.
- JAGODA, DR. HARRY M. Psychology. See A-K Vol. 11th ed, Soc. & Behav. Vols. New information: Also chmn, 69-, Dept. of Psychology, Brooklyn College, Brooklyn, N.Y. 11210.
- JAHNKE, DR. JOHN (CURTIS). Experimental Psychology. See Suppl. I to 11th ed, Soc. & Behav. Vols. New information: Also chmn, 69-, Dept. of Psychology, Miami University, Oxford, Ohio 45056.
- JAHNKE, DR. WENDELL LEE, b. Hutchinson, Minn. Apr. 26, 33; m. 57; c. 3. EDUCATIONAL PSYCHOLOGY. B.S. Mankato State Col. 57, M.S. 62; summers, Colo. State Col. 58 & Minnesota, 64; Ph.D.(ed. psychol.), Missouri, 67. Teacher-counsr., Ortonville Pub. High Sch. 57-59; teacher, Army Dept. Schs, Germany, 59-61; Mankato State Col. 62-63, teacher-counsr. bus. ed, Wilson Campus Sch. 63-65, assoc. prof. ed. psychol. col. 67-70; ADMIN. ASST. TO PRES. NORTH. STATE COL. 70-. U.S.A. 53-55. Personnel & Guid. Asn. Co-auth. The effect of difficulty level, temporal position and content of verbal material on retention, Psychol. Reports, 67. Address: Northern State College, Aberdeen, S.Dak. 57401.
- JAIN, DR. CHAMAN LAL, b. Jullundur City, India, Sept. 1, 33; m. 66. ECONOMICS. B.A. Punjab, 53, M.A., 56; M.A. Vanderbilt, 60; Ph.D.(econ), American Univ. 65. Statistician, Epilepsy Found. 58-64; res. asst. R.L. Banks & Assocs. 64-65; ASST. PROF. ECON, ST. JOHN'S (N.Y.), 65-. Direct mail res. consult, Rapp & Collins, 67-68; David Bilgore & Co. 68-. Econ. Asn. Direct mail marketing; economic development and planning. Publ: Co-auth. Direct mail econometrics: a scientific approach to successful marketing by mail, Mail Mkt. Assocs. 64-65; auth. Economic appraisal of import demand for Indian burlap in the United States market, Asian Econ. Rev. 11/66; How much can you afford to get new customers? Direct Mkt. 5/69. Address: 182 Amity St, Brooklyn, N.Y. 11201.
- JAIN, DR. N. C. b. Padwar, India, Apr. 10, 34; m. 68. COMMUNICATION, SOCIAL PSYCHOLOGY. B.Sc. & M.Sc. Jabalpur, 60; M.S. Guelph, 65; Ph.D.(commun), Mich. State, 69. Lectr. soc. sci., Jabalpur, 60-62; asst. prof. psychol. post grad. sch. Pusa Inst. Delhi, 63-64; res. asst. commun. Mich. State, 65-68; ASST. PROF. SOC. PSYCHOL. MEMORIAL UNIV. 68-. V-pres. res. grant & King Edward Mem. fel. 58-60; Int. Soc. & Econ. Res. grant, 69. Soc. Psychol. Study Social Issues, Commun. Asn. Mass. and interpersonal communication; group dynamics and radio forums. Address: Dept. of Psychology, Memorial University of Newfoundland, St. John's, Newfoundland, Can.
- JAIPAL, DR. Political Science, Public Administration. See A-K Vol. 11th ed, Soc. & Behav. Vols. New position: Dir. Nationalities Serv. Center, Rels. Nationalities Serv. Center, 69-. Address: 6308 N. 13th St, Philadelphia, Pa. 19141.
- JAKLE, DR. JOHN ALLAIS. Historical & Social Geography. See 5th ed, Dir. Am. Scholars, Vol. I, Hist.
- JALLOW, DR. RAY. Business Economics. See A-K Vol. 11th ed, Soc. & Behav. Vols. Change of address: 2530 Park Oak Court, Hollywood, Calif. 90028.
- JAMES, DR. ELIZABETH M. b. Philadelphia, Pa. July 14, 36; m. 59; c. 1. POLITICAL SCIENCE. B.A. Douglass Col. Rutgers, 58; M.A. Northwestern, 59; Ph.D.(polit. sci.), George Washington, 69. Res. asst. polit. sci., 59; soc. worker, Child & Family Serv. 61-69; res. writer, Congressional Quart, 61-63; ASST. PROF. POLIT. SCI., TRINITY COL. 68-. Polit. Sci. Asn. Address: 9204 Summit Rd, Silver Spring, Md. 20910.
- JAMES, DR. ERIC G. Political Science, Public Administration. See A-K Vol. 11th ed, Soc. & Behav. Vols. New position: Assoc. dir. U.S. Agency Int. Develop. Mission to Liberia, 68-. Address: Agency for International Development, American Embassy, APO New York 09155.
- JAMES, PROF. HERMAN B(ROOKS). Agricultural Economics. See A-K Vol. 11th ed, Soc. & Behav. Vols. New position & address: Asst. adminstr. war on hunger, 68-, Agency for International Development, 2201 C St. N.W., Washington, D.C. 20523.
- JAMES, DR. LAWRENCE R. b. San Bernardino, Calif. Sept. 22, 43; m. 68. INDUSTRIAL PSYCHOLOGY. B.S. Utah, 65, M.S. 67, Ph.D.(indust. psychol.), 70. RES. PSYCHOLOGIST, INST. BEHAV. RES. CREATIVITY, 67-. Investigation of multiple criteria for job performance across different professions and situations and the relationships between these multiple criteria and biographical and climate data; experimental design; statistics. Publ: Prediction of scientific performance criteria with biographical information, 68 & An investigation of organizational climate, 69, Richardson Found. Address: 1417 S. 1100 E, Salt Lake City, Utah 84106.
- JAMES, DR. J(ONARD) DOUGLAS, b. Stockton, Calif. Aug. 4, 36; m. 57; c. 2. ENGINEERING ECONOMIC HYDROLOGY. B.S. Stanford, 57, M.S. 58, Ph.D.(eng. econ. planning), 65. Hwy. engr. Calif. Dept. Hwys. 57-59; hydraulic engr. Calif. Div. Soil Conserv. 59-64; asst. prof. CIVIL ENG, Kentucky, 64-68, ASSOC. PROF. 68-70; GA. INST. TECH. 70-. Soc. Civil Eng. (Daniel W. Mead prize, 60); Geophys. Union; Water Resources Asn. Economic and hydrologic analysis of alternative structural and non-structural flood control measures; economic issues in water resources planning and development. Publ: Economics of water resources planning, McGraw,

71; Non-structural measures for flood control, Water Resources Res. first quart 65; The economic value of real estate acquired for right-of-way, Land Econ. 8/68. Address: Environmental Resources Center, Georgia Institute of Technology, Atlanta, Ga. 30332.

JAMES, DR. LEWIS FRANCIS. Educational Psychology. See A-K Vol, 11th ed, Soc. & Behav. Vols. New position & address: Assoc. prof., 69-, Dept. of Educational Psychology, Northwestern State College, Natchitoches, La. 71457.

JAMES, DR. PATRICIA ANN. Philosophy. See 5th ed, Dir. Am. Scholars, Vol. IV, Philos. Relig. & Law.

JAMES, DR. RALPH C, b. Chicago, Ill, Apr. 4, 29; m. 57; c. 2. ECONOMICS. Ph.D.(econ), Cornell, 57. Mem. faculty Econ. Mass. Inst. Tech. 57-61; California, 61-67; ASSOC. PROF. STATE UNIV. N.Y. ALBANY, 67- Econ. Assn. Indust. Rel. Res. Assn. Address: Dept. of Economics, State University of New York at Albany, Albany, N.Y. 12203.

JAMES, DR. ROBERT GREGORY. Economics. See A-K Vol, 11th ed, Soc. & Behav. Vols. New information: Pres, Enterprise Develop. Corp., 69- Address: 80 Ludlow Dr, Chappaqua, N.Y. 10514.

JAMES, DR. WALTER THOMAS. Sociology. See A-K Vol, 11th ed, Soc. & Behav. Vols. New position & address: Assoc. prof., 68-, Dept. of Sociology, Saginaw Valley College, University Center, Mich. 48710.

JAMESON, DOROTHEA A. (MRS. LEO M. HURVICH). Psychology. See A-K Vol, 11th ed, Soc. & Behav. Vols. New position: Prof., 69-, Dept. of Psychology, University of Pennsylvania, 3815 Walnut St., Philadelphia, Pa. 19104.

JAMISON, DR. JOHN A., b. San Jose, Calif. Sept. 18, 24; m. 53; c. 2. AGRICULTURAL ECONOMICS. A.B., Stanford, 47, M.B.A., 49; Ph.D. (agr. econ), California, Berkeley, 52. Asst. Hawaiian Pineapple Co., 49-50; asst. dist. mgr., Calif. Fruit Exchange, 50-55, dist. mgr., 55-57; mkt. specialist, U.S. Dept. Agr. & Univ. California, Berkeley, 57-62; res. assoc. agr. econ, food res. inst., STANFORD, 62-66, ASSOC. PROF. AGR. MKT., 66- Consult, Stanford Res. Inst. 66-67; econ. res. serv. U.S. Dept. Agr. 68- U.S.N. 43-46, Lt.(jg). Agr. Econ. Assn. Marketing and perishable crops, principally fruits and vegetables; government policy relating to such crops and the nature of competition in their markets. Publ: California deciduous fruit industry: structure, organization, and practices, Univ. Calif. Col. Agr. Monogr., 64; co-auth. Marketing orders: performance, potential and limitations, Stanford Univ. Food Res. Inst. Monogr., 65; auth. Marketing orders, cartels and cling peaches, Food Res. Inst. Studies, 66. Address: 1965 Byron St, Palo Alto, Calif. 94301.

JAN, PROF. GEORGE POKUNG. Political Science. See A-K Vol, 11th ed, Soc. & Behav. Vols. New position & address: Prof., 68-, Dept. of Political Science, University of Toledo, 2801 W. Bancroft St, Toledo, Ohio 43606.

JANCAR, DR. BARBARA WOLFE. Political Science. See A-K Vol, 11th ed, Soc. & Behav. Vols. New position & address: Exec. dir., 69-, International Science Exchange, Chestertown, N.Y. 12817.

JANCAUSKAS, R (AYMOND) C (ASIMIR). S.J. Economics. See A-K Vol, 11th ed, Soc. & Behav. Vols. Change of address: Lansing-Reilly Hall, 4001 W. McNichols Rd, Detroit, Mich. 48221.

JANCZEWSKI, LT. COL. (GEORGE) H, U.S.A.F. Political Science. See A-K Vol, 11th ed, Soc. & Behav. Vols. New information: Chmn. dept. German, U.S. Air Force Acad., 69-; prof. East European studies, U.S. Army Adv. Inst. Russian & East European Studies, 70-. Address: Dept. of Foreign Languages, U.S. Air Force Academy, Colo. 80840.

JANDY, PROF. EDWARD C (LARENCE). Sociology. See A-K Vol, 11th ed, Soc. & Behav. Vols. New information: Prof. sociol, Montgomery Col., 69- Address: 2307 Lackawanna St, Adelphi, Md. 20783.

JANG, DR. YOUNG SIK, b. Kwang-Ju, Korea, Nov. 12, 32; m. 61; c. 1. ECONOMETRICS, ECONOMICS. B.Eng. Seoul, 55; B.S., Seton Hall, 63; fel. State Univ. N.Y. Albany, 65-68, M.P.A., 66, Ph.D. (economet), 69. Admin. asst. polit. affairs, Orl. V. Pres. Repub. of Korea, 58-59; spec. asst. econ. affairs, Orl. Prime Minister, Repub. of Korea, 60-61; ASST. PROF. ECON. STATE UNIV. N.Y. PLATTSBURGH, 68- Res. Found. State Univ. N.Y. fel., 69. Econ. Assn; Economet. Soc; Statist. Assn; Asn. Evolutionary Econ. Comparative study of interdependent and causal-chain systems in econometric model-building. Publ: Multi-parameter least-squares method, State Univ. N.Y. Albany, 69; Analysis of corporation income tax and proposal for the new adjustment of the present corporation tax, J. Finance, Korea, 61. Address: Dept. of Economics, State University of New York at Plattsburgh, Plattsburgh, N.Y. 12901.

JANICKI, DR. EDWARD CONRAD. Modern Diplomatic & Military History. See 5th ed, Dir. Am. Scholars, Vol. I, Hist.

JANICKI, DR. (WOJCIECH) PETER. Social Psychology. See A-K Vol, 11th ed, Soc. & Behav. Vols. New position: Media res. coordinator, 69-, U.S. Information Agency, IOR/RM, 1750 Pennsylvania Ave, Washington, D.C. 20547.

JANKE, DR. LEOTA LONG. Psychology. See A-K Vol, 11th ed, Soc. & Behav. Vols. New position: Ed. consult, Universal Ed. Corp., 69- Address: 30 Vine Brook Rd, Lexington, Mass. 02173.

JANOVY, DR. DAVID L., b. Seward, Neb., Nov. 10, 34; m. 56; c. 2. SOCIOLOGY. B.A.E., Wayne State Col., 56; M.A., Nebraska, 62. Nat. Sci. Found. fel. & Ph.D. (sociol), 67. Asst. prof. SOCIOL, Illinois State, 64-68; ASSOC. PROF. & CHMN. DEPT. MANKATO STATE COL., 68- Midwest Coun. Soc. Res. in Aging, fel, summers 67-69. U.S.M.C. 56-60, 1st Lt. Sociol. Assn.

Occupational retirement and aging; small groups; social psychology. Address: Dept. of Sociology, Mankato State College, Mankato, Minn. 56001.

JANSSEN, DR. HANS. Economics, Business Administration. See 11th ed, Soc. & Behav. Vols., deceased 68.

JAQUETTE, DR. DAVID L., b. Philadelphia, Pa. Oct. 21, 24; m. 64. INDUSTRIAL ENGINEERING, OPERATIONS RESEARCH. B.S., Swarthmore Col., 64; M.S., Cornell, 67, Ph.D. (opera. res), 69. ASST. PROF. INDUST. & SYSTS. ENG. SOUTHERN CALIFORNIA, 69- Consult. opera. res, Rand Corp, Calif., 69- Opera. Res. Soc. Assn; Inst. Mgt. Sci. Application of operations research techniques to environmental systems problems; inventory theory. Publ: Mathematical models for the optimal control of epidemics and pest populations, Cornell Univ. Dept. Opera. Res., 6/69. Address: Dept. of Industrial & Systems Engineering, University of Southern California, Los Angeles, Calif. 90007.

JARBOE, PROF. EVERETT E. Educational Philosophy. See 5th ed, Dir. of Am. Scholars, Vol. IV, Philos. Relig. & Law.

JAROWCHOWSKA, PROF. MARIA A., b. Silesia, Poland, Feb. 4, 24. POPULATION GEOGRAPHY, HUMAN ECOLOGY. M.A., Poznań, 50, Ph.D. (geog), Adam Mickiewicz Univ. Poznań, 62; Cracow Tech. 55. Asst. librn. main library, sch. econ, Poznań, 51-57, asst. gen. mgr. & head sci. info. dept., 58-65; Can. Coun. fel. GEOG., 65-66; lectr., Manitoba, 66-67, asst. prof., 67-70; PROF. QUEBEC, 70- Am. Assn. Geog.; Can. Assn. Geog. Social and economic adjustment of the people to the changing conditions of a modern society and its technological progress; problem considered in rural and urban aspects. Publ: Canada, the land and the people, Friends of Sci. Soc., Poland, 61; Urbanization process in the Vovodship Zielona Gora, Poland, 60 & Semantic classification in the optimum population theories, 63, Ruch Prawniczy i Ekonomiczny. Address: Dept. of Geography, University of Quebec, Montreal, Que., Can.

JARRELL, DR. DONALD WINFIELD, b. Hookersville, W. Va., Nov. 23, 30; m. 57; c. 2. LABOR & INDUSTRIAL RELATIONS. B.S., West Virginia, 51; M.S., Pennsylvania, 56, Ph.D. (econ), 68. Mgt. trainee to eng. adminstr., Armco Steel Corp., W. Va., 51-52 & 54-55; mech. engr., U.S. Naval Shipyard, Pa., 57; ASSOC. PROF. INDUST. RELS., DREXEL, 58- Higher Ed. Act res. grant, 69- Indust. consult., 69- U.S.A., 52-54. Admin. Mgt. Soc.; Am. Soc. Training & Develop. Soc.; Personnel Admin.; Indust. Rel. Res. Assn. Development of new approaches to achieving behavioral change: a new approach to the measurement of labor force characteristics; criteria for identifying the disadvantaged member of the labor force. Publ: A history of collective bargaining at the Camden-area plants of RCA with special reference to bargaining power, Univ. Pennsylvania, 68; Negroes in supervisory, sales, and staff positions in the Philadelphia metropolitan area, AMS News, 2/69. Address: College of Business Administration, Drexel University, Philadelphia, Pa. 19104.

JARVIE, PROF. IAN C., b. South Shields, Eng. July 8, 37; m. 62; c. 1. PHILOSOPHY, ANTHROPOLOGY. B.Sc. Econ., London Sch. Econ., 56, Ph.D. (logic & sci. method), 61. Tutor PHILOS., London Sch. Econ., 60-62; lectr., Hong Kong, 62-66; assoc. prof., YORK (ONT), 67-69, PROF., 69- Philos. Assn; Philos. Sci. Assn. Philosophy of the social sciences; millenarian religion; sociology of the cinema. Publ: The revolution in anthropology, Humanities, 64 & Regnery, 69; co-auth. Hong Kong: a society in transition, Praeger, 69; Movies and society, Basic Bks., 70. Address: Dept. of Philosophy, York University, Downsview, Ont., Can.

JARVIS, PROF. CHESTER E. Political Science. See A-K Vol, 11th ed, Soc. & Behav. Vols. New publ: Co-ed, TRIAD: tellurian resources inventory and development, NASA Langley Res. Center & Old Dominion Univ., 69. Address: Dept. of Political Science, Gettysburg College, Gettysburg, Pa. 17325.

JARVIS, DR. JOHN J. Operations Research, Systems Analysis. See Suppl. VI to 11th ed, Phys. & Biol. Vols.

JARVIS, DR. JOSEPH ANTHONY. History. See 5th ed, Dir. Am. Scholars, Vol. I, Hist.

JASON, PROF. HILLIARD, b. Montreal, Que., Jan. 17, 33; m. 54; c. 3. PSYCHIATRY, MEDICAL EDUCATION. B.Sc., McGill, 53; Commonwealth Fund fel., Buffalo, 56-58, M.D., 58, Am. Fund for Psychiat. fel., 59-60, Ed.D. (higher ed), 61. Res. assoc. student. ment. health serv., McGill, 62-63; asst. prof. psychiat. & ed. & assoc. med. ed., Rochester, 63-66; assoc. prof. med. ed. & MICH. STATE, 66-68, PROF. PSYCHIAT. & ED., 68-, DIR. MED. ED. RES. & DEVELOP., 66- Consult, Am. Bd. Internal Med., 65-66; consult. & tech. adv. to exec. dir., World Med. Assn. Conf. on Med. Ed., 69-72; mem. tech. adv. group, Nat. Med. Audiovisual Center, Nat. Library Med. Dept. Health, Ed. & Welfare, 68-70. AAS: Asn. Am. Med. Colls; Psychiat. Assn.; Ed. Res. Assn.; Am. Med. Assn. Instructional process in medicine, especially teacher-student interaction; problem-solving process in medicine, particularly implications of diagnostic strategies for approaches to student preparation. Publ: Programming and simulation: the discovery of the student in medical instruction, State Univ. Leiden, Holland, 1/68; Self-instruction in medical education: principles, practices, prospects, Brit. J. Med. Ed., 3/68; Evaluation of audio-visual methods of medical teaching, Can. Med. Assn. J., 6/68. Address: Office of Medical Education Research and Development, Michigan State University, East Lansing, Mich. 48823.

JAY, DR. PHYLLIS CAROL (MRS. J. L. DOLHINOW). Anthropology, Primatology. See DOLHINOW, DR. PHYLLIS JAY, this Suppl.

JEAN, SISTER GABRIELLE L (UCILLE). Psychology. See A-K Vol, 11th ed, Soc. & Behav. Vols. New position: Prof. psychol, Rhode Island Col., 69-, no longer chmn. dept. Address: Rhode Island College, 600 Mt. Pleasant Ave, Providence, R.I. 02906.

JEFFREY, DR. ARTHUR D (AVID). Economics. See A-K Vol, 11th ed, Soc. & Behav. Vols. New position: Prof. econ. develop. & regional planning, 68-, University of Rhode Island, Hart House, Kingston, R.I. 02881.

- JEFFREY, K(ERMIT) C. Business Administration, Economics. See A-K Vol, 11th ed, Soc. & Behav. Vols. Change of address: 1 California St, San Francisco, Calif. 94106.
- JENKIN, DR. THOMAS P(AUL). Political Science. See A-K Vol, 11th ed, Soc. & Behav. Vols. Correction: V.chancellor acad. affairs, 65-69, v.chancellor, 69-, University of California, Riverside, Calif. 92502.
- JENKINS, ARTHUR CLYDE. Engineering, Economics. See A-K Vol, 11th ed, Soc. & Behav. Vols. New information: Independent consult. engr. Address: 1780 Arch St, Berkeley, Calif. 94709.
- JENKINS, PROF. CHARLES RIVINGTON, b. New York, N.Y., Oct. 23, 21; m. 43; c. 2. ANTHROPOLOGY, SOCIOLOGY. B.A. N.Y. Univ. 42; M.A. Columbia, 49; Indiana, 61-62. Asst. prof. sociol. ALLIANCE COL, 58-62, ASSOC. PROF. SOCIOLOG. & ANTHROP. 62-, DR. ARCHAEOLOG. FIELD SCH, 64- Res. assoc. Carnegie Mus, Pa, 69. Med. C. U.S.A. 43-46, Sgt. Fel. Anthropol. Asn. Soc. Am. Archaeol. Archaeological investigation of the prehistory of northwestern Pennsylvania, with emphasis on the Archaic period; reconstruction of the Archaic cultures of the area and their correlation with other Archaic cultures in adjoining areas. Publ: The dance drama of the American Indian and its relation to the folk narrative, J. Man, summer 69. Address: Dept. of Sociology, Alliance College, Cambridge Springs, Pa. 16403.
- JENKINS, PROF. FRANCES BRIGGS, b. San Diego, Calif., Oct. 15, 05; wid. LIBRARY SCIENCE, BIOCHEMISTRY. B.S. Illinois, 26; Ph.D.(biochem), 37; M.S., Tulane, 28; B.L.S., California, Berkeley, 47. Tech. asst. biochem, Tulane, 26-28; asst. biochemist, exp. stat., Tennessee, 28-29; asst. & instr. biochem, col. med. Illinois, 29-41; supvr. correction sec. commun. dept., 11th Naval Dist, 42-44; head sci. reference sect., Univ. Calif. Library, 47-51; assoc. prof. LIBRARY SCI, ILLINOIS, URBANA, 51-57, PROF., 57-, dr. biomed. librn. training prog., 68-71. Mem. adv. cmt. manpower & training, Nat. Library Med, 66-68; Isadore Gilbert Mudge citation distinguished contribution to reference librarianship, 66. U.S.N.R. 44-46, Res, 46-54, Lt. AAAS; Chem. Soc. Med. Library Asn; Soc. Info. Sci. Spec. Librarians Asn; Asn. Am. Library Sch. Literature of pure and applied science; science information service; education for science librarianship. Publ: Science reference sources, Mass. Inst. Tech, 5th ed, 59; co-auth, Bibliography; current state and future trends, Univ. Ill. 67. Address: Graduate School of Library Science, University of Illinois, Urbana, Ill. 61801.
- JENKINS, PROF. HOLMAN W, b. Bethlehem, Pa., Jan. 19, 22; m. 55; c. 3. POLITICAL SCIENCE. B.A., The Citadel, 47; M.A., Pennsylvania, 48, Ph.D. (polit. sci.), 58. Asst. prof. polit. sci. & econ, Gettysburg Col, 48-50; res. dir., Cmt. of 70, Phila., Pa., 52-53; asst. prof. polit. sci. & econ, Lincoln (Pa.), 55-64; dean arts & sci., Mansfield State Col, 64-66; prof. polit. sci. & chmn. dir. soc. behav. & bus. sci., Kingsborough Community Col., City Univ. New York, 66-70; PROF. ECON, CHENEY STATE COL, 70- U.S.A. 42-46, Res, 51-53, Capt. Address: 98 Dartmouth Ave, Swarthmore, Pa. 19081.
- JENKINS, PROF. IREDELL. Philosophy. See 5th ed, Dir. of Am. Scholars, Vol. IV, Philos. Relig. & Law.
- JENKINS, DR. JOAN W(ILLIAMS). Clinical Psychology. See A-K Vol, 11th ed, Soc. & Behav. Vols. Change of address: 6016 Highboro Dr, Bethesda, Md. 20034.
- JENKINS, DR. ROBERT S(PURGEON). Economics. See A-K Vol, 11th ed, Soc. & Behav. Vols. New position & address: Prin, 69-, Pierson Keating & Co, Inc, Management Consultants, 342 Madison Ave, New York, N.Y. 10017.
- JENKINS, PROF. WILLIAM O(LIVER). Psychology. See A-K Vol, 11th ed, Soc. & Behav. Vols. Change of address: Dept. of Psychology, Auburn University, Auburn, Ala. 36830.
- JENNESS, PROF. ARTHUR. Psychology. See A-K Vol, 11th ed, Soc. & Behav. Vols. Change of address: 550 Marion Ave, Palo Alto, Calif. 94301.
- JENNESS, DR. D(AMOND). Anthropology. See 11th ed, Soc. & Behav. Vols, deceased 69.
- JENNESS, DR. JOHN L(EWIS). Geography. See A-K Vol, 11th ed, Soc. & Behav. Vols. New position & address: Mgr. resources & tourism br, 70-, Cape Breton Development Corp, P.O. Box 1330, Sydney, N.S. Can.
- JENNI, DR. DONALD A(LISON). Zoology, Ethology. See Suppl. to 11th ed, Phys. & Biol. Vols.
- JENNINGS, DR. FRANCES N(OVOTNY). Economics, Finance. See A-K Vol, 11th ed, Soc. & Behav. Vols. New information: Mem. bd. dir. N.Y. Univ. Bus. Forum, 69-70. Address: 26 Tiega Dr, Jericho, N.Y. 11753.
- JENNINGS, JAMES MURRAY. Geography, Economics. See A-K Vol, 11th ed, Soc. & Behav. Vols. New position: Pres, Jennings Assocs. Co, 69- Address: 1856 Chadfield Rd, Columbus, Ohio 43221.
- JENSEN, DR. BARRY T(HORVALD). Psychology. See A-K Vol, 11th ed, Soc. & Behav. Vols. New position: V-pres. & dir. behav. sci., Gen. Behav. Sys., Inc, 69- Address: 7829 Melba Ave, Canoga Park, Calif. 91304.
- JENSEN, PROF. DONALD DALE. Psychology. See A-K Vol, 11th ed, Soc. & Behav. Vols. New position & address: Assoc. prof, 69-, Dept. of Psychology, University of Nebraska, Lincoln, Neb. 68508.
- JENSEN, DR. GORDON MAURICE. Modern American & Modern European History. See 5th ed, Dir. Am. Scholars, Vol. I, Hist.
- JENSEN, PROF. HOWARD EKENBERRY. Sociology. See A-K Vol, 11th ed, Soc. & Behav. Vols. Change of address: R.R. 1, Columbia, Mo. 65201.
- JENSEN, DR. LARRY C, b. Logan, Utah, Mar. 30, 38; m. 59; c. 2. PSYCHOLOGY. B.S., Brigham Young, 60, M.S., 61; Ph.D.(ed. psychol.), Mich. State, 65. Instr. PSYCHOL, State Univ. N.Y. Col. Potsdam, 62-64; ASSOC. PROF., BRIGHAM YOUNG, 65- Psychol. Asn; Ed. Res. Asn. Learning; attitude change; moral development. Publ: Retroactive inhibition and prose, J. Ed. Psychol., 70; Effects of two training procedures on moral judgment, 70 & Effects of nurturance on resistance to temptation, 70, J. Develop. Psychol. Address: Dept. of Psychology, Brigham Young University, Provo, Utah 84601.
- JENT, PROF. H. CLAY, b. Wamego, Kans., Apr. 2, 15; m. 47. PHILOSOPHY, EDUCATIONAL PSYCHOLOGY. B.S. Kans. State Teachers Col, 37; M.M.E., Kansas, 47, Ph.D.(philos., ed. psychol.), 51. Asst. dir. bands & orchestras, high sch., Ark., 37-39; dir. bands & orchestras, city schs., Neb., 39-41; dir. All-City Boys' Band & Northeast High Sch. Band, Lincoln, 41-42; dir. instrumental music, Tulare County, Calif., 42-43; asst. prof. ed. & psychol. CENT. MO. STATE COL, 49-52, assoc. prof. 52-58, PROF. PHILOS. & ED. 58- U.S.A. 44-46. Fel. Philos. Asn; fel. Philos. Ed. Soc. Philosophy of education; teaching theory; socio-governmental emphases. Publ: Scientific versus the pre-scientific—is it as simple as that?, Sch. Sci. & Math, 5/65; Student attitudes may have undemocratic roots, Ed. Forum, 1/66; Watchwords and catchwords of democracy, Phi Delta Kappa, 9/66. Address: Dept. of Philosophy, Central Missouri State College, Warrensburg, Mo. 64093.
- JENTZ, PROF. GAYLORD A. Business Law. See A-K Vol, 11th ed, Soc. & Behav. Vols. New information: Chmn. dept. gen. bus. Texas, Austin, 68-; assoc. ed. Soc. Sci. Quart, 67-; ed-in-chief, Am. Bus. Law J. 69- Address: Dept. of Business Law, University of Texas, 624 BEB, Austin, Tex. 78712.
- JERDEE, PROF. THOMAS HARLAN, b. Minneapolis, Minn., Aug. 30, 27; m. 54; c. 2. ORGANIZATIONAL BEHAVIOR. B.A., Gustavus Adolphus Col. 50; M.A., Minnesota, 56, Ph.D.(psychol.), 61. Res. fel. mgmt. develop., Minnesota, 54-59; from asst. prof. to PROF. ORG. BEHAV. NORTH CAROLINA, CHAPEL HILL, 59- AAAS; Psychol. Asn; Psychomet. Soc. International management values. Publ: Co-auth, Identification of management potential, Brown, 61; An experimental evaluation of management development, Personnel Psychol., 60; auth, Work group versus individual differences in attitude, J. Appl. Psychol., 66. Address: Dept. of Organizational Behavior, University of North Carolina School of Business Administration, Chapel Hill, N.C. 27514.
- JEROME, DR. ELTON KING, b. St. Clair, Mich., Aug. 29, 10; m. 48; c. 1. SPEECH PATHOLOGY, AUDIOLOGY. B.S., Northwestern, 32, M.A. 36. Ph.D.(speech path, audiol.), 48; Nat. Insts. Health fel., Hopkins, 59-61. Res. asst. speech path, Mooseheart Lab. for Child Res, 33-36; instr. speech, Purdue, 37-42; assoc. prof. AUBURN, 48-50; prof. speech path. & audiol. West Virginia, 50-57; exec. secy. Nat. Insts. Health, 57-59; audiologist, Vet. Admin. 61-63; ASSOC. PROF. SPEECH PATH. & AUDIOL, HOUSTON, 63- U.S.A.A.F. 42-46. Acoust. Soc. Am; Speech & Hearing Asn. Voice science. Publ: Change of voice in male adolescents, 36 & Laboratory aid for voice training, 40, Quart. J. Speech. Address: 8715 Manhattan Dr, Houston, Tex. 77035.
- JEROME, DR. WILLIAM T. III, b. New York, N.Y., July 29, 19; m. c. 4. ECONOMICS. B.A., Colgate, 41; M.B.A., Harvard, 46, D.C.S., 52; LL.D., Middlebury Col, 63; D.H.L., Toledo, 66. Teacher econ. & asst. to pres., Middlebury Col, 46-50; instr. & res. assoc. mgt. control, grad. sch. bus. admin., Harvard, 50-53; prof. & dean col. bus. admin. & dir. army comptrolship sch., Syracuse, 53-63; pres., Bowling Green State Col, 63-70; SPEC. CONSULT. TO PRES. & V. PRES. ACAD. AFFAIRS, FLORIDA INTERNATIONAL, 70- Mem. cmt. grad. studies, Am. Asn. State Colls. & Univs, 69- Mil. Intel. U.S.A. 43-45. Management and organization, especially growth, change, vitality, environmental problems and issues. Publ: Executive control—the catalyst, Wiley, 61; co-auth. The state university—creator or conformist, Bowling Green State Univ., 64. Address: Florida International University, Tamiami Trail, Miami, Fla. 33130.
- JESKE, DR. J(ULIUS) OSCAR, b. Aleksandrow, Poland, May 6, 36; U.S. citizen; m. 66; c. 1. PSYCHOLOGY, COUNSELING. B.A., South Calif. Col, 62; Texas Christian, 68; Ed.D.(psychol., counseling), Southwest Baptist Theol. Sem, 69. ASST. PROF. PSYCHOL, OKLAHOMA BAPTIST, 69- Religious psychology. Publ: Contrib, Development psychology and the church, Broadman, 70. Address: 4311 N. Pottenger, Shawnee, Okla. 74801.
- JESSEN, PROF. RAYMOND J(AMES). Statistics. See A-K Vol, 11th ed, Soc. & Behav. Vols. Change of address: 851 20th St, Santa Monica, Calif. 90403.
- JEWELL, PROF. MALCOLM EDWIN. Political Science. See A-K Vol, 11th ed, Soc. & Behav. Vols. Change of address: 3337 High Hope Rd, Lexington, Ky. 40502.
- JEWELL, DR. WALTER ORWELL, b. Denver, Colo., Aug. 20, 19; m. 40; c. 1. PSYCHOLOGY. A.B., William Jewell Col, 40; M.A., Denver, 40; Illinois, Urbana, 40-43; Ph.D.(psychol.), Minnesota, Minneapolis, 38. Asst. stud. personnel br., Illinois, Urbana, 42-43; psychometrist, Denver, 46; asst. to dean of students, 46-48; dir. disciplinary counseling bur., Minnesota, Minneapolis, 48-53; psychologist, Vet. Admin. Hosp., Minneapolis, 58-60, ASST. CHIEF PSYCHOL. SERV. FOR COUNSELING, HAMPTON VET. ADMIN. CENTER, VA, 60- Lectr. idwelder center, George Washington Univ., Ft. Monroe, VA, 60-64, assoc. prof. lectr., 64-70, prof. lectr., 70- Consult., Tech. Oper. Inc. Seminar for U.S. Army Chaplains, Ft. Hamilton, N.Y., 63. U.S.A.A.F. 43-46, 5/Sgt. Psychol. Asn. Human learning; research on defensiveness, manifest anxiety and problem solving in counseling and psychotherapy; hospital and domiciliary research in rehabilitation. Publ: Co-auth, Configurational aspects of human learning in the electric maze, Am. J. Psychol., 40. Address: Psychology Service, Hampton Veterans' Administration Center, Hampton, Va. 23367.
- JEWETT, DR. FRANK I, b. Eureka, Calif., Mar. 21, 36; m. 55; c. 3. ECONOMICS. B.S., Humboldt State Col, 62; Nat. Defense Act fel. & Ph.D.(econ.), Claremont Grad. Sch. & Univ. Center, 69. Asst. prof. ECON, HUMBOLDT STATE COL, 65-69, ASSOC. PROF., 69- Econ. Asn; Economet. Soc. Re-

gional econometric models; application of econometric models as planning aids in higher education. Publ: Auth, The Impact of a national park upon a county's economy, Ann. Regional Sci, 12/68. Address: Dept. of Economics, Humboldt State College, Arcata, Calif. 95521.

JICKLING, DR. DAVID L(EE). Political Science. See A-K Vol, 11th ed, Soc. & Behav. Vols. New position: Develop. admin. off., 68-, Agency for International Development, State Dept, Washington, D.C. 20523.

JOEL, DR. CLARK. Economics. See A-K Vol, 11th ed, Soc. & Behav. Vols. New position: Economist, 69-, Robert R. Nathan Associates, 1218 16th St. N.W., Washington, D.C. 20036.

JOERG, PROF. FREDERICK C(HARLES). Economics. See A-K Vol, 11th ed, Soc. & Behav. Vols. New position: Prof. bus. admin. & forest mgmt. & asst. provost acad. admin., 69-, Duke University, 219 Allen Bldg, Durham, N.C. 27706.

JOHANNABER, DR. JOHN W. Psychology of Religion. See 5th ed, Dir. Am. Scholars, Vol. IV, Philos, Relig., & Law.

JOHANNSEN, DR. WALTER JAMES. Clinical Psychology. See A-K Vol, 11th ed, Soc. & Behav. Vols. New position: Partner, Johannsen & Fredenthal, 69- Address: 3230 N. 51st Blvd, Milwaukee, Wis. 53216.

JOHANSEN, DR. ROBERT C(HARLES). Political Science, International Relations. See A-K Vol, 11th ed, Soc. & Behav. Vols. New information: Ph.D. (int. rels), Columbus, 68. Assoc. dir. peace studies inst., Manchester col., 68- New publ: Co-auth, Six papers on peace, Brethren press, 69- Address: R.R. 1, Ridott, Ill. 61067.

JOHNS, LT. COL. CLAUDE J. JR., U.S.A.F. Political Science, Public Administration. See A-K Vol, 11th ed, Soc. & Behav. Vols. New information: Also Dir. library, 68- Air Force Academy Library (DPSLB) U.S. Air Force Academy, Colo. 80840.

JOHNSON, DR. ALBERT SYDNEY, III. Resource Ecology, Wildlife Biology. See Suppl. VI to 11th ed, Phys. & Biol. Vols.

JOHNSON, DR. LLEN WILLARD, b. Berkeley, Calif., Oct. 19, 41; m. 64; c. 1. ANTHROPOLOGY. B.A., California, Berkeley, 63; M.A., Stanford, 65, Nat. Sci. Found. fel., 65-67, Ph.D. (anthrop), 68. ASST. PROF. ANTHROP. COLUMBIA, 68- AAAS: Anthropol. Asn. Economic and ecological approaches; peasant society; mathematical anthropology; Latin America. Publ: Economics and dependence on a Brazilian plantation, Stanford Univ, 70; co-auth, Wages and income in Ceará, Brazil, Southwest. J. Anthropol., spring 69. Address: Dept. of Anthropology, Columbia University, New York, N.Y. 10027.

JOHNSON, DR. BROOKE R(ONALD). Psychology. See A-K Vol, 11th ed, Soc. & Behav. Vols. New position: Area prog. dir., 69-, New River Mental Health Center, 210 W. King St, Boone, N.C. 28607.

JOHNSON, DR. CARSON C(ARL), b. Baltimore, Md., Jan. 12, 30; m. 65; c. 3. PSYCHOLOGY. A.B., Lincoln (Pa.), 51; M.S., Howard, 54; Ph.D. (psychol), Boston, 63. Instr. psychol, Northeastern, 63-64; asst. prof. psychol. & behav. sci., Mass. Col. Pharm., 64-66; ASSOC. PROF. PSYCHOL, EMMAUEL COL. (MASS), 66- Lectr, Northeastern, 64; Boston, 67-69. Res. assoc., Bedford Vet. Admin. Hosp., Mass., 63-66, res. consult., 66- AAAS: Psychol. Asn. Animal motivation; animal and human learning; clinical psychopharmacology; behavior rating scale construction; behavior modification. Publ: Running wheel activity in the white rat as a function of activity restriction and food deprivation, Dissertation Abstracts, Boston Univ, 63; co-auth, Psychiatric and behavioral effects of chlorpromazine conc. sus. in chronic hospitalized schizophrenics, Diseases of Nervous Syst, 4/65. Address: Dept. of Psychology, Emmanuel College, 400 The Fenway, Boston, Mass. 02115.

JOHNSON, DEAN C(HARLES) E(LLICOTT). Accounting. See 11th ed, Soc. & Behav. Vols., deceased 69.

JOHNSON, DR. CHARLES W(ESLEY), b. Harvard, Nebr., Jan. 26; 31; m. 55; c. 3. PSYCHOLOGY, RELIGION. A.B., Nebr. Wesleyan, 52; B.D., Garrett Theol. Sem., 56; M.A., Northeastern, 57; Ph.D. (ed. psychol. & measurement), Nebraska, 63. Asst. prof. PSYCHOL., Carthage Col., 62-64; ASSOC. PROF., Buena Vista Col., 64-65; EVANSVILLE, 65- Psychol. Asn. Occupational choice; psychology of religion; philosophical psychology; existentialism. Address: Dept. of Psychology, University of Evansville, Evansville, Ind. 47704.

JOHNSON, PROF. CORWIN W(AGGONER), Law. See 5th ed, Dir. of Am. Scholars, Vol. IV, Philos, Relig., & Law.

JOHNSON, PROF. DALE LADSWORTH. Psychology. See A-K Vol, 11th ed, Soc. & Behav. Vols. New information: Prof., 69-, Dept. of Psychology, University of Houston, Cullen Blvd, Houston, Tex. 77004.

JOHNSON, DR. DAVID A(LAN), b. Joplin, Mo., Sept. 12, 33; m. 56; c. 2. EXPERIMENTAL PSYCHOLOGY. B.A., Tulsa, 55; M.S., Kansas State Col., Pittsburg, 64; NASA traineeship, Okla. State, 68-69, Ph.D. (exp. psychol), 69. Prod. supvr., Johnson Mfg. Co., Inc., 56-62; instr. PSYCHOL., Kans. State Col., Pittsburg, 64-65; Southeast Mo. State Col., 65-66; Okla. State, 68-69; ASST. PROF., SWEET BRIAR COL., 69- Nat. Sci. Found. res. grant, dept. psychol., Michigan, summer 70. U.S.A., 55-56. Animal behavior; human short-term memory. Publ: Co-auth, Effects of instructional set on pupillary responses during a short term memory task, J. Exp. Psychol. (in press). Address: Dept. of Psychology, Sweet Briar College, Sweet Briar, Va. 24595.

JOHNSON, DR. DAVID C(HESTER). Sociology. See A-K Vol, 11th ed, Soc. & Behav. Vols. New information: Also dean arts & sci., 69-, East Stroudsburg State College, East Stroudsburg, Pa. 18501.

JOHNSON, DR. DAVID E, b. Oakland, Calif., Nov. 14, 36. ECONOMICS. B.A., California, Berkeley, 59, M.A., 61, Ph.D. (econ), 68. Part-time res. economist, California, Berkeley, 64-68; ASST. PROF. ECON., SAN FRANCISCO, 68- Part-time econ. consult., State of Hawaii, 68- Econ. Asn. Economics of industrial organization; the petroleum industry on the Pacific Coast; market structure, conduct and performance. Address: 2674 17th Ave, San Francisco, Calif. 94116.

JOHNSON, DR. DAVIS G(ILMAN). Psychology. See A-K Vol, 11th ed, Soc. & Behav. Vols. New position: Dir. student serv., Asn. Am. Med. Colls., 69- Address: 6406 Maiden Lane, Bethesda, Md. 20034.

JOHNSON, DR. EDGAR (AUGUSTUS) J(EROME). Economic History. See A-K Vol, 11th ed, Soc. & Behav. Vols. New information: Emer. prof. econ. hist., 69-, School of Advanced International Studies, Johns Hopkins University, Washington, D.C. 20036.

JOHNSON, DR. EDGAR M, b. Jacksonville, Fla., Oct. 29, 41; m. 67. EXPERIMENTAL PSYCHOLOGY, ERGONOMICS. B.S., Ga. Inst. Tech., 64; Nat. Defense Ed. Act fel., Tufts, 65-67, M.S., 67, Ph.D. (psychol), 69. RES. SCIENTIST, HUMAN ENG. LAB., U.S. ARMY, 69- U.S.A., 68-, Capt. Psychol. Asn.; Human Factors Soc.; Ergonomics Res. Soc. Human performance, especially attention, information processing and predictive behavior; mathematics modeling; statistics. Address: 621 Edgewood Rd, Edgewood, Md. 21040.

JOHNSON, PROF. EDWARD E(LEMUEL). Experimental Psychology. See A-K Vol, 11th ed, Soc. & Behav. Vols. New information: Also Assoc. dean univ., 69-, Southern University, P.O. Box 9884, Baton Rouge, La. 70813.

JOHNSON, DR. ELBERT B, b. Minneapolis, Minn., Feb. 22, 28; m. 48; c. 4. ECONOMICS. B.A., Kansas City, 51, M.A., 61; Ph.D. (econ), Iowa, 65. Res. assoc. econ. develop., Midwest Res. Inst., Kansas City, Mo., 56-57; econ. Community Studies, Inc., 57-59; res. asst., bur. bus. & econ. res., Univ. Iowa, 59-62; res. economist, indust. res. & exten. center, Univ. Arkansas, 62-68; ASSOC. PROF. ECON. & DIR. CENTER REGIONAL STUDIES, DRURY COL., 65- U.S.N.R., 45-46, Res., 46-68, Comdr. Regional economic development; urban economics and planning; economic geography. Publ: Co-auth, Economic study of the proposed Buffalo National River, Univ. Arkansas & U.S. Dept. Interior, 63; State plan—Arkansas and regions, Univ. Arkansas & State Planning Off., 66. Address: Dept. of Economics, Drury College, Springfield, Mo. 65802.

JOHNSON, DR. ELLIS LANE. Operations Research. See A-K Vol, 11th ed, Soc. & Behav. Vols. New position & address: Mathematician, 68-, IBM Watson Research Center, P.O. Box 218, Yorktown Heights, N.Y. 10598.

JOHNSON, DR. EUGENE M, b. Milford, Del., Oct. 21, 40; m. 62; c. 2. BUSINESS ADMINISTRATION. B.S., Delaware, 62, M.B.A., 64; Mkt. Sci. Inst. fel., Washington (St. Louis), 67-68, D.B.A. (mkt), 69. Asst. bus. Delaware, 62-64; lectr., Washington (St. Louis), 64-66; instr. mkt. St. Louis, 66-67; lectr. BUS. ADMIN., DELAWARE, 68-69, ASST. PROF., 69- Improv. of instr. grant, summer 69. Mkt. Asn. Service marketing management; buying behavior for services; sales management; quantitative methods in marketing. Publ: The meaning of theory and its present state in marketing, Bus. Viewpoints, 67; How to measure your bank's image, Banking, 12/69; The selling of services, In: Handbook of modern marketing, McGraw, 70. Address: College of Business & Economics, University of Delaware, Newark, Del. 19711.

JOHNSON, DR. FRANKLYN ARTHUR. Political Science. See A-K Vol, 11th ed, Soc. & Behav. Vols. Change of address: Lazy Brook Farm, 8878 Hooes Rd, Lorton, Va. 22079.

JOHNSON, FREDERICK. Anthropology. See A-K Vol, 11th ed, Soc. & Behav. Vols. New information: Retired, 69. Address: 1 Woodland Rd, Andover, Mass. 01810.

JOHNSON, PROF. G(UY) B(ENTON). Sociology, Anthropology. See A-K Vol, 11th ed, Soc. & Behav. Vols. New information: Emer. prof., 69-, Dept. of Sociology, University of North Carolina, Chapel Hill, N.C. 27514.

JOHNSON, DR. HAROLD L, b. Sioux City, Iowa, Apr. 5, 24; m. 48; c. 3. ECO-NOMICS. B.B.A., Texas, 47, M.B.A., 48, fel., 48-50, Ph.D. (econ), 52. Assoc. prof. transportation & econ, Georgia State, 51-57; PROF. ECON., EMORY, 57- Participant, Ford Found. Faculty Seminar, Univ. Michigan, 58; Ford Found. study fel., Carnegie Inst. Tech., 60-61, faculty fel., 65. U.S.A.F., 43-45, 2nd Lt. Econ. Asn. Microeconomic theory; business and society; comparative economic systems. Publ: Graphic analysis of multiple goal firms: development, current status and critique, In: Occasional Paper 4, Pa. State Univ., 66; Social responsible firms: an empty box or a universal set? J. Bus., 7/66; Experiments in behavioral economics: Siegel and Fouraker revisited, Behav. Sci., 9/67. Address: Dept. of Economics, Emory University, Atlanta, Ga. 30322.

JOHNSON, PROF. HARRY ALLEYEN. Developmental & Educational Psychology. See A-K Vol, 11th ed, Soc. & Behav. Vols. New information: Also assoc. dean, 69-, Virginia State College, Petersburg, Va. 23803.

JOHNSON, PROF. HARRY L. Economics. See A-K Vol, 11th ed, Soc. & Behav. Vols. New publ: Ed, State and local tax problems, Univ. Tennessee, 69; auth, Monetary Issues of the 1980's, Univ. Texas, 69. Address: Dept. of Finance, College of Business, University of Tennessee, Knoxville, Tenn. 37916.

JOHNSON, PROF. HARRY M(ORTON). Sociology. See A-K Vol, 11th ed, Soc. & Behav. Vols. Change of address: 804 W. Indiana Ave, Urbana, Ill. 61801.

JOHNSON, DR. JAMES ARTHUR, b. Virginia, Minn., Oct. 15, 36; m. 60; c. 4. ECONOMICS. B.A., Minnesota, Duluth, 58; M.A., Minnesota, Minneapolis, 60, Ford Found. fel., 60-62, Ph.D. (econ), 63. Instr. ECON., Minnesota, 59-62; lectr., McMASTER, 62-64, asst. prof., 64-68, ASSOC. PROF., 68- Brookings Econ. Policy fel., 68-69. Am. Econ. Asn.; Nat. Tax Asn.; Can. Econ. Asn.

- Public finance; welfare economics; economics of water pollution control. Publ. The incidence of government revenues and expenditures, Queens Printer, 68; Provincial—municipal intergovernmental fiscal relationships, Can. Pub. Admin. J. summer 69; The Distribution of the burden of sewer user charges under various charge formulas, Nat. Tax J. 12/69. Address: Dept. of Economics, McMaster University, Hamilton, Ont. Can.
- JOHNSON, DR. JAMES JAY, b. Emporia, Kans. Dec. 25, 39; m. 62; c. 1. EDUCATIONAL PSYCHOLOGY. A.B., Washington (St. Louis), 61; M.A., Illinois State, 64; Ph.D. (counselor ed.), Northwestern, 66. ASSOC. PROF. PSYCHOL., ILLINOIS STATE, 66. U.S.A.R. 61-67. Personnel & Guid. Assn.; Assn. Couns. Ed. & Supv.; Assn. Measurement & Eval. in Guid. Function and status of junior college student personnel services; relationship of personality variables to counseling success. Publ: Co-ed., Readings for educational psychology, Holt, (in press); auth. The hippy as a developmental task, Adolescence, spring 69. Address: Dept. of Psychology, Illinois State University, Normal, Ill. 61761.
- JOHNSON, DR. JAMES P(EARCE). American History. See 5th ed, Dir. Am. Scholars, Vol. I, Hist.
- JOHNSON, PROF. JESSE B(UTLER). Political Science. See A-K Vol. 11th ed, Soc. & Behav. Vols. New information: Emer. prof. polit. sci. Cent. Conn. State Col., 69. Address: 474 S. Main St. West Hartford, Conn. 06110.
- JOHNSON, LT. COMDR. JIMMIE H. U.S.N. b. Rector, Ark. July 29, 28; m. 50; c. 2. INDUSTRIAL PSYCHOLOGY, HUMAN FACTORS ENGINEERING. A.B., San Jose State, 59; M.S. 59; M.A. (Fla.), 64. MED. SERV. C. U.S. NAVY, 59-. aviation psychologist, Naval Sch. Aviation Med. Pensacola, 59-63, res. psychologist, Naval Submarine Med. Res. Lab. New London, 64-67, aerospace psychologist, Staff, Commr. Fleet Air Wings, Atlantic, Norfolk, 67-69, SCI. ADVT. TEAM LEADER, COMMANDER ANTISUBMARINE WARFARE FORCES, ATLANTIC, 69-. Psychol. Asst. Aerospace Med. Assn. Selection and training of aviator personnel; the influence of human factors upon weapons systems effectiveness. Publ: The effects of training plane type on jet pilot performance, 62, co-auth. The use of newly designated aviators as instructors, 63 & The relationship between mathematics and physics and flight training, 64, Aerospace Med. Address: Naval Air Station SP47, Room 120, Norfolk, Va. 23511.
- JOHNSON, DR. JOE DAVID. Counseling Psychology. See A-K Vol. 11th ed, Soc. & Behav. Vols. New position: Dir. health & counseling center, 68-. Baylor University, Box 6306, BU Sub-Station, Waco, Tex. 76706.
- JOHNSON, DR. JOHN THOMAS, JR. b. Knoxville, Tenn. June 10, 42; m. 64; c. 1. DEVELOPMENTAL PSYCHOLOGY. B.A., Carson Newman Col., 64; M.A., Wake Forest, 66; Ph.D. (psychol.), George Peabody Col., 68. ASST. PROF. PSYCHOL., MEMPHIS STATE, 68-. Consult., Arlington State Hosp. & Sch. for Retarded, 69-. Assn. Ment. Deficiency. The investigation of attention and learning as a function of development with special interest in the mentally retarded. Publ: CS-USCS interval in differential eyelid conditioning with retarded, Psychonomic Sci. 8, 327-328, co-auth. Inhibitory deficits in retarded learning and attention. In: International review of mental retardation, Acad. Press, 70 & Retroactive and proactive inhibition as a function of intelligence, Am. J. Ment. Deficiency, 70. Address: Dept. of Psychology, Memphis State University, Memphis, Tenn. 38111.
- JOHNSON, PROF. JOSEPH K(ELLY). Sociology. See A-K Vol. 11th ed, Soc. & Behav. Vols. New information: Prof. social, Huston-Tillotson Col., 69-. Address: 407 W. 18th St., Apt. 300, Austin, Tex. 78701.
- JOHNSON, DR. LANE JOSEPH. Geography. See A-K Vol. 11th ed, Soc. & Behav. Vols. New position & address: Assoc. prof., Dept. of Geography, Temple University, Philadelphia, Pa. 19122.
- JOHNSON, DR. L(ELAND) L(EROY). Economics. See A-K Vol. 11th ed, Soc. & Behav. Vols. New position: Sr. staff, Rand Corp., 69-. Address: 649 Los Lomos, Pacific Palisades, Calif. 90272.
- JOHNSON, PROF. LILLIAN M(AY). Psychology. See A-K Vol. 11th ed, Soc. & Behav. Vols. New information: Also dir., 69-. Office of Educational Innovation, University of Cincinnati, Cincinnati, Ohio 45221.
- JOHNSON, DR. LYNN ERIC. Psychology. See A-K Vol. 11th ed, Soc. & Behav. Vols. New information: Also dir., 66-. Educational Information & Guidance Center, Brigham Young University, 212 Education Bldg., 500 N. University Ave., Provo, Utah 84601.
- JOHNSON, DR. MAURICE GLEN. Political Science. See A-K Vol. 11th ed, Soc. & Behav. Vols. New position: Asst. to pres., 69-, Dept. of Political Science, Vassar College, Poughkeepsie, N.Y. 12601.
- JOHNSON, PROF. OLE S(IMON). Marketing, Business Administration. See A-K Vol. 11th ed, Soc. & Behav. Vols. New position & address: Dean, 69-, School of Business Administration, Old Dominion University, 49th & Hampton Blvd., Norfolk, Va. 23508.
- JOHNSON, DR. OVERTON REFORD, b. Dewitt, Va. Jan. 27, 23; m. 24; c. 3. AGRICULTURAL EDUCATION. B.S., Va. State Col., 48; M.S., Cornell, 51, Ph.D. (agr. educ.), 54. Teacher trainer agr. mech., Va. State Col., 54-56, dean sch. agr. 66-70, ASST. DEAN COL. AGR., VA. POLYTECH. INST., 70-. Mem. Va. State Cmn. on Indust. of Agr. 68-69; Va. adv. cmt. Div. Planning & Community Affairs, 69-. U.S.A. 42-7, Res. 47-, Lt. Col. Soc. Agr. Eng. Assn. Higher Educ.; Voc. Assn. Design and development of woodchipping machines and the use and value of wood chips from farm woodlots. Address: College of Agriculture, Virginia Polytechnic Institute, Blacksburg, Va. 24061.
- JOHNSON, PROF. PAUL E(MANUEL). Psychology of Religion. See 5th ed, Dir. Am. Scholars, Vol. IV, Philos. Relig. & Law.
- JOHNSON, DR. PAUL ERICK, b. Minneapolis, Minn. Sept. 13, 38; m. 60; c. 3. EDUCATIONAL PSYCHOLOGY. B.S., Minnesota, 60; M.A.T., Hopkins, 61, Ph.D. (ed. psychol.), 64. Res. asst. psychol., Hopkins, 63-64; asst. prof. ED. PSYCHOL., MINNESOTA, MINNEAPOLIS, 64-68, ASSOC. PROF., 68-. Mem. center res. in human learning, Minnesota, Minneapolis, 64-. U.S. Off. Ed. res. grant, 70-72; Soc. Sci. Res. Coun. fel. conf. learning & ed. process, Stanford, summer 64. AAAS; Ed. Res. Assn.; Psychol. Assn. Cognitive processes; psychology of science; communication of scientific knowledge. Publ: Associative meaning of concepts in physics, 64 & On the communication of concepts in science, 69, J. Ed. Psychol.; co-auth. Reversibility in nonconservation of weight, Psychonomic Sci., 69. Address: Dept. of Educational Psychology, 331 Burton Hall, University of Minnesota, Minneapolis, Minn. 55455.
- JOHNSON, DR. RAYMOND GUSTAF, b. Chicago, Ill. June 21, 26; m. 59; c. 3. PSYCHOLOGY. B.A., Augustana Col. (Ill.), 50; M.A., Syracuse, 52; Ph.D. (clin. psychol.), Minnesota, 67. Teacher, Boy's Farm Sch., Durand, Ill., 52-53; dean of men, Coe Col., 53-55; clin. psychologist, Minneapolis Gen. Hosp., 58-59; instr. PSYCHOL., Hamline, 59-60; asst. prof., MACALESTER COL., 60-67, ASSOC. PROF., 67-. Psychol. Assn. Personality assessment; psychopathology etiology. Address: Dept. of Psychology, Macalester College, St. Paul, Minn. 55101.
- JOHNSON, PROF. RICHARD ABRAHAM. Latin American History, International Relations. See 5th ed, Dir. Am. Scholars, Vol. I, Hist.
- JOHNSON, PROF. RICHARD M. Political Science. See A-K Vol. 11th ed, Soc. & Behav. Vols. New position & address: Prof. & head, 70-, Dept. of Political Science, University of Illinois, Chicago Circle, Box 4348, Chicago, Ill. 60680.
- JOHNSON, PROF. RICHMOND EARLE, b. Springfield, Mass. Sept. 11, 33; m. 58; c. 4. EXPERIMENTAL PSYCHOLOGY. A.B., Lafayette Col., 56; M.A., Connecticut, 59; Lehigh, 67-70. Instr. PSYCHOL., MORAVIAN COL., 59-60, asst. prof., 60-69, ASSOC. PROF., 69-. chmn. dept., 60-65, dean students, 61-65, U.S.A.R. 57-58, Res. 58-69, Capt. AAAS; Psychol. Assn. Stimulus generalization; learning theory; experimental design. Publ: Co-auth. Discrimination reversal following learning without errors, Psychonomic Sci., 8/68, Toward cheating as a function of classroom dissatisfaction and peer norms, J. Ed. Res., 10/68 & Wavelength detection in the pigeon, Perception & Psychophys. (in press). Address: Dept. of Psychology, Moravian College, Bethlehem, Pa. 18018.
- JOHNSON, DR. ROBERT B(ETHUNE). Geography, Long Range Planning. See A-K Vol. 11th ed, Soc. & Behav. Vols. New information: Vpres. res. Ed. Prod. Inc., 69-. Address: 4873 La Gama Way, Santa Barbara, Calif. 93105.
- JOHNSON, ROBERT E(DWARD). Economics, Statistics. See A-K Vol. 11th ed, Soc. & Behav. Vols. New position: Dep. asst. cmnr. Bur. Labor Statist., 68-. Address: 5702 37th Ave., Hyattsville, Md. 20782.
- JOHNSON, DR. ROBERT M. b. Arnegard, N.Dak. May 1, 32; m. 57; c. 2. AUDIOLOGY. B.S., N.Dak. State, 61; M.A., Northwestern, 63. Ph.D. (audiol.), 68. Res. assoc. AUDIOL., Northwestern, 62-64; ASST. PROF., DENVER, 66. J. A.S.F. 52-56, Res. 56-58. Speech & Hearing Assn. Publ: Co-auth. Earphone versus sound field threshold sound pressure levels for spondee words. J. Acoustical Soc. Am., 1/66. Address: Dept. of Speech, University of Denver, Denver, Colo. 80210.
- JOHNSON, DR. ROGER N., b. Dayton, Ohio, Apr. 22, 39; m. 67; c. 1. PSYCHOLOGY. B.A., Swarthmore Col., 61; M.A., Connecticut, 62, Ph.D. (psychol.), 65. ASST. PROF. PSYCHOL., Amherst Col., 65-68; TUFTS, 68-. Nat. Inst. Ment. Health grants, 67-71. AAAS; Psychol. Assn.; Animal Behav. Soc. Motivation; comparative and physiological psychology; learning. Publ: Pattern discrimination learning set formation in rats with brain stimulation as a reinforcer, Psychonomic Sci. 6: 315-316; Effects of intracranial reinforcement intensity and distributional variables on brightness reversal learning in rats, J. Comp. Physiol. Psychol., 66: 422-428; sr. auth. Intracranial self-stimulation and the rapid decline of frustrative non-reward, Science, 164: 971-972. Address: Dept. of Psychology, Tufts University, Medford, Mass. 02155.
- JOHNSON, PROF. SHILDES (RISDON VAIL). Bible, Biblical Languages. See 5th ed, Dir. Am. Scholars, Vol. III, For. Lang. Ling. & Philol.
- JOHNSON, DR. STANFORD L. Marketing. See A-K Vol. 11th ed, Soc. & Behav. Vols. New position: Prof. bus. 69-, Dept. of Marketing, San Francisco State College, 1600 Holloway Ave., San Francisco, Calif. 94132.
- JOHNSON, PROF. WALTER FRANK, JR. Counseling, Psychology. See A-K Vol. 11th ed, Soc. & Behav. Vols. Change of address: 429 College of Education, Michigan State University, East Lansing, Mich. 48823.
- JOHNSON, DR. WILLARD RAYMOND. Political Science. See A-K Vol. 11th ed, Soc. & Behav. Vols. New position: Assoc. prof., 69-, Dept. of Political Science, Massachusetts Institute of Technology, Cambridge, Mass. 02138.
- JOHNSON, DR. WILLIAM LEE. Mathematics, Operations Research. See Supp. VI to 11th ed, Phys. & Biol. Vols.
- JOHNSON, DR. STEPHEN HENNING, b. San Francisco, Calif. Dec. 5, 32. INTERNATIONAL POLITICS, POLITICAL SCIENCE. B.A., Washington & Lee, 54; M.A., Georgetown, 56, Ph.D. (govt.), 59. Res. assoc. Hoover Inst. War, Revolution & Peace, Stanford, 62-66; lectr. San Francisco State Col., 66-67; res. specialist, PEPPERDINE RES. INST., 67-69. ACTING DR., 69-. Lectr. Pepperdine Col., 67-70. Acad. Polit. & Soc. Sci.; Hist. Assn. Soviet-German relations in the twentieth century; recent problems in United States foreign policy, particularly the Far East; examination of international techniques of Communist conflict management. Publ: The coup d'etat that failed, Baltic Rev., 5/61; An introduction to the role of proxies in Soviet strategic planning, Phalanx, summer 67. Address: 722 19th Ave., San Francisco, Calif. 94121.

- JOHNSTON, DR. DENIS F(OSTER). Demography, Sociology. See A-K Vol, 11th ed, Soc. & Behav. Vols. New information: Demographer, Bur. Labor Statistics, 69-; adl. prof. econ, Temple lectr. sociol, Georgetown. Address: 1434 36th St. N.W., Washington, D.C. 20007.
- JOHNSTON, PROF. EDWARD FRANKLIN. Agricultural Economics. See A-K Vol, 11th ed, Soc. & Behav. Vols. Change of address: Dept. of Agricultural & Resource Economics, University of Maine, 307 Winslow Hall, Orono, Maine 04473.
- JOHNSTON, PROF. JON JOLYON. Philosophy. See 5th ed, Dir. of Am. Scholars, Vol. IV, Philos. Relig. & Law.
- JOHNSTON, DR. THOMAS E. JR. English. See 5th ed, Dir. Am. Scholars, Vol. II, Eng. Speech & Drama.
- JOHNSTONE, PROF. ROBERT LAWRENCE, B. Paducah, Ky, Sept. 14, 26; m. 48; c. 4. ECONOMICS, AGRICULTURAL ECONOMICS. B.S. Kentucky, 48, M.S. 57; Ph.D.(agr. econ), Illinois, 61. Teacher, Logan County Bd. Ed, 48-52; Todd County Bd. Ed, 52-53; farm mgr. & operator, Todd County, Ky, 49-55; res. asst. agr. econ, Kentucky, 55-56; Illinois, 56-59; exten. specialist, N.C. State Col., 59-64; PROF. ECON. & CHMN. DEPT. AGR. BERE A COL., 64- U.S.A. 44-46. Econ. Asn; Agr. Econ. Assn. Public finance, resource use in agriculture and related income and public policy aspects. Address: 319 Forest St, Berea, Ky. 40403.
- JOINER, PROF. HARRY MASON, B. Paducah, Ky, Aug. 30, 44; m. 68. INTERNATIONAL RELATIONS, FOREIGN POLICY. B.A., DePaul, 65; M.A., Kentucky, 66, William Patterson fel., 68-69; M.A., Grad. Inst. Studies, Geneva, 68. Asst. hist. Kentucky, 65-67; ASSOC. PROF. POLIT. SCI., ATHENS COL., 69. Polit. Sci. Assn. Sov. area; comparative government. Address: Dept. of Political Science, Athens College, Athens, Ala. 35611.
- JOLLIFFE, PROF. H(AROLD) R(ICHARD). Journalism. See 5th ed, Dir. Am. Scholars, Vol. II, Eng. Speech & Drama.
- JONAS, PROF. HANS. Philosophy. See 5th ed, Dir. of Am. Scholars, Vol. IV, Philos. Relig. & Law.
- JONES, DR. AUSTIN (EDWARD). Psychology. See A-K Vol, 11th ed, Soc. & Behav. Vols. New position & address: Dir. clin. psychol. training prog, 68-; Dept. of Psychology, Arizona State University, Tempe, Ariz. 85281.
- JONES, DR. CHARLES CLYDE, B. East Lynn, W.Va, Feb. 9, 26; m. 51; c. 2. POLITICAL SCIENCE. B.A., Marshall, 49, M.A., 50, teacher cert, 52; Ph.D. (polit. sci), West Virginia, 67. Indust. engr, Sylvania Elec. Co, 52-63; instr. polit. sci, Westminster Col., 65-66; asst. prof, ARKANSAS STATE, 66-69, ASSOC. PROF. POLIT. SCI. & CHMN. DIV. POLIT. SCI., GEOG. & SOCIOL., 69- U.S.A. 44-46. Soc. & Behav. Vols. American government and foreign policy; state and local government. Publ: The Peace Corps: an analysis of the development problems, preliminary evaluation and future, Univ. Mich, 67. Address: Dept. of Political Science, Arkansas State University, State University, Ark. 72467.
- JONES, DR. (CHARLES) HERSCHL. Political Science. See A-K Vol, 11th ed, Soc. & Behav. Vols. New position: V-pres, 68-; Williamsport Area Community College, 1005 W. Third St, Williamsport, Pa. 17701.
- JONES, DR. DAVID HENRY. Philosophy. See 5th ed, Dir. Am. Scholars, Vol. IV, Philos. Relig. & Law.
- JONES, DR. DELMOS J. Anthropology. See A-K Vol, 11th ed, Soc. & Behav. Vols. Change of address: The City University of New York Graduate Center, 33 West 42nd St, New York, N.Y. 10036.
- JONES, PROF. DON ELWIN, B. Salt Lake City, Utah, Sept. 13, 27; m. 52; c. 2. PSYCHOLOGY, EDUCATION. B.S., Utah State, 51; M.A., Houston, 52; Ed.D.(admin), Arizona State, 62. Dir. student employment, Utah State, 54-56; superv. engr. admin, Marquardt Corp, Utah, 56-58, superv. salaried personnel, 58-60; mgr. prfl. personnel, Motorola, Inc, Ariz., 60-62; personnel & mgt. develop, Martin Marietta Corp, Colo, 62-65; PROF. ADMIN. SCI. & HEAD DIV. COL. BUS. ADMIN., DENVER, 65- Lectr. Indust. Ed. Inst. U.S. Can. & Eng. 65-70. U.S.A. 46-47; U.S.A.F. 51-53, 1st Lt. Psychol. Asn. Organizational behavior; small group dynamics; perception and communication. Publ: Training programs for scientists, Utah State Alumnus, 2/56, Current programs of cooperative engineering, J. Eng. 5/63 & Creating an effective professional climate, Mach. Design, 1/64. Address: Division of Administrative Sciences, University of Denver College of Business Administration, Denver, Colo. 80202.
- JONES, DR. DOUGLAS (NORIN). Economics. See A-K Vol, 11th ed, Soc. & Behav. Vols. New position & address: Spec. asst. to secy. commerce, 68-; Dept. of Commerce, 14th & Constitution Ave, Washington, D.C. 20230.
- JONES, PROF. EDWARD S(AFFORD). Psychology. See 11th ed, Soc. & Behav. Vols, deceased 69.
- JONES, DR. ELLIS JOHN, B. New Ulm, Minn, Nov. 13, 31; m. 54; c. 2. BUSINESS EDUCATION. B.A., Gustavus Adolphus Col, 52; M.A., Minnesota, Minneapolis, 55; Ed.D.(bus. ed), North Dakota, 65. Teacher, high sch, Minn, 55-58, instr. BUS. ED. CUSTAVUS ADOLPHUS COL., 58-59, asst. prof, 59-65, ASSOC. PROF. 65-; asst. dean acad. affairs, 69-70. Mem. Policies Cnn. Bus. & Econ. Ed. 66-; Joint Cmt. Econ. Ed. 70- U.S.A. 52-54, Sgt. Voc. Asn. Business skills; shorthand. Address: Dept. of Economics & Business, Gustavus Adolphus College, St. Peter, Minn. 56082.
- JONES, DR. ENDSLEY TERENCE. Political Science. See A-K Vol, 11th ed, Soc. & Behav. Vols. New position & address: Asst. prof, 69-; Dept. of Political Science, University of Missouri at St. Louis, 8001 Natural Bridge Rd, St. Louis, Mo. 63121.
- JONES, PROF. ERNEST McCLAIN. Law. See 5th ed, Dir. Am. Scholars, Vol. IV, Philos. Relig. & Law.
- JONES, PROF. EUGENE WISE. Political Science. See A-K Vol, 11th ed, Soc. & Behav. Vols. New position & address: Head, 69-; Dept. of Government, Angelo State University, San Angelo, Tex. 76901.
- JONES, PROF. GARTH NELSON, B. Salt Lake City, Utah, Feb. 25, 25; m. 50; c. 3. POLITICAL SCIENCE, PUBLIC ADMINISTRATION. B.S., Utah State, 47; fels, Utah, 47-48, 49-50, M.S. & cert, 48, Ph.D.(polit. sci, econ), 54; fel, Pa. State, 48-49. Res. asst. polit. sci, Utah, 47-48, mem. res. & teaching staff, 49-50; res. specialist & consult, Utah Munic. League & Utah State Asn. County Officers & Off, Salt Lake City, 50-51; admin. asst. to dist. adminstr., U.S. Dept. Interior, Ponape Dist, East. Carolines, 51; food & drug inspector, U.S. Dept. Agr, Salt Lake City, 51-53; asst. prof. pub. admin, Brigham Young, 53-56; pub. admin. adv. & for. serv. reserve officer, Agency Int. Develop, Indonesia, 56-62; assoc. prof. pub. admin, Southern California, 61-67, univ. party rep, Lahore, 64-65, chief of party of univ. contract, Nat. Insts. Pub. Admin, at Karachi, Dacca & Lahore, dept. admin. sci, Univ. Panjab & Civil Serv. Acad, Lahore, 65-67, for. serv. reserve officer & chief pub. admin. div, Agency Int. Develop, Pakistan, 67-69, sr. specialist, East-West Center, Univ. Hawaii, 69-70; PROF. POLIT. SCI., COLORADO STATE, 70- Res. specialist, Salt Lake County, Utah, 48. Res. consult, Utah Found, Salt Lake City, 53-54. Soc. Pub. Admin; Polit. Sci. Asn; Soc. Appl. Anthrop. Organizational theory and behavior; development administration and finance; role of bureaucracy in planned development; local government; planned or organizational change. Publ: Planned organizational change: a study in change dynamics, Routledge & Kegan Paul, London, 68 & Praeger, 69; Integration of political ethos and local government systems: the Utah experience with council manager government, Human Orgn, fall 64; Planning for national goals: implications for the development of a programmed budget system in Pakistan, Nat. Inst. Pub. Admin, J. Karachi, Pakistan, 3/67. Address: Dept. of Political Science, Colorado State University, Ft. Collins, Colo. 80521.
- JONES, DR. GRANT D, B. Washington, D.C., Sept. 17, 41; m. 65; c. 1. CULTURAL & SOCIAL ANTHROPOLOGY. B.A., Fla. State, 62; Nat. Sci. Found. fel., Washington, D.C., 64; Nat. Sci. Found. postdoc, 64-66, M.A., 66, Nat. Inst. Ment. Health fel., 66-68, Ph.D.(anthrop), 69. ASST. PROF. ANTHROP. & CHMN. DEPT., HAMILTON COL., 68- N.Y. State For. Area Course Prep. grant, N.Y. State Dept. Ed., summer 70. Anthropol. Asn; Soc. Appl. Anthropol. Economic anthropology; anthropology of development and modernization; comparative agricultural systems; revitalization movements; historical analysis in anthropology; Mesoamerica; the Caribbean; ethnological theory. Publ: Co-auth, Linguistic problems in British Honduras, Caribbean Quart, 12; 55; auth, British Honduras, In: American peoples encyclopedia, Grolier, (in press). Address: Dept. of Anthropology, Hamilton College, Clinton, N.Y. 13323.
- JONES, DR. JAMES A. Sociology. See A-K Vol, 11th ed, Soc. & Behav. Vols. New position & address: Assoc. prof, 70-; School of Social Work, Columbia University, New York, N.Y. 10027.
- JONES, PROF. J(OHN) A(LAN). Cultural Anthropology. See A-K Vol, 11th ed, Soc. & Behav. Vols. New position & address: Prof. soc. planning, 69-; College of Human Development, Pennsylvania State University, University Park, Pa. 16802.
- JONES, DR. LONNIE LEE, B. Clarksburg, Tex. Apr. 29, 40; m. 61; c. 3. AGRICULTURAL & RESOURCE ECONOMICS. B.S., Stephen F. Austin State, 61; M.S., La. State, 64; Ph.D. (agr. econ), Okla. State, 67. Teacher, high sch, Woden, Tex, 61-62; ASST. PROF. AGR. ECON., TEXAS A&M, 67- Agr. Econ. Asn; Asn. Evolutionary Econ. Agricultural marketing and resource development especially development of regional interindustry economic models. Publ: Co-auth, Market power for agriculture in the Southwest, 68 & The southern rice industry, 70, Tex. A&M Univ. Address: Dept. of Agricultural Economics, Texas A&M University, College Station, Tex. 77843.
- JONES, PROF. LYLE V(INCENT). Psychology. See A-K Vol, 11th ed, Soc. & Behav. Vols. New information: Also dean grad. sch. & v.chancellor, 69-; University of North Carolina at Chapel Hill, 104 South Bldg, Chapel Hill, N.C. 27514.
- JONES, DR. MARGARET HUBBARD. Psychology. See A-K Vol, 11th ed, Soc. & Behav. Vols. New position: Res. psychologist, 70-; Institute of Transportation & Traffic Engineering, Dept. of Engineering, University of California, Los Angeles, Calif. 90024.
- JONES, DR. MARSHALL B(USH). Psychology. See A-K Vol, 11th ed, Soc. & Behav. Vols. New position & address: Assoc. prof, 68-; Dept. of Behavioral Science, The Hershey Medical Center, Pennsylvania State University, Hershey, Pa. 17033.
- JONES, DR. MARTIN V. Economics. See A-K Vol, 11th ed, Soc. & Behav. Vols. New position: Div. staff, 70-; Mitre Corp, Westgate Research Park, McLean, Va. 22101.
- JONES, PROF. MARY COVER, B. Johnstown, Pa, Sept. 1, 96; m. 20; c. 2. PSYCHOLOGY. A.B., Vassar Col, 19; M.A., Columbia, 20, Rockefeller fel., 25-27, Ph.D.(psychol), 26. Asst. psychologist, N.Y. Children's Hosp, 20; teacher, pub. schs, N.Y. 20-21; psychometrist, Commonwealth Fund Pre-Sch. Surv., 21-23; res. assoc. inst. child welfare res, Columbia, 23-25; lectr., Calif. State Dept. Ed, 27-28; res. assoc. inst. human develop, CALIFORNIA, BERKELEY, 28-59, lectr. psychol. univ, 46-59, assoc. prof. ED, 53-59, prof, 59-60, EMER. PROF. 60- Lectr., Woman's Med. Col. Pa, 21-22; res. assoc. psychol., Stanford, 61-65. Consult, inst. human develop, California, Berkeley, 70-; Fortieth Anniversary award, 69. Psychol. Asn.(pres, div. develop. psychol, 64-65; G. Stanley Hall award, 68); fel. Soc. Res. Child Develop; fel. Geront. Soc. Patterns of development in adolescent; interrelationship of physical, social, & personal factors in family life and child rearing practices in group of young adults whose adolescent development has been studied. Publ: Co-auth, The course of human development, Blaisdell, 69; auth,

- JREISAT, DR. JAMIL E.** b. Jordan, Apr. 9, 35. PUBLIC ADMINISTRATION, POLITICAL SCIENCE. B.S. American Univ. 62; M.P.A. Pittsburgh, 63. Ph.D.(pub. & int. affairs), 68. Sr. officer, dept. of customs, Ministry of Finance & Customs, Jordan, 59-65; instr. pub. admin. Pittsburgh, 66-67; lectr. 67-68; ASST. PROF. POLIT. SCI. SOUTH FLORIDA, 68. Inter-Univ. Res. Prog. Inst. Bldg. res. grant, Mid. East & U.S., 67-68. Soc. Pub. Admin.; fel. Mid. East Studies Assn. N.Am.; Mid. East Inst. Comparative and development administration. Address: Dept. of Political Science, University of South Florida, Tampa, Fla. 33620.
- JUERGENSMEYER, DR. J(JOHN) E(L).** Politics, Public Law. See A-K Vol, 11th ed, Soc. & Behav. Vols. New information: Acting head dept. govt. Judson Coll; proprietor, Juergensmeyer Law Offices, 69. Address: Lawyers Bldg, Suite 500, 5 Douglas Ave, Elgin, IL 60120.
- JUDY, PROF. RICHARD W.** Economics, Computer Science. See A-K Vol, 11th ed, Soc. & Behav. Vols. Change of address: Institute for the Quantitative Analysis of Social & Economic Policy, University of Toronto, 150 St. George St, Toronto 5, Ont, Can.
- JULIAN, DR. JOSEPH.** Sociology. See A-K Vol, 11th ed, Soc. & Behav. Vols. New position: Assoc. prof., Dept. of Sociology, University of Nebraska, Lincoln, Nebr. 68508.
- JUN, DR. JONG SUP.** b. Sunsan, Korea, July 26, 36; m. 64; c. 1. PUBLIC ADMINISTRATION, POLITICAL SCIENCE. LL.B., Taegu Univ, Korea, 60; M.A., Oregon, 64; Ph.D.(pub. admin.), Southern California, 69. Res. assoc. teach. assistance prof., Southern California, 65-68, lectr. 68; ASST. PROF. PUB. ADMIN. CALIF. STATE COL. HAYWARD, 68. Soc. Pub. Admin.; Polit. Sci. Assn.; Int. Studies Assn. Evaluation of United States technical assistance abroad; public policy; organization theory and behavior; developing better research methodology in the behavioral science through computers. Publ. Co-auth. The counterpart relationship and the American professional overseas. Publ. Personnel Rev. 1/68; auth. Some considerations of the role of bureaucracy: effecting modernization of Korea, Korean Quart., spring 68. Address: Dept. of Public Administration, California State College at Hayward, Hayward, Calif. 95542.
- JUNG, DR. JOHN.** Experimental Psychology. See A-K Vol, 11th ed, Soc. & Behav. Vols. New position & address: Assoc. prof., California State College at Long Beach, Long Beach, Calif. 90801.
- JUNG, DR. RICHARD.** Psychology, Sociology. See A-K Vol, 11th ed, Soc. & Behav. Vols. New position & address: Assoc. Prof., 70-. Dept. of Sociology, University of Alberta, Edmonton 7, Alta, Can.
- JUNK, DR. PAUL E(DWIN).** Economics. See A-K Vol, 11th ed, Soc. & Behav. Vols. New information: Also Chmn, 70-. Dept. of Economics, University of Missouri, Columbia, Mo. 65201.
- JURALEWICZ, DR. RICHARD S.** b. Torrington, Conn. June 25, 35; m. 58; c. 3. INDUSTRIAL PSYCHOLOGY, ORGANIZATIONAL BEHAVIOR. B.M.E. Gen. Motors Inst. Tech. 58; M.S. Rensselaer Polytech. 62. Gen. Motors fel. 62-66, Ph.D.(mgmt), 66. Test engr. new departure div., Gen. Motors Corp., 58-59, proj. engr. 59-62; asst. sch. mgt. Rensselaer Polytech. 63-66; asst. prof. mgt. sch. bus. admin. Minnesota, Minneapolis, 66-69; ASSOC. PROF. MGT. ENG. WORCESTER POLYTECH. 69. Instr. mgt. develop. seminars, Minn. State Agr. Stabilization & Conserv. Serv. Off., U.S. Dept. Agr., spring 69. Consult. Minn. Mining & Mfg. Co., Oliver D. Billing & Assocs., Inc., Dayton's Retail Dept. Stores, Target Discount Stores, Pepsi-Cola Co., metal stamping and construction firms, 66-; NASA Manned Spacecraft Center, 67-U.S.A. 59-66. Inst. Mgt. Sci.; Bldg. Res. Inst.; Mgt. Assn.; Ord. Assn.; Acad. Polit. & Soc. Sci. Motivational basis of organization behavior and productivity in unstructured environmental situations; cross-sectional study of groups in various settings of construction, industrial distribution and engineering and development activities; validation of a perceived productivity index as a measure to evaluate operational effectiveness. Publ. Micro analysis of organizational behavior and management of an engineering and research facility at NASA-MRC, NASA Manned Spacecraft Center, 68; Management profile of Minnesota organizations engaged in non-residential construction, 69 & Managerial effectiveness among Minnesota organizations engaged in non-residential construction, 69, Univ. Minn.; plus others. Address: Dept. of Management Engineering, Worcester Polytechnic Institute, Worcester, Mass. 01609.
- K**
- KAAS, DR. JON HOWARD.** Psychology. See Suppl. VI to 11th ed, Phys. & Biol. Vols.
- KAATS, MAJ. GILBERT ROGER.** U.S.A.F. b. Laurelton, N.Y., May 24, 33; m. 57; c. 2. PSYCHOLOGY. B.A., Maryland, 60; M.A., George Washington, 65; Ph.D.(psychol.), Colorado, 69. U.S. AIR FORCE, 54-, transport navigator, McGuire Air Force Base, N.J., 55-59, air sea rescue navigator & asst. personnel officer, Anderson Air Force Base, Guam, 59-61, transport navigator & admin. officer, Andrews Air Force Base, Md., 61-65, ASSOC. PROF. PSYCHOL., AIR FORCE ACAD., 65-. Off. Aerospace Res. grant, 70-71. Psychol. Assn. Assessment, personality factors in behavior differences under stress; changes in beliefs, attitudes and personality during a college education; social problems; child psychology; cognitive development; human sexual behavior; attitude change. Publ. An approach to attitude assessment in a military setting, 69 & Developmental changes in belief systems during a service academy education, 69, Proc. Am. Psychol. Assn. The dynamics of sexual behavior of college students, J. Marriage & the Family, 70. Address: 9147 E. Oxford Dr., Denver, Colo. 80237.
- KABACK, PROF. GOLDIE RUTH.** Psychology. See A-K Vol, 11th ed, Soc. & Behav. Vols. Change of address: 170 West End Ave, Apt. 24-T, New York, N.Y. 10023.
- KACSER, DR. PAMELA HADDY.** Economics. See A-K Vol, 11th ed, Soc. & Behav. Vols. New information: Assoc. prof. policy sci., Buffalo, 69-; asst. chief div. econ. studies, Bur. Labor Statist., 69-. Address: General Accounting Office Bldg., Room 2019, Fifth & G St. N.W., Washington, D.C. 20548.
- KADANE, DR. JOSEPH BORN.** Statistics. See A-K Vol, 11th ed, Soc. & Behav. Vols. New information: Assoc. prof. statistics & soc. sci., Carnegie-Mellon Univ. on leave as analyst, Center Naval Anal., 68-. Address: 1401 Wilson Blvd, Arlington, Va. 22209.
- KADISH, PROF. MORTIMER R(AYMOND).** Philosophy. See 5th ed, Dir. of Am. Scholars, Vol. IV, Philos. Relig. & Law.
- KAEHLING, DR. RUDOLF.** Psychiatry, Anatomy. See 11th ed, Soc. & Behav. Vols. New position: Prof. psychiat., Ohio State, 69-. Address: 473 W. 12th Ave, Columbus, Ohio 43210.
- KAESS, DR. DALE W.** b. Apr. 28, 39; U.S. citizen; m. 68. EXPERIMENTAL PSYCHOLOGY. A.B., Puget Sound, 64; U.S. Pub. Health Serv. fel., Illinois, Urbana, 64, A.M., 67, Ph.D.(exp. child psychol.), 68. Instr. psychol. statist., Illinois, 68-69, ASST. PROF., summer 69; CHILD STUDIES, WASHINGTON STATE, 69-. Soc. Res. Child Develop.; Psychol. Assn. Development of perception and of cognition, and the manner in which these interact in the perceptual experience. Publ. Co-auth. Modification of the rat's avoidance of visual depth, J. Comp. & Physiol. Psychol., 64 & Response technique as a factor in children's preferences for complexity, Psychonomic Sci., 68; auth. Form constancy and the perceptual task: a developmental study, J. Exp. Psychol., 70. Address: Dept. of Child & Family Studies, Washington State University, Pullman, Wash. 99163.
- KAGIWADA, DR. GEORGE.** b. Los Angeles, Calif., July 4, 31; m. 58; c. 3. SOCIOLOGY. B.A., California, Los Angeles, 58, M.A., 62, Ph.D.(sociol.), 69. Instr. SOCIOL. San Fernando Valley State Col., 63-66, ASST. PROF., 66-68; MANITOBA, 68-. U.S.A. 54-56. Sociol. Assn. Ethnic relations; social stratification; general methodology. Publ. Co-auth. Hansen's law of third-generation return and the study of American religio-ethnic groups, Phylon, 68. Address: Dept. of Sociology, University of Manitoba, Winnipeg 19, Man, Can.
- KAHANE, DR. HOWARD.** Philosophy. See 5th ed, Dir. of Am. Scholars, Vol. IV, Philos. Relig. & Law.
- KAHL, DR. ALFRED LOUIS JR.** b. Michigan City, Ind., Oct. 4, 32; m. 55; c. 2. ECONOMICS. B.A., Maryland, 60; fel. & M.B.A., Pittsburgh, 62; fel. & Ph.D. (econ), Florida, 69. Instr. mgt., Gannon Col., 63-66, ASST. PROF. FINANCE, GEORGIA, 65-. U.S.A.F. 51-61, S/Sgt. Inst. Mgt. Sci.; Econ. Assn.; Finance Assn.; Statist. Assn.; Opers. Res. Soc. Am. Application of computer assisted decision making techniques in business and economics. Publ. Computer use in the financial industry, 5/68 & A simulation study of a computer assisted portfolio selection method, 7/70, South. J. Bus.; Computers and investment management, Ga. Bus., 6/68. Address: Dept. of Finance, University of Georgia, Athens, Ga. 30601.
- KAHL, PROF. JOSEPH A(LAN).** Sociology. See A-K Vol, 11th ed, Soc. & Behav. Vols. New position & address: Prof., 69-, Dept. of Sociology, Cornell University, McGraw Hall, Ithaca, N.Y. 14850.
- KAHN, DEAN ALFRED E(DWARD).** Economics. See A-K Vol, 11th ed, Soc. & Behav. Vols. New information: Also dean, 69-, College of Arts & Sciences, Cornell University, Ithaca, N.Y. 14850.
- KAHN, DR. LESSING (ANTHONY).** Psychology. See 11th ed, Soc. & Behav. Vols., deceased 69.
- KAHN, PROF. MARVIN W(ILLIAM).** Psychology. See A-K Vol, 11th ed, Soc. & Behav. Vols. New position & address: Prof. psychol. & dir. clin. training, 69-, Dept. of Psychology, University of Arizona, Tucson, Ariz. 85721.
- KAHN, DR. ROY M(AX).** Clinical Psychology. See A-K Vol, 11th ed, Soc. & Behav. Vols. New position: Sr. staff psychologist, counseling center, California, Berkeley, 68-. Address: 1420 Addison St., Berkeley, Calif. 94702.
- KAHOE, DEAN RICHARD DEAN.** b. Shattuck, Okla., Nov. 27, 35; m. 62; c. 2. PSYCHOLOGY. B.A., Oklahoma Baptist, 57; M.A., Ohio, 63; Ph.D.(clin. psychol.), George Peabody Col., 66. Couns. Southern Ill., 64-65; asst. prof. PSYCHOL., SOUTHWEST BAPTIST COL., 66-68, ASSOC. PROF., 68-. DEAN STUDENTS, 67-, dean of men, 66-67. U.S.N.R., 57-61, Lt. Col. Psychol. Assn.; Personnel & Guid. Assn. Human motivation, particularly the dichotomy of intrinsic and extrinsic types of motivation. Publ. Motivation-hygiene aspects of vocational indecision and college achievement, Personnel & Guid. J., 6/66; co-auth. Differential effects of fraternity and sorority membership upon academically promising students, J. Ed. Res., 10/67. Address: Dept. of Psychology, Southwest Baptist College, Bolivar, Mo. 65613.
- KAIN, PROF. JOHN FORREST.** Economics. See A-K Vol, 11th ed, Soc. & Behav. Vols. New position: Prof., 69-. Dept. of Economics, Harvard University, 235 Littauer Center, Cambridge, Mass. 02138.
- KAISER, PROF. HENRY F(ELDK).** Educational Psychology. See A-K Vol, 11th ed, Soc. & Behav. Vols. New position & address: Prof. ed., School of Education, University of California at Berkeley, Berkeley, Calif. 94720.
- KAISER, DR. MERLE D(ALLAS).** b. Barborton, Ohio, Apr. 28, 25; m. 52; c. 2. PSYCHOLOGY. B.S., Ohio State, 51; M.S. Fla. State, 60, Ph.D.(counseling psychol.), 64; Gestalt Inst. Cleveland, 67-68. Asst. prof. phil. leadership, Fla. South. Col., 57-59; psychologist, Gadsden County Schs., 61-62; personnel psychologist, Fla. Merit Syst., Tallahassee, 62-63; assoc. prof. psychol., Valdosta State Col., 63-64; asst. prof., South Alabama, 64-65; chief psychol., Summit County Receiving Hosp., 66-68; PSYCHOLOGIST-DR. YOUTH SERV., FALLSVIEW MENT. HEALTH CENTER, CUYAHOGA FALLS, OHIO, 68-. U.S.A. 51-59, Res. 59-, Lt. Col. Psychol. Assn.; Acad. Psychother.; Group Psychother. Assn. Gestalt psychotherapy in treating dis-

- turbed adolescents. Publ: Wechsler intelligence scale of children as an instrument for measuring sociopathy, Dissertation Abstracts, 64 & Gestalt therapy and intrapersonal perceptions in an adolescent group, Psychotest: Res. Theory & Practice, 70. Address: 1854 Joan of Arc Circle, Cuyahoga Falls, Ohio 44223.
- KAISER, DR. PETER K(AY), b. Berlin, Germany, Feb. 8, 33; U.S. citizen; m. 60; c. 2. PSYCHOLOGY. B.A., A.A., 60; M.A., California, Los Angeles, 63, Ph.D. (psychol), 66. Lectr. psych. i, California, Los Angeles, summer 65; Nat. Insts. Neurol. Diseases & Blindness fel. Rochester, 66-68; res. assoc. vision, center visual sci, summer 68; ASST. PROF. PSYCHOL, YORK (ONT), 68- Nat. Res. Coun. grant, 69-72. U.S.A.F. 52-56. AAAS; Psychol. Assn; Optical Soc. Vision research; physiological optics; perception. Publ: Perceived shape and its dependency on perceived slant, J. Exp. Psychol, 67; Color names of very small fields varying in duration and luminance, J. Optical Soc. Am, 68; co-auth. Vision: the additivity of light made to work for heterochromatic photometry with bipartite fields, Science, 68. Address: Dept. of Psychology, York University, Toronto, Ont, Can.
- KAKELA, DR. PETER JOHN. Geography. See 12th ed. Phys. & Biol. Vols.
- KALAMOTOUSAKIS, DR. GEORGE JOHN. Economics. See A-K Vol, 11th ed, Soc. & Behav. Vols. New position: Sr. economist, Int. Bus. Mach. Corp., Armonk, 69. Address: 124 Lakeview Ave, Lynbrook, N.Y. 11563.
- KALINA, DR. ANTHONY S. Modern History, Political Science. See 5th ed, Dir. Am. Scholars, Vol. 1, Hist.
- KALISKI, PROF. S(STEPHAN) F(ELIX). Economics. See A-K Vol, 11th ed, Soc. & Behav. Vols. New position & address: Prof. econ, 69-, Queen's University, Dunning Hall, Kingston, Ont, Can.
- KALLENBACH, PROF. WILLIAM WARREN, b. Eugene, Mo, July 16, 26; m. 47; c. 3. EDUCATIONAL PSYCHOLOGY. B.S., Drury Col, 49; M.A., Stanford, 53, Ed.D. (guid. ed. psychol), 59. Teacher, elem. schs, Calif, 49-51; jr. high schs, 52-56; asst. prof. ELEM. ED, SAN JOSE STATE COL, 57-61, assoc. prof, 61-67, PROF, 67- Proj. dir, Stanford Res. & Develop. Center, 66; U.S. Off. Ed. Proj, 66-87; Far West Lab. Ed. Res. & Develop, 66-69; proj. co-dir, United Presby. Church Proj. Leadership & Ed. for Adv. of Phoenix, Ariz, 70. Proj. consult, Elem. & Sec. Ed. Act proj, 69- U.S.N.R, 44-46. Ed. Res. Assn; Psychol. Assn. Evaluation of teacher competence microteaching and minicourses as teaching training models; teacher inservice education for systems of individualized instruction. Publ: Co-auth, Education and society, Merrill, 63 & Measuring teacher competence, Calif. Teachers Assn, 67; Videotape feedback and microteaching in a teacher training model, J. Exp. Ed, summer 69. Address: 1232 Harriet St, Palo Alto, Calif. 94301.
- KALLIO, EDWIN. Forest Economics. See Suppl. V to 11th ed, Phys. & Biol. Vols.
- KALUGER, DR. GEORGE. Psychology, Counseling. See A-K Vol, 11th ed, Soc. & Behav. Vols. New information: New publ. Co-auth, Psychology & sociology: an integrated approach to human behavior, Mosby, 69; co-auth, Reading and learning disabilities, Merrill, 69. Address: 625 Brenton Rd, Shippensburg, Pa, 17527.
- KALVEN, PROF. HARRY, JR. Law. See 5th ed, Dir. Am. Scholars, Vol. IV, Philos, Relig. & Law.
- KAMARCK, DR. ANDREW M(ARTIN). Economics, Government. See A-K Vol, 11th ed, Soc. & Behav. Vols. Change of address: 126 Third St, S.E., Washington, D.C. 20003.
- KAMENSKE, DR. GLORIA LEE (CHEEK). Industrial & Clinical Psychology. See A-K Vol, 11th ed, Soc. & Behav. Vols. Change of address: 1 Buttonwood Lane, Washington, D.C. 20016.
- KAMIN, DR. HERBERT S(PENCER), JR. Industrial & Business Psychology. See A-K Vol, 11th ed, Soc. & Behav. Vols. New position: Staff psychologist, First Nat. Bank Chicago, 68- Address: 757 Marion Ave, Highland Park, Ill. 60035.
- KAMINARIDES, DR. JOHN S(AVVAS), b. Nicosia, Cyprus, Apr. 7, 33; m. 63; c. 2. ECONOMICS. B.A., California, Los Angeles, 62; M.A., Houston, 67, Ph.D. (econ), 68. Bank employee, Bank of Cyprus, Ltd, Nicosia, 51-59, dept. head res. & info. div, 62-63; ASST. PROF. ECON, ARKANSAS STATE, 68- Econ. Assn; Econ. Association Econ. Economic development; international trade; economic theory; public finance. Address: Dept. of Economics & Business, Box 174, Arkansas State University, State University, Ark. 72467.
- KAMINSKY, DR. ELIJAH BEN-ZION. Political Science. See A-K Vol, 11th ed, Soc. & Behav. Vols. New information: Also asst. dean, 69-, College of Liberal Arts, Arizona State University, Tempe, Ariz. 85281.
- KAMISAR, PROF. YALE. Law, Social & Behavioral Sciences. See 5th ed, Dir. Am. Scholars, Vol. IV, Philos, Relig. & Law.
- KAMM, PROF. S(AMUEL) R(CHEY). Social Science. See A-K Vol, 11th ed, Soc. & Behav. Vols. New information: LL.D., Greenville Col, 68. Address: Dept. of Political Science, Wheaton College, Wheaton, Ill. 60187.
- KAMRANY, DR. NAKE M. Economic Development, Planning. See A-K Vol, 11th ed, Soc. & Behav. Vols. New position: Sr. economist, Int. Bank Reconstruct. & Develop, 69. Address: 500 23rd St. N.W., Washington, D.C. 20037.
- KANE, PROF. THOMAS GERALD, b. Reading, Pa, Oct. 7, 15; m. 46; c. 1. ECONOMICS, ACCOUNTING. B.S., Albright Col, 50; Cades Acct. Sch, 51-52; M.B.A., Temple, 60. ASSOC. PROF. ECON. & ACCT. & CHMN. DEPT. ACCT. & BUS. ALBRIGHT COL, 56- U.S.A. 42-46, T/Ygt. Stock options. Address: 1505 Hampden Blvd, Reading, Pa. 19604.
- KANET, DR. ROGER E. Political Science. See A-K Vol, 11th ed, Soc. & Behav. Vols. New position: Assoc. prof. polit. sci. & dir, undergrad. studies, 69-, University of Kansas, Lawrence, Kans. 66044.
- KANG, DR. MOON H. Economics. See A-K Vol, 11th ed, Soc. & Behav. Vols. New position & address: Assoc. prof, 68-, Dept. of Economics, Chicago State College, 6800 S. Stewart Ave, Chicago, Ill. 60621.
- KANNAPPAN, PROF. SUBBIAH. Economics. See A-K Vol, 11th ed, Soc. & Behav. Vols. New position: Prof, 68-, Dept. of Economics, Michigan State University, East Lansing, Mich. 48823.
- KANOWITZ, PROF. LEO. LAW. See 5th ed, Dir. of Am. Scholars, Vol. IV, Philos, Relig. & Law.
- KANTNER, DR. ARTHUR H(ENRY). Agricultural Economics. See A-K Vol, 11th ed, Soc. & Behav. Vols. New position: V-pres, Fed. Reserve Bank Atlanta, 68- Address: 81 Dove St, New Orleans, La. 70124.
- KANTOR, DR. MILDRED B(EATRICE). Sociology. See KAUFMAN, DR. MILDRED KANTOR, this Suppl.
- KANUNGO, DR. RABINDRA NATH. Psychology. See A-K Vol, 11th ed, Soc. & Behav. Vols. New position & address: Assoc. prof. psychol, 69-, Faculty of Management, McGill University, 120 Pine Ave. W, Montreal 110, Que, Can.
- KANZLER, DR. MAUREEN B., b. New York, N.Y. Sept. 10, 16; m. 45. CLINICAL PSYCHOLOGY. B.A., Hunter Col, 38; M.S., 60; M.A., N.Y. Univ, 40; M.S., Fordham, 62, Ph.D. (psychol), 68. SR. RES. SCIENTIST, N.Y. STATE PSYCHIAT. INST, 65. Psychol. Assn. Psychopharmacology. Publ: Co-auth, A pilot evaluation of deanol in the treatment of anxiety, Current Therapeut. Res, 5/67; Onset of action and clinical effectiveness of desmethylpropamine in the treatment of depression: a double study of depressed patients, In: The present status of psychotropic drugs, Excerpta Medica Found, Amsterdam, 69; Lobotomy in schizophrenia: a review, In: Schizophrenia current concepts and research, PJD Publ, N.Y., 69. Address: One Pleasant St, Katonah, N.Y. 10536.
- KAPLAN, PROF. DONALD E. b. Des Moines, Iowa, Aug. 13, 21; m. 42; c. 2. SPEECH PATHOLOGY, AUDIOLOGY. B.A., California, Los Angeles, 51; Calif. State Col. Los Angeles, 52; M.A., Calif. State Col. Long Beach, 54; Southern California, 63. Speech therapist, Bellflower Sch. Dist, 51-54; consult. speech serv, Orange County Sup't. Schs. Off, 54-57; speech & hearing, Westminster Sch. Dist, 57-62; asst. prof. audiol, Chapman Col, 62-63; Whittier Col, 63-64. ASSOC. PROF. SPEECH PATH. & AUDIOL, CALIF. STATE COL. FULLERTON, 64. Mem, Rehab. Codes Fed. Proj, Calif, 67; mem. faculty, Nat. Defense Ed. Act Inst. Adv. Speech Studies, 68-69. U.S.N.R, 42-45. Speech & Hearing Assn; Nat. Ed. Assn. Publ: A phonetic approach to speech-reading, South. Calif. Hearing Coun, 11/58; Presidential address, Voice, 2/66, Sharing—a waste?, Grade Teacher, 68. Address: Dept. of Speech, California State College at Fullerton, 800 N. State College Blvd, Fullerton, Calif. 92631.
- KAPLAN, DR. KALMAN J., b. Chicago, Ill, Oct. 22, 41; m. 65; c. 1. SOCIAL PSYCHOLOGY. A.B., Northwestern, 63; Ill. Inst. Tech, 59; U.S. Pub. Health Serv. trainee, Illinoi, 64-65; M.A., 66, Ph.D. (soc. psychol), 68. Teaching asst. PSYCHOL, Illinois, Urbana, 66-67. ASST. PROF. WAYNE STATE, 67- Nat. Insts. Ment. Health grant, summer 69; Nat. Sci. Found. grant, 70-72. Psychol. Assn; Soc. Psychol. Study Social Issues. Attitudes; interpersonal perception; political psychology. Publ: Co-auth, The source of beliefs, their saliency and prediction of attitude, J. Soc. Psychol, 6/69. Address: Dept. of Psychology, Wayne State University, Detroit, Mich. 48202.
- KAPLAN, PROF. MARVIN LEE. Psychology. See A-K Vol, 11th ed, Soc. & Behav. Vols. New position & address: Prof, 69-, Dept. of Psychology, University of Windsor, Windsor, Ont, Can.
- KAPLAN, PROF. NORMAN. Sociology. See A-K Vol, 11th ed, Soc. & Behav. Vols. New position & address: Prof. & chmn, 68-, Dept. of Sociology, Northeastern University, 360 Huntington Ave, Boston, Mass. 02115.
- KAPLAN, DR. RALPH SAMUEL. Psychology. See A-K Vol, 11th ed, Soc. & Behav. Vols. New position: Field assessment officer, Develop. & Resources Corp, 68- Address: 1351 N. Gamble St, Escondido, Calif. 92025.
- KAPLAN, SHELTON Z(ACHARY). International Law, Economics. See A-K Vol, 11th ed, Soc. & Behav. Vols. New position: Partner, Jacobs & Speller, attorneys, 69- Address: 7810 Moorland Lane, Bethesda, Md. 20014.
- KAPOOR, DR. NARINDER N. Zoology, Physiology. See Suppl. VI to 11th ed, Phys. & Biol. Vols.
- KAPP, WILLIAM ROBERT. International Relations, Economics. New position: Staff assoc. & economist, legal dept, Cas Pflizer & Co, Inc, 67- Address: 9 Kenmuir Ave, Morristown, N.J. 07960.
- KARABINUS, DR. ROBERT ANDREW b. Cleveland, Ohio, Oct. 23, 27; m. 50; c. 3. EDUCATIONAL PSYCHOLOGY. B.A., Ohio Wesleyan, 48; M.A., Ohio State, 53-54 & summer 56; Ph.D. (ed. psychol), Illinois, 66. Asst. prof. music, Breunau Col, 50-53; dir, Lincoln Col. (Ill), 54-57, registr, 57-59; asst. prof. ed, Northern Illinois, 59-64, recorder, 59-61, asst. registr, 61-64; asst. prof. ed, psychol, Arizona, 66-68; ASSOC. PROF. ED. & REGISTR, NORTHERN ILLINOIS, 68- Res. consult, Ariz. Center Early Childhood, Ed, 67-68. Ed. Res. Assn; Nat. Coun. Measurement in Ed. Academic professional services; institutional research; statistics, research design and measurement theory. Publ: Co-auth, The Van Alstyne picture vocabulary test used with six-year-old Mexican-American children, Ed. & Psychol. Measurement, winter 68. Address: College of Education, Northern Illinois University, DeKalb, Ill. 60115.

- KARAN, DR. BRADLEE, b. Greensburg, Pa, Aug. 26, 38; m. 61; c. 3. POLITICAL SCIENCE. B.A., Pa. State, 60; M.A., Minnesota, 65, Ph.D. (polit. sci.), 67. ASST. PROF. POLIT. SCI., Mich. State, 65-69; COL. WOOSTER, 69- Politt. Sci. Assn. American politics. Address: Dept. of Political Science, College of Wooster, Wooster, Ohio 44691.
- KARGER, DEAN DELMAR WILLIAM. Business Management, Industrial Engineering. See A-K Vol, 11th ed, Soc. & Behav. Vols. New position: Ford Found. prof. mgt, Rensselaer Polytech, 70-, no longer dean sch. mgt. New publ: Managing engineering and research, Indust. press, rev. ed, 69. Address: 5 Whitman Court, Troy, N.Y. 12180.
- KARGON, DR. ROBERT. History of Science. See 5th ed, Dir. Am. Scholars, Vol. I, Hist.
- KARIEL, DR. HERBERT GEORGE. Geography. See A-K Vol, 11th ed, Soc. & Behav. Vols. Change of address: Dept. of Geography, University of Alberta, Calgary, Alta, Can.
- KARIS, PROF. THOMAS, b. Nov. 21, 19; U.S. citizen; m. 47; c. 3. POLITICAL SCIENCE. B.A., Minnesota, 40; M.A., Columbia, 42, Ph.D. (polit. sci.), 51. Res. analyst, Brit. Commonwealth Res. Br., U.S. State Dept., 51-55, for serv. officer, 55-59; Great Lakes regional dir., For. Policy Assn, 59-61; asst. prof. POLIT. SCI., CITY COL. NEW YORK, 61-62, assoc. prof, 62-66, PROF, 67-, CHMN. DEPT., 66- Ford Found. grant S. African study, 63-64; Ford prof, Univ. Zambia, 68-69; vis. scholar, Hoover Inst, summer 62. Res. secy, Coun. For. Relis, 64-65. U.S.A., 42-46, Capt. African Studies Assn. Southern African studies. Publ: The treason trial in South Africa, Hoover Inst, 65; co-auth, South Africa's Transkei: the politics of domestic colonialism, Northwest. Univ, 67 & South Africa, In: Five African states, Cornell Univ, 63. Address: 30 Lincoln Ave, White Plains, N.Y. 10606.
- KARKAR, DR. YAQUB N, b. Jerusalem, Palestine, Jan. 21, 26; U.S. citizen. ECONOMICS. A.B., California, Berkeley, 49, M.A., 50; Ph.D. (econ), Indiana, Bloomington, 64. Instr. ECON. American Univ. Beirut, 60-66; Villa Madonna Col, 62-63; ASST. PROF. Minnesota, Minneapolis, 63-66; WISCONSIN, MARATHON CAMPUS, 66-, ASST. DEAN DEVELOP, 67- Summers, Univ. Minnesota Ford fel. to D.C. 65, Univ. Wisconsin fel. to Mid. East, 67. Korean Army, 50-52. Econ. Assn. Econ. Hist. Assn. Political theory; economic development of the Ottoman Empire and Middle East; international trade, especially United States trade with the rest of the world. Publ: Economic development in the Ottoman Empire, 1856-1914, Mid. East. Econ. Papers, 5/68. Address: Dept. of Economics, University of Wisconsin, Marathon Campus, 518 S. Seventh Ave, Wausau, Wis. 54401.
- KARLEN, PROF. DELMAR. Law. See 5th ed, Dir. of Am. Scholars, Vol. IV, Philos. Relig. & Law.
- KARLOWSKI, DR. THORNTON C, b. Sylvan Grove, Kans, Jan. 17, 16; m. 42; c. 2. PSYCHOLOGY. Ph.D. (indust. psychol), Ohio State, 48. Indust. psychologist, Standard Oil Co, N.J., 49-67; ASSOC. PROF. PSYCHOL., SOUTH. COLO. STATE COL., 67-; Gen. C. U.S.A., 42-46, Capt. Psychol. Assn. fel. Int. Coun. Psychol. Personnel management, motivation and leadership in the world of work, effecting change. Address: 2924 Country Club Dr, Pueblo, Colo. 81003.
- KARMEL, DR. BERNARD Z (ELICK). Developmental Psychology. See A-K Vol, 11th ed, Soc. & Behav. Vols. New position & address: Asst. prof, 69-, Dept. of Psychology, University of Connecticut, Storrs, Conn. 06268.
- KARMEL, PROF. LOUIS JOSEPH, b. Chicago, Ill, Sept. 3, 31; m. 57; c. 3. PSYCHOLOGY, EDUCATION. B.A., Roosevelt, 54; Loyola (Ill.), 54-56; Ph.D. (counseling, ed. psychol), North Carolina, Chapel Hill, 61. Clin. psychologist, Mercy Hosp, Chicago, Ill, 55-56; Ment. Health Center, 56-57; dir. testing & res, Glenbrook High Schs, Ill, 61-65; asst. prof. counseling & ed. psychol, Queens Col. (N.Y.), 65-67; assoc. prof, Kentucky, 67-70; PROF. ED, NORTH CAROLINA, GREENSBORO, 70- Lectr. Roosevelt, 61-65; summers, asst, North Carolina, Chapel Hill, 61; vis. assoc. prof, Proj. Cause, U.S. Dept. Labor, 64; field assessment officer, Peace Corps Training Proj, Sierra Leone, 65. Consult, Piney Creek & Easy K Ranches, Melbourne, Ark, 63-; Vet. Admin. Hosp, Lexington, Ky, 69-70. U.S.A.F., 51-53. AAAS; Psychol. Assn; Personnel & Guid. Assn; Ed. Res. Assn. The significance of physical environment on human behavior; theoretical and practical aspects of psychotherapy and counseling; psychological and educational measurement. Publ: Testing in our schools, 68 & Measurement and evaluation in the schools, 70, Macmillan. Address: School of Education, University of North Carolina at Greensboro, Greensboro, N.C. 27412.
- KAROLY, PROF. ANDREW J, b. Detroit, Mich, Sept. 14, 32. PHYSIOLOGICAL PSYCHOLOGY. B.S., Michigan, 53, Ph.D. (psychol), 58. Instr. PSYCHOL, Michigan, 57-58; PROF, HUMBOLDT STATE COL, 58- Psychol. Assn. Drugs; animal behavior; sexology. Address: Dept. of Psychology, Humboldt State College, Arcata, Calif. 95521.
- KARP, PROF. MARK. Economics. See A-K Vol, 11th ed, Soc. & Behav. Vols. New position: Prof, 69-, Boston University, 10 Lenox St, Brookline, Mass. 02146.
- KARP, DR. STEPHEN A (RNOLD). Psychology. See A-K Vol, 11th ed, Soc. & Behav. Vols. New position & address: Assoc. prof, 69-, Dept. of Psychology, George Washington University, Washington, D.C. 20006.
- KARPOFF, EDWARD. Agricultural Economics. See A-K Vol, 11th ed, Soc. & Behav. Vols. New position: Asst. to dir. livestock & dairy div, agr. stabilization & conserv. serv., U.S. Dept. Agr., 69- Address: 4906 Bangor Dr, Kensington, Md. 20795.
- KARR, DR. GERALD LEE. Economics. See A-K Vol, 11th ed, Soc. & Behav. Vols. Change of address: Dept. of Agricultural Economics, University of Illinois, Urbana, Ill. 61801.
- KARSKI, DR. JAN. Comparative Government, Communications. See A-K Vol, 11th ed, Soc. & Behav. Vols. Change of address: 4819 Hutchins Place N.W., Washington, D.C. 20007.
- KARSTETTER, PROF. ALLAN B, b. Williamson, N.Y., May 19, 27; m. 57; c. 2. SPEECH. B.E. State Univ. N.Y., 49; M.A., Northwestern, 53; Ph.D. (speech), Pa. State, 63. Teacher, Corinth High Sch, 49-50, Northville Cent. Sch, 50-53; asst. prof. speech, State Univ. N.Y., 55-57, assoc. prof, 57-64; res. assoc. State Dept. Pub. Instr. Pa., 64-66; prog. dir, East. Regional Inst. Ed, 66-68; PROF. SPEECH & CHMN. DEPT., TEXAS WOMAN'S UNIV, 68- Grants, Ford Found, 65-66; Elem. & Sec. Ed. Act, U.S. Off. Ed, 66 & 66-68. Consult, Vanguard Sch, Paoli, Pa., 65-66; Harrisburg Inst. Med. Arts, 65-66; State of Vt. Cmr., Ed, 66-67; Maryland Col. Va., 66-68. U.S.A., 45-46. Ed. Res. Assn; Speech Assn. Am; Ed. Theatre Assn. Rhetoric; research methodology; education systems engineering. Publ: Group dynamics, a factor in speech communication, Today's Speech, 9/55; Toward a theory of rhetorical irony, Speech Mongr, 5/64; co-auth, The rational model for change and title III, Theory into Practice, 9/67. Address: Dept. of Speech, Box 23775, Texas Woman's University, Denton, Tex. 76204.
- KARTMAN, DR. ARTHUR E (LWOOD), b. Chicago, Ill, Oct. 21, 42. ECONOMICS. B.A., MacMurray Col, 64; M.A., Washington (Seattle), 66, Ph.D. (econ), 69. ASST. PROF. ECON, SAN DIEGO STATE COL, 68- Econ. Assn. Urban-regional economics, specifically, housing markets, the quality of housing, land use and public finance. Address: Dept. of Economics, San Diego State College, San Diego, Calif. 92115.
- KASHDAN, LAURENCE, b. New York, N.Y., Dec. 29, 23; m. 67; c. 2. OPERATIONS RESEARCH, ENGINEERING PSYCHOLOGY. B.S., Chicago, 49; M.A., George Washington, 53. Sr. scientist, HQ. Air Force, 51-56; design specialist, Gen. Dynamics Corp, 56-62; ops. res. analyst, N.A.M. Rockwell Corp, 62-68; MEM. PRFNL. STAFF, TRW SYST. GROUP, REDONDO BEACH, 68- Consult, El Camino Counseling Serv, 67- U.S.A., 43-46. Psychol. Assn. Macro-system economics; organization theory; technological optimization. Address: P.O. Box 90537, Los Angeles, Calif. 90009.
- KASOFF, DR. MARK JAY, b. New York, N.Y., June 17, 42; m. 64; c. 2. ECONOMICS. B.A., City Col. New York, 64; M.A., Indiana, 67, Ph.D. (econ), 69. ASST. PROF. ECON, ANTIOCH COL, 68- Consult, Urban Transportation Inst, Syracuse, 69- Econ. Assn. Urban economics; urban transportation, particularly modal split, quality of transit service and differences by city size. Publ: Quality of service and transit use, Traffic Qunr, 1/70. Address: Dept. of Economics, Antioch College, Yellow Springs, Ohio 45387.
- KASPERSON, DR. ROGER E. Geography. See A-K Vol, 11th ed, Soc. & Behav. Vols. New position & address: Assoc. prof. govt. & geog., 69-, Clark University, Worcester, Mass. 01610.
- KASS, DR. HENRY D, b. Rochester, N.Y., Oct. 30, 34; m. 60; c. 2. POLITICAL SCIENCE. A.B., Alfred, 56; M.A., American Univ, 58, Ph.D. (govt), 69. Instr. govt. American Univ, 60-61; pub. info. specialist, Redevelop. Land Agency, D.C. 61-62; asst. prof. POLIT. SCI., EAST. WASH. STATE COL, 62-69. ASSOC. PROF, 69- CHMN. DEPT. & DIR. CENTER FOR COMMUNITY DEVELOP, 70- Participant, Community Serv. Internship Prog, 66-68; Community Action Planning Prog, 68-69; Nat. Faculty fel. & dir. community governance proj, Wash. Center for Metrop. Studies, 69-70. Eval. consult, Spokane Community Action Coun, Wash, 66-68. Polit. Sci. Assn; Soc. Pub. Admin. Urban government; intergovernmental relations; community studies; bureaucracy. Address: 414 N. Fifth St, Cheney, Wash. 99004.
- KASSCHAU, DR. RICHARD A, b. Paterson, N.J., Feb. 5, 41; m. 64; c. 1. EXPERIMENTAL PSYCHOLOGY. A.B., Rochester, 62; M.A., Iowa, 64; fel. Tennessee, 65-67, Ph.D. (exp. psychol), 67. ASST. PROF. PSYCHOL., SOUTH CAROLINA, 67- Grants, Univ. S.C. Cmt. Res. & Prod. Scholar, 67-68 & 69-70, U.S. Off. Ed, 69-70. Psychol. Assn; Psychonomic Soc. Transfer of training; short term memory; semantic satiation; measurement meaningfulness. Publ: Co-auth, Response transfer mediated by meaningfully similar and associated stimuli using a separate lists design, 74; 146-148 & Associative structure and the temporal characteristics of free recall, 76; 190-197, J. Exp. Psychol. auth, Semantic satiation as a function of duration of repetition and initial meaning intensity, J. Verbal Learning & Verbal Behav, 69. Address: Dept. of Psychology, University of South Carolina, Columbia, S.C. 29208.
- KASSM, DR. RAFIK M, b. Damascus, Syria, June 30, 30; m. 60; c. 2. MANAGEMENT, ACCOUNTING. B.S., Cairo, 53; M.B.A., Pennsylvania, 62, Ph.D. (bus), 68. Instr. acct. & econ, Damascus, 58-60; Lafayette Col, 65-67. ASST. PROF. ACCT. & COST, RENSSELAER POLYTECH, 67- Am. Accnt. Assn. Macro-Micro analysis for business organizations; labor discipline and theory of business organization. Address: School of Management, Rensselaer Polytechnic Institute, Troy, N.Y. 12181.
- KASSOF, DR. ALLEN HOWARD. Sociology. See A-K Vol, 11th ed, Soc. & Behav. Vols. New information: Exec. dir. int. res. & exchanges bd, Am. Coun. Learned Soc. Sci. Res. Coun, 68- Address: Princeton University, 2-N-2 Green Hall, Princeton, N.J. 08540.
- KAST, PROF. FREMONT E, b. Modesto, Calif., Jan. 27, 26; m. 48; c. 2. MANAGEMENT, ORGANIZATION THEORY. B.A., San Jose State Col, 46; M.B.A., Stanford, 49; D.B.A. (bus), Washington (Seattle), 56. Instr. bus. admin, Syracuse, 49-51; from Instr. to PROF. MGT. & ORGN. THEORY, WASHINGTON (SEATTLE), 51- Vis. assoc. prof, Columbia, 57-58; Fulbright prof, Netherlands Sch. Econ, 63-64. U.S.A., 44-46, Lt. (Jg). Acad. Polit. & Soc. Sci; Sociol. Assn. Acad. Mgt. Systems management; studies of the relationship between technology and organization structure and psycho-social systems. Publ: Co-auth, Science, technology, and management, 83, The theory and management of systems, 87 & Organization and management, 70, McGraw. Address: Dept. of Management, University of Washington, Seattle, Wash. 98105.

- KASUN, DR. JACQUELINE RORABECK. Economics. See A-K Vol, 11th ed, Soc. & Behav. Vols. New position & address: Assoc. prof., Dept. of Economics, Humboldt State College, Arcata, Calif. 95521.
- KASWAN, PROF. JACQUES W(ALDEMAR). Psychology. See A-K Vol, 11th ed, Soc. & Behav. Vols. New position: Prof., 69-, Dept. of Psychology, Ohio State University, Columbus, Ohio 43210.
- KATCHER, DR. AARON HANNA, b. Philadelphia, Pa., Jan. 1, 32; m. 59; c. 3. PSYCHIATRY. A.B. Williams Col, 52; M.D. Pennsylvania, 56. Res. psychiatrist, Inst. Pa. Hosp. 60-61; hosp. CH. DENT. MED. PENNSYLVANIA, 61-63, asst. instr., 57-63, instr. psychol. & med., 63-65, assoc. 65-68, asst. prof. PSYCHIAT, 68-69, ASSOC. PROF. 69-. U.S. Pub. Health Serv. fcls, Pennsylvania, 57-60, career develop. award, 63-68. Mem. coun. on circulation, Am. Heart Assn; mem. prfl. adv. bd, Found. Thanatology. Psychiat. Asn; Fedn. Clin. Res; Pub. Health Asn; Coun. Med. TV; Behav. Sci. in Dent. Res. Behavioral science; cardiovascular experimentation. Publ: Co-auth, Electrocardiogram, myocardial oxygen, and contraction in scar, and collaterally supplied muscle after experimental coronary ligation. Circulation Res. II, 62; The restructuring of behavior in a Messianic cult. In: Personality and social life, Random House, 65 & Heart rate and blood pressure responses to signalled and unsignalled shocks: effects of cardiac sympathectomy, J. Comp. & Physiol. Psychol, 68; 163-174. Address: 4001 Spruce St, Philadelphia, Pa. 19104.
- KATCHER, DR. A(LLAN). Psychology. See A-K Vol, 11th ed, Soc. & Behav. Vols. New position: Pres, 69-, Atkins-Katcher Associates, Inc, 8201 Beverly Blvd, Los Angeles, Calif. 90048.
- KATES, DR. ROBERT W. b. Brooklyn, N.Y. Jan. 31, 29; m. 48; c. 3. GEOGRAPHY. Indiana, 57; A.M. Chicago, 60. Resources for the Future fel, 61-62, Ph.D.(geog), 62. Asst. prof. GEOG. grad. sch. geog, Clark, 62-65, assoc. prof. 65-67; lectr. Univ. Col, Dar es Salaam, Tanzania, 67-68; PROF, GRAD. SCH. GEOG. CLARK, 68-. Prin. investr. study of flood damage, Harvard Water Resources Prog, 63-65; dir. Bur. Resource Assessment & Land Use Planning, Univ. Col, Dar es Salaam, 67-69; guest lectr, Nat. Sci. Found. Summer Inst. Introductory Geog, 66. Mem. cmt. on Alaska earthquake, Nat. Res. Coun-Nat. Acad. Sci, 64; Task Group Human Dimensions of Atmosphere, Nat. Center Atmospheric Res, 66-67. Asn. Am. Geog; Geog. Soc; Regional Sci. Asn. Environmental perception, especially natural hazards; resources management, particularly water resources and development problems. Publ: Hazard and choice perception in flood management, 62, Industrial flood losses: damage estimation in the Lehigh Valley, 65 & co-auth. Readings in conservation and resource management, 69, Univ. Chicago. Address: Graduate School of Geography, Clark University, Worcester, Mass. 01610.
- KATKOFF, PROF. V(LADIMIR). Economics. See A-K Vol, 11th ed, Soc. & Behav. Vols. Change of address: 3479 S. Leisure World, Silver Spring, Md. 20906.
- KATKOVSKY, PROF. WALTER. Psychology. See A-K Vol, 11th ed, Soc. & Behav. Vols. New position & address: Prof. 68-, Dept. of Psychology, Northern Illinois University, De Kalb, Ill. 60115.
- KATZ, DR. ALFRED. Political Science, History. See A-K Vol, 11th ed, Soc. & Behav. Vols. Change of address: 627 W. Crestwood Dr, Peoria, Ill. 61614.
- KATZ, PROF. B(ENJAMIN) (JOSEPH). Economics. See A-K Vol, 11th ed, Soc. & Behav. Vols. New information: Also chmn, 68-, Dept. of Economics, New York University, University College, New York, N.Y. 10453.
- KATZ, DR. ELIAS. Clinical Psychology. See A-K Vol, 11th ed, Soc. & Behav. Vols. New information: Asst. dir. Center Training Commun. Psychiat. & Ment. Health Admin, Berkeley, 68-. Address: 3 Los Altos Dr, San Rafael, Calif. 94901.
- KATZ, DR. JOSEPH, b. Zwickau, Germany, Mar. 14, 20; nat. m. 55; c. 3. PHILOSOPHY. M.A. Pennsylvania, 42; fel. Columbia, 43-44, Ph.D. 44. Lectr. Columbia, 45-46, 52; instr. Cornell, 46-47; asst. prof. Amherst Col, 47-48; Vassar Col, 48-54, assoc. prof. 54-59, prof. 59-61; EXEC. DIR. INST. STUDY HUMAN PROBLEMS, STANFORD, 61-. Woodbridge Prize, Columbia, 49; U.S. Pub. Health Serv. res. fel. & res. assoc. psychiatrist, California, Berkeley, 58-60. Consult, Group Advan. Psychiat, 61-. Ortho-psychiat. Asn; fel. Philos. Asn; Soc. Psychol. Stud. Social Issues. Personality psychology; ethics; ancient philosophy. Publ: Co-auth, The American college, Wiley, 52 & Philosophy in the West, Harcourt, 65; auth. No time for youth, Jossey-Bass, 68. Address: Institute for the Study of Human Problems, Stanford University, Stanford, Calif. 94305.
- KATZ, DR. LEO. Psychology. See A-K Vol, 11th ed, Soc. & Behav. Vols. Change of address: 236 Hamilton Rd, Rockville Centre, N.Y. 11570.
- KATZ, DR. LEONARD, b. Boston, Mass, Mar. 6, 38; m. 62; c. 2. EXPERIMENTAL PSYCHOLOGY. B.S. Massachusetts, 59, Ph.D.(psychol), 63. Fel. PSYCHOL, inst. math. studies in soc. sci, Stanford, 63-65; asst. prof. CONNECTICUT, 65-68, ASSOC. PROF. 68-. Nat. Inst. Ment. Health grants, 67-69; Nat. Inst. Child Health & Human Develop. grant, 69-71. U.S.A.R. 57-63. Psychol. Asn. Short-term memory; verbal learning; reading; mathematical psychology. Publ: Amount of reward and relative frequency of amount of reward in paired-associate learning, Can. J. Psychol, 66. The limited capacity hypothesis: effects of sequence length and instructions in free-recall, J. Verbal Learning & Verbal Behav, 68 & Motivation and retrieval in short-term free recall, J. Exp. Psychol, 69. Address: Dept. of Psychology, University of Connecticut, Storrs, Conn. 06268.
- KATZ, DR. MARTIN M. Psychology. See A-K Vol, 11th ed, Soc. & Behav. Vols. New position: Chief, clin. res. hr, Nat. Inst. Ment. Health, 68-. Address: 3941 Rockview Rd, Silver Spring, Md. 20902.
- KATZ, DR. MARVIN C. Philosophy, Social Sciences. See 5th ed, Dir. Am. Scholars, Vol. IV, Philos. Relig. & Law.
- KATZ, PROF. MILTON. Law. See 5th ed, Dir. Am. Scholars, Vol. IV, Philos. Relig. & Law.
- KATZ, DR. PHYLLIS A(LBERTS). Developmental Psychology. See A-K Vol, 11th ed, Soc. & Behav. Vols. New position & address: Assoc. prof. ed, psychol, 69-, Division of Teacher Education, City University of New York, 33 W. 42nd St, New York, N.Y. 10036.
- KATZ, PROF. SANFORD NOAH. Law, Behavioral Sciences. See 5th ed, Dir. Am. Scholars, Vol. IV, Philos. Relig. & Law.
- KATZ, PROF. SAUL M(ILTON). Social Sciences. See A-K Vol, 11th ed, Soc. & Behav. Vols. New position: Prof. econ. & dir, 69-, Program in Economics & Social Development, University of Pittsburgh, Pittsburgh, Pa. 15213.
- KATZEV, DR. RICHARD, b. Los Angeles, Calif, Feb. 2, 37; m. 58; c. 2. EXPERIMENTAL PSYCHOLOGY. B.A. Stanford, 68; Ph.D.(psychol), California, Berkeley, 65. Fel. PSYCHOL, sch. med, California, 65-66; lectr. California, Santa Barbara, 66-67; ASST. PROF, REED COL, 67-. AAAS; Psychol. Asn. Conditioning theory; avoidance learning; aggression; social influence processes. Address: Dept. of Psychology, Reed College, Portland, Ore. 97202.
- KAU, DR. YING-MAO, b. Taiwan, China, Aug. 31, 34; U.S. citizen; m. 59; c. 3. POLITICAL SCIENCE. B.A. Taiwan, 56; M.A. Cornell, 60, univ. fel, 64-65, London-Cornell Proj. fel, 65-66, Ph.D.(polit. sci), 68. Instr. POLIT. SCI. BROWN, 66-68, ASST. PROF. 68-. Soc. Sci. Res. Coun. res. grants, 67, 69-70; res. fel. center adv. study, Univ. Illinois, 69-70. Polit. Sci. Asn; Asn. Asian Studies. Political development; comparative government; Chinese politics. Publ: Bureaucratic and political development in Communist China, Stanford, DEPT. 56, PRIN. PROJ. INVESTR. 59, DIR. STA. ST. STUDY, 61-. Lectr. Washington (St. Louis), 57-63, asst. prof., 64-69, asst. prog. dir. & res. assoc. soc. sci. inst. 58-, consult. metrop. pop. proj. res. assoc. inst. urban & regional studies, 62-63; lectr. sch. nursing, St. Louis, 61-, prof. lectr. dept. neurol. & psychiat, Univ. 66-, asst. prof. dept. community med, 69-. Consult. dent. study, Alabama, 55; Med. Care Res. Center, Jewish Hosp. St. Louis & Washington (St. Louis), 67; work group on socialization in the classroom, Soc. Sci. Res. Coun. Mem. study group health statist. & comprehensive health planning & eval, Nat. Center Health Statist, 67; census rep. St. Louis Metrop. Area; mem. prog. planning cmt, Nat. Conf. Soc. Welfare. Ernest W. Burgess award, 58. Sociol. Asn; Statist. Asn; Pop. Asn. Am; Pub. Health Asn. Population movement; parental attitudes and behavior in relation to adjustment of children; social factors in relations to public health; evaluation of health programs; residential and social mobility in relation to mental health. Publ: Mobility & mental health, C.C. Thomas, 65; co-auth. Socio-economic level and maternal attitudes toward parent child relationships to emotional adjustment, sex, and social class, J. Soc. Issues & Maternal attitudes and general adjustment in school children, In: Research on parental attitudes and child behavior. Address: St. Louis County Health Dept, 801 S. Brentwood, Clayton, Mo. 63105.
- KAUFMAN, DR. ROBERT, b. Kansas City, Mo, Aug. 20, 39; m. 62; c. 2. POLITICAL SCIENCE. B.A. Harvard, 61, Ph.D.(polit. sci), 67. Lectr. POLIT. SCI, Boston, 66-67; res. assoc. center for int. affairs, Harvard, 67-68; ASST. PROF. DOUGLASS COL, RUTGERS, 68-. Polit. Sci. Asn. Latin American political development. Publ: The Chilean political right and agrarian reform, Inst. Comp. Study Polit. Sysys, 67; co-auth, Reform and revolution in Latin America, Alya & Bacon, 69 & Comparative politics, Free Press, 71. Address: Dept. of Political Science, Douglass College of Rutgers, The State University, New Brunswick, N.J. 08903.
- KAUFMAN, DR. TERENCE SCOTT. Linguistics. See 5th ed, Dir. Am. Scholars, Vol. III, For. Lang. Ling. & Philol.
- KAUFMANN, DR. HUGO M., b. Basel, Switz, Mar. 19, 32; m. 55; c. 1. ECONOMICS. Basel, 51-53; Ph.D.(econ), Columbia, 68. Lectr. ECON, Brooklyn Col, 62-64; ASST. PROF. Franklin & Marshall Col, 64-67; QUEENS COL. (N.Y.), 67-. Econ. Asn. Monetary and international economics. Publ: Germany's revaluation debate 1961, Weltwirtschaftliches Archiv, 70 & co-auth. An examination of the techniques of German monetary policy, (in press). Address: Dept. of Economics, Queens College, Flushing, N.Y. 11367.
- KAUFMANN, DR. THOMAS D. Economics, Finance. See A-K Vol, 11th ed, Soc. & Behav. Vols. New position: Dir. corp. planning, Hunter Douglas Ltd, 69-. Address: 16 Egerton Terr, London, S.W. 3, Eng.
- KAY, DR. BARBARA ANN, b. Suffern, N.Y., Mar. 2, 29. SOCIOLOGY. B.Sc. Ohio State, 55, M.A., 56, Nat. Inst. Health fel, 60-61, Ph.D.(sociol), 61. Teaching asst, Ohio State, 57-58, asst. instr, 59-60; instr, Wittenberg, 58-

- 59; asst. prof. Northern Illinois, 61-63; Massachusetts, 63-65; assoc. prof. Fla. State, 65-66; task force dir., Joint Cmn. Correctional Manpower & Training, Inc., D.C., 66-67; ASSOC. PROF. PSYCHIAT. & SOCIOLOGICAL FLORIDA, 68- Res. asst. delinquency prof., Ohio State Develop. Fund, 55-58, 64; Nat. Insts. Health res. grant, 62; faculty res. grant, Massachusetts, 65. Consult. President's Cmn. Law Enforcement & Admin. Justice, 66; W. Coast Independent Sch., Calif., 67- AAAS; Soc. Study Social Probs; Sociol. Assn. Delinquency and self concept; fem. offenders' self perceptions; sex role differentiations. Publ: Co-auth. Probation and parole, 63 & Penology: a realistic approach, 64 & 69, C.C. Thomas; auth. The female offender, President's Cmn. Law Enforcement & Admin. Justice, 67. Address: 2233 N.W. 19th Lane, Gainesville, Fla. 32601.
- KAY, DR. LILLIAN (WALD) (MRS. FLOYD ZULL). Psychology. See A-K Vol. 11th ed, Soc. & Behav. Vols. New position: Policy exec., Nat. Assn. Mfrs., 69- Address: 37 Washington Square, New York, N.Y. 10011.
- KAYE, DR. HERBERT. Psychology. See A-K Vol. 11th ed, Soc. & Behav. Vols. New information: Assoc. prof. psychol. & gynec. & obstet. Emory, 68-; consult. ed. J. Exp. Child Psychol. 68- & Develop. Psychol. 68- Address: Dept. of Psychology, Emory University, Atlanta, Ga. 30322.
- KAYE, PROF. NORMAN (JOSEPH). Statistics, Economics. See A-K Vol. 11th ed, Soc. & Behav. Vols. New information: Also chmn. dept. indust. mgt., 69- College of Business Administration, Marquette University, Milwaukee, Wis. 53233.
- KEANE, FRANCIS LEO, b. Lynn, Mass., Nov. 20, 05; m. 37; c. 1. GUIDANCE & COUNSELING. B.S. Ed., Boston, 47, M. Ed., 49. Personnel admin. asst., Gen. Elec. Co., Mass., 25-34; voc. counser, Mass. State Employ. Serv., Boston, 34-45; voc. psychologist, Vet. Admin. Hosp., Boston, 46-50; dir. pupil personnel serv., LYNN PUB. SCHS., MASS., 51-61, SUPVR. SCH. ADJUST. COUNSELING, 61- Lectr., Boston Univ., 36-45. U.S.N., 41-45, Lt. Comdr. Guid. & Personnel Assn.; Nat. Voc. Guid. Assn.; Assn. Clin. Counsr. (exec. secy., 59-). Research, development and standardization of employment test instruments for industrial application; vocational and educational counseling of post-high school students; research and application in the work of a school psychologist. Address: 6 Lexington St., Lynn, Mass. 01902.
- KEASEY, DR. CHARLES BLAKE, b. Evanston, Ill., June 1, 40; m. 66; c. 1. DEVELOPMENTAL & SOCIAL PSYCHOLOGY. B.S., Iowa State, 64, M.A., 66; Ph.D. (psychol.), Columbia, Berkeley, 69. ASST. PROF. PSYCHOL., DOUGLASS COL., RUTGERS, 69- U.S.A., 59-65. Social influence, especially from peer group; cognitive view of social and personality development, especially moral development, sex-role acquisition and locus of control. Publ: Co-auth. The effect of labeling as an informational social influence upon color perception, J. Soc. Psychol., 69 & Honesty and altruism among preadolescents, Develop. Psychol., 70; auth. Sex differences in yielding to temptation: a function of the situation, J. Genetic Psychol., 70. Address: Dept. of Psychology, Douglass College of Rutgers, The State University, New Brunswick, N.J. 08903.
- KEEGAN, DR. WARREN J., b. Junction City, Kans., Oct. 19, 36; m. 61; c. 3. MANAGEMENT, MARKETING. B.A., Kansas State, 58, M.A., 59; M.B.A., Harvard, 61, Ph.D. (bus. admin.), 67. ASST. PROF. INT. BUS. & MKT., COLUMBIA, 67- Consult. Mkt. Sci. Inst., 69- Adj. Gen. C., U.S.A., 59-69, 1st Lt. Mkt. Assn.; Asst. Ed. Int. Bus. Publ.: Acquisition of global business information, 34/68 & Multinational pricing: how far is arm's length, 56/69. Columbia J. World Bus.; Multinational product planning: strategic alternatives, J. Mkt., 1/69. Address: 410 Uris Hall, Graduate School of Business, Columbia University, New York, N.Y. 10027.
- KEELER, DR. EMMETT BROWN. Mathematical Economics, Systems Analysis. See Suppl. V to 11th ed, Phys. & Biol. Vols.
- KEEN, PROF. FORREST M (EARL). Sociology. See 11th ed, Soc. & Behav. Vols., deceased 68.
- KEENAN, DR. JAMES (JOSEPH). Behavioral Science, Psychology. See A-K Vol. 11th ed, Soc. & Behav. Vols. New position & address: President, 70-, Keenan & Assoc., Cavalry Rd., Wilton, Conn. 06897.
- KEENER, PROF. ORRIN (LOUIS). Geography. See A-K Vol. 11th ed, Soc. & Behav. Vols. New position: Pastor, Everts United Church of Christ, 69- Address: 105 Crescent Dr., Berea, Ky. 40403.
- KEENEY, DR. TERENCE J (JOSEPH), b. Vallejo, Calif., Feb. 23, 43; m. 64; c. 1. PSYCHOLOGY. B.A., California, Berkeley, 64; Nat. Sci. Found. & Nat. Inst. Child Health & Human Develop. fel., Minnesota, Minneapolis, 65-69, Ph.D. (psychol.), 66; Assoc. res. psychologist, U.S. Testing Serv., 68-69; ASST. PROF. PSYCHOL., CALIFORNIA, RIVERSIDE, 69- Soc. Res. Child Develop. Human learning, psycholinguistics and cognitive processes from a developmental viewpoint; the child's initial acquisition of language; the adults' rapid comprehension and production of speech. Publ: Co-auth. Spontaneous and induced verbal rehearsal in a recall task, 12/67 & Identification of absolute and relational properties in the three-stimulus (ABX) configuration, 12/69, Child Develop.; auth. Permutation transformations on phrase structures in letter sequences, J. Exp. Psychol., 10/69. Address: Dept. of Psychology, University of California, Riverside, Calif. 92502.
- KEENEY, PROF. BOB M., b. El Dorado Springs, Mo., Oct. 2, 24; m. 44; c. 2. FINANCE. Economics, University of Missouri-Kansas City, 60-62, M.B.A., 63; Ph.D. (econ.), Kansas, 67. Staff mem., Touche, Ross & Co., 53-57; v. pres. & treas., Inglis Co., 57-60; Instr. sch. bus., Kansas, 62-64; asst. prof. finance, Missouri-Kansas City, 64-67, assoc. prof., 67-70; PROF. BUS. ADMIN. & ECON. & CHMN. DIV. BUS. ADMIN. COL. OF THE VIRGIN ISLANDS, 70- Econ. Assn.; Finance Assn.; Inst. Cert. Pub. Acct. History of cost doctrine; current cost concepts; security analysis. Address: Dept. of Business Administration, College of the Virgin Islands, P.O. Box 1826, St. Thomas, Virgin Islands 00801.
- KEESING, DR. DONALD BEAUMONT, b. London, Eng., Nov. 11, 33; U.S. citizen; m. 63; c. 2. ECONOMICS. A.B., Harvard, 54, Thomas S. Upland scholar, 54-56, M.A., 56, Harvard Econ. Res. Proj. fel., 59-61, Ph.D. (econ.), 61. Economist, systs. anal. off., U.S. Air Force Cambridge Res. Center, 57-59; Inst. Defense Anal., 61-64; asst. prof. ECON., Columbia, 64-68; ASSOC. PROF. STANFORD, 68- Soc. Sci. Res. Coun.-Am. Coun. Learned Soc. fel., 66-68. U.S.A.R., 58-64, S/Sgt. Am. Econ. Assn.; Polit. Sci. Assn.; Royal Econ. Soc., Patterns of basic causes of inflation and development; skill requirements; economies of scale; country-size effects in manufacturing; human resource aspects of development; development planning and appropriate policies. Publ: Labor skills and comparative advantage, Am. Econ. Rev., 5/68; The impact of research and development on United States trade, J. Polit. Econ., 2/67; Structural change early in development: Mexico's changing industrial and occupational structure from 1895 to 1935, J. Econ. Hist., 12/69. Address: 711 Salvatierra St., Stanford, Calif. 94305.
- KEHL, DEAN JAMES A (RTHUR). History. See 5th ed, Dir. Am. Scholars, Vol. 1, Hist.
- KEHOE, DR. ALICE BECK, b. New York, N.Y., Sept. 18, 34; m. 56; c. 3. ANTHROPOLOGY. B.A., Columbia, 56; Ph.D. (anthrop.), Harvard, 64. Asst. prof. ANTHROP., Nebraska, Lincoln, 65-68; ASSOC. PROF., MARQUETTE, 68- Am. Anthropol. Assn.; Soc. Am. Archaeol. North American and European prehistory and anthropology in education. Publ: Hunters of the buried years, Sch. Aids Textbook Co., Can., 62; chap. In: The Modern Sioux, Univ. Nebraska, 70; chap. In: Man across the sea, Univ. Texas, 70. Address: Dept. of Sociology & Anthropology, Marquette University, Milwaukee, Wis. 53233.
- KEHOE, THOMAS (FRANCIS). Anthropology. See A-K Vol. 11th ed, Soc. & Behav. Vols. New position & address: Assoc. curator anthrop., 68-, Milwaukee Public Museum, Milwaukee, Wis. 53233.
- KEIRSTEAD, PROF. BURTON (SEELY). Economics. See A-K Vol. 11th ed, Soc. & Behav. Vols. New information: Emer. prof. econ., 70-, Dept. of Political Economy, University of Toronto, Toronto, Ont., Can.
- KEITH, DR. JAMES (AUGUSTUS), b. Montgomery, Ala., June 30, 35. EDUCATIONAL PSYCHOLOGY, GUIDANCE. B.S., Troy State, 57; M.A., Alabama, 61, Ph.D. (ed. psychol.), 64. Teacher, pub. schs., Ala., 57-60; asst. prof. GUID. & COUNSELING, Rutgers, 64-65; ASSOC. PROF., SOUTH CAROLINA, 65- Dir., Higher Ed. Act Proj. Why Not Explore Rewarding Careers, 68-70. Consult. elem. guid. State Dept. Ed., S.C., 65-68. U.S.A.F. & Air Nat. Guard, 57-63, S/Sgt. Psychol. Assn.; Personnel & Guid. Assn. Vocational career development; developmental vocational guidance films; elementary school guidance; counselor characteristics; psychological characteristics of athletes; psychological characteristics of physically active versus non-active mature males. Publ: Exec. dir., producer & Why Not Explore Rewarding Careers dir., 12 Vocational guidance movies for college bound youth, S.C. Ed. TV Network, 70; co-auth. Revising guidance practices; an integrative process. In: Perspectives in the education of disadvantaged children, World Pub., 67; auth. Insightful understanding, Am. Psychologist, 4/68. Address: 4205 Sequoia Rd., Columbia, S.C. 29206.
- KEITH, DR. JOHN (PIRE). Public Administration. See A-K Vol. 11th ed, Soc. & Behav. Vols. New position: Pres., 69-, Regional Plan Association, 230 W. 41st St., New York, N.Y. 10036.
- KEITH-SPIEGEL, DR. PATRICIA C. Psychology. See A-K Vol. 11th ed, Soc. & Behav. Vols. New position: Assoc. prof., 69-, Dept. of Psychology, San Fernando Valley State College, Northridge, Calif. 91326.
- KELKER, DR. DOUGLAS. Mathematics, Statistics. See Suppl. VI to 11th ed, Phys. & Biol. Vols.
- KELL, PROF. LEONE B. Family Economics. See A-K Vol. 11th ed, Soc. & Behav. Vols. Change of address: 1212 Kearney, Manhattan, Kans. 66502.
- KELLEHER, PROF. GRACE JAYNE (MRS. JOHN E. WALSH), b. Sarasota, Fla., Aug. 8, 27; m. 69; c. 2. STATISTICS, ECONOMICS. B.S., Maryland, 52; M.A., American Univ., 55; Southern Methodist, 69-70. Statistical aircraft ops. & planning, Dept. Navy, Wash., D.C., 46-50; dep. chief aerospace support dir., Hq. U.S. Air Force, 51-63; mem. sr. res. staff, Inst. Defense Anal., 64-69; LECTR. ECON. SOUTHERN METHODIST, 69- Lectr. logistics sch., U.S. Air Force Inst. Tech., 62-63, U.S. Air Force Meritorious Civilian Serv. Award, 57, U.S.A.F., 43-45, 51-52, Capt. Ops. Res. Cmn. Assn.; Inst. Mgt. Sci.; Statist. Assn. Regional and United States economics from mathematical and statistical viewpoint; military logistics and operations planning and analysis. Publ: Ed. & co-auth. The challenge to systems analysis: public policy and social change, Wiley, 70. Address: Dept. of Economics, Southern Methodist University, Dallas, Tex. 75222.
- KELLER, PROF. FRED (SIMMONS). Psychology. See A-K Vol. 11th ed, Soc. & Behav. Vols. Change of address: Dept. of Psychology, Western Michigan University, Kalamazoo, Mich. 49001.
- KELLER, DEAN ROBERT JOHN. Educational Psychology. See A-K Vol. 11th ed, Soc. & Behav. Vols. Change of address: 1989 W. Shryer Ave., St. Paul, Minn. 55113.
- KELLER, PROF. THOMAS (FRANKLIN). Economics. See A-K Vol. 11th ed, Soc. & Behav. Vols. Change of address: Graduate School of Business Administration, Duke University, Durham, N.C. 27706.
- KELLEY, DR. ALBERT (JOSEPH). Aeronautics, Electronics. See 11th ed, Phys. & Biol. Vols. & Suppl. V.
- KELLEY, DR. ALLEN C., b. Everett, Wash., Sept. 5, 37; m. 59; c. 3. ECONOMICS. A.B., Stanford, 59, Ph.D. (econ.), 64. Acting asst. prof. ECON., Stanford, 63-64; asst. prof., WISCONSIN, MADISON, 64-67, ASSOC. PROF.,

- 68- Spec. lectr. Monash Univ. Australia, 70-71. Econ. Asn.; Econ. Hist. Asn. Economic growth and development; economic demography; economic education. Publ: An experiment with TIPS: a computer-aided instructional system for undergraduate education. Am. Econ. Rev. 5/68; Demand patterns, demographic change and economics growth, Quart. J. Econ. 2/69; co-auth. Markov processes and economic analysis, *Econometrica*, 4/69; plus others. Address: 6011 S. Hill Dr, Madison, Wis. 53705.
- KELLEY, PROF. PEARCE C(LEMENT). Business Economics. See 11th ed, Soc. & Behav. Vols, deceased.
- KELLY, PROF. JAMES G(ORDON). Psychology. See A-K Vol. 11th ed, Soc. & Behav. Vols. New position: Prof. psychol, Michigan, 69-. Address: 2215 Copley, Ann Arbor, Mich. 48104.
- KELLY, PROF. JOSEPH, b. Saltcoats, Scotland, May 9, 28; m. 58; c. 4. ORGANIZATIONAL BEHAVIOR. B.Sc. Glasgow, 49; M.Ed. 52; Ph.D.(admin), Strathclyde, 66. Teacher sci, Newton Acad. 53-55; training officer, Wellcome Chem. Works, 55-56; personnel officer, Glacier Metal Co. 56-57; lectr. orgn. behav, Strathclyde, 57-67; assoc. prof. McGill, 67-68; PROF. MGT, SIR GEORGE WILLIAMS, 68-, CHMN. DEPT, 69-. Consult. Fed. Govt, 68-69. Brit. Army, 51-53. Lt. Executive behavior; sensitivity training. Publ: Is scientific management possible? a critical evaluation of Glacier's theory of organization, *Faber*, London, 68; Organizational behavior, *Behav. Sci. Series*, Irwin, 69. Address: Dept. of Management, Sir George Williams University, Montreal, Que, Can.
- KELLY, DR. MICHAEL G, b. Montreal, Que, Oct. 27, 40. ECONOMICS. B.Com. Loyola Col.(Que), 61; M.A., McGill, 64; Can. Coun. fel. Chicago, 65-67, Brookings Inst. fel. 67-68; Ph.D.(econ), 68. Lectr. ECON, Loyola Col.(Que), 63-64; ASST. PROF, BRITISH COLUMBIA, 68-. Am. Econ. Asn.; Can. Econ. Asn. International trade and finance; public finance; economic theory. Publ: The demand for international reserves. Am. Econ. Rev. 70. Address: Dept. of Economics, University of British Columbia, Vancouver 8, B.C., Can.
- KELLY, DR. PATRICK. Philosophy. See 5th ed, Dir. Am. Scholars, Vol. IV, Philos, Relig. & Law.
- KELLY, PATRICK BERNARD, b. Chilloche, Ill, Jan. 3, 91; m. 30; c. 2. LAW. CRIMINOLOGY. B.A., Christy Bros. Col., Ill, 1915; LL.B., Wesleyan, 12; spec. courses, Harvard, 14; Boston Sch. Criminol., 64. Criminal trial lawyer, 12-36; CONSULT. CRIMINOL, 36-. Spec. guest lectr, Catholic Univ. & Univ. Maryland, 36. Ed. Crime Clin. Wash. D.C. 36-38; dir. Inst. Criminal Sci. 36-39; pres. Acad. Univ. Res. Studies, U.S.A. 17-19, Capt; Silver Star Medal; commendation by Gen. Pershing for gallantry. AAAS; Bar Asn.; Trial Lawyers Asn.; Soc. Criminol. Legal systems of the world; medico-legal criminology. Publ: Kelly's federal prohibition, Burdette Smith, 30; co-auth. The guilty, Leffingwell, 44; auth. A blueprint for crime reduction, Acad. Univ. Res. Studies, 70. Address: 197B North Durkee Hill Lane, Heritage Village, Southbury, Conn. 06488.
- KELLY, DR. PAUL EDWARD. Sociology. Education. See A-K Vol. 11th ed, Soc. & Behav. Vols. New information: Also assoc. head dept. social & anthrop, Georgia, 69-. Address: 265 Cedar Creek Dr, Athens, Ga. 30601.
- KELLY, DR. WILLIAM B(OLAND), JR. International Economics. See A-K Vol. 11th ed, Soc. & Behav. Vols. New position: Sr. econ. adv. 69-. Office of the Special Representative for Trade Negotiations, Executive Office of the President, Washington, D.C. 20506.
- KELLY, DR. WILLIAM H(USTON), b. Houston, Tex. Dec. 10, 39; m. 62; c. 2. ECONOMICS. B.A., Rice, 62; M.A., Maryland, 66; Ph.D.(econ), 69. Bus. economist, U.S. Bur. Census, 62-63; economist, Fed. Trade Cmn. 63-66; SR. ECONOMIST, 66-69; FED. RESERVE BANK DALLAS, 69-. Asst, Maryland, 66-67. Econ. Asn. Industrial organization; public finance; monetary theory and policy; statistics. Publ: Influence of market structure on profit performance of food manufacturing firms, *Fed. Trade Cmn.* 70. Address: 9908 Larchbrook, Dallas, Tex. 75238.
- KELMAN, DR. HERBERT C(HANOCH). Social Psychology. See A-K Vol. 11th ed, Soc. & Behav. Vols. Change of address: Dept. of Social Relations, Harvard University, William James Hall 380, Cambridge, Mass. 02138.
- KELMAN, DR. HOWARD R, b. New York, N.Y. Apr. 1, 25; m. 45; c. 3. MEDICAL SOCIOLOGY. B.A., Brooklyn Col. 48; M.S. Columbia, 50; Ph.D.(sociol), N.Y. Univ. 59. Assoc. prof. prev. med. & phys. med. & rehab, N.Y. Med. Col. 58-66; admin. med. sch. pub. health & admin. med. Columbia, 66-68; PROF. COMMUN. & PREV. MED, N.Y. MED. COL. & SOCIOL, GRAD SCH. NURSING, 69-. DR. HEALTH SERV. RES. UNIT, 68-. Dir. patient care res. unit, Bird S. Coler Hosp. 58-66; assoc. dir. patient care eval. unit, Harlem Hosp. 66-68. Consult. New York City Community Ment. Health Bd, 62-64; spec. ed. practices, Center Urban Ed. 65-66; center chronic disease, Bird S. Coler Hosp. 66-67. U.S.A. 43-46. Fel. Pub. Health Asn.; fel. Social Asn.; fel. Am. Ment. Deficiency. Health services research; medical sociology. Publ: Evaluation of rehabilitation for the long-term ill disabled patient, *J. Chronically Disabled*, 17: 631; The effect of a brain damaged child on the family, In: Brain damage in children—the biological and social aspects, Williams & Wilkins, 64; co-auth. Strategy and tactics of evaluating a large-scale medical care program, *Med. Care* 3-4/69. Address: Dept. of Community & Preventive Medicine, New York Medical College, Fifth Ave. at 106th St, New York, N.Y. 10029.
- KELNER, DR. MERRIJOY, b. Toronto, Ont, Dec. 3, 27. SOCIOLOGY. M.A., Toronto, 65, Can. Coun. fel. 66-67, Ph.D.(sociol), 69. Lectr. social, TORONTO, 66-68. ASST. PROF. SOCIOL, UNIV. & ASST. PROF. BEHAV. SCI, FACULTY MED, 68-. Ont. Dept. Health grant with Dr. Robin Badgley, 68-70. Am. Sociol. Asn.; Can. Sociol. & Anthropol. Asn. Study of social stratification, especially of elite groups; social and health patterns of young people in North American society. Publ: Co-auth. Hepatitis in Yorkville 1968, Ont. Dept. Health, 69; auth. Routes to the top, McClelland & Stewart, 70; Changes in Toronto's elite structure, In: The underside of Toronto, McClelland & Stewart, 70. Address: 121 St. Joseph St, Room 329, Toronto, Ont, Can.
- KEMP, PROF. GEORGE A(LLEN), b. Houston, Tex. Aug. 13, 29; m. 54; c. 2. EDUCATIONAL PSYCHOLOGY. B.A., Corpus Christi, 51; B.D. Southwest Baptist Theol. Sem. 55; M.A., North Texas State, 57, Ed.D.(counseling psychol), 60. Instr. psychol, North Texas State, 58-60; asst. prof. Kans. State chool, 60-61; NORTHWEST STATE COL.(LA), 61-64; assoc. prof. 64-66, ED. PSYCHOL, 66-67, PROF, 67-. Summers, fel. Southwestern Louisiana, 63, participant, Nat. Sci. Found. Comput. Col. Prof. 63 & Gessell Inst. Child Develop. Yale, 66. Psychol. consult. Natchitoches Parish Sch. Syst. La, 69-70; ed. prog. U.S. Army, Ft. Polk, La, 70. Psychol. Asn. Validity of theoretical constructs relating to child development and personality, especially the influence of learning and genetic factors influencing a child's readiness for school learning. Publ: Robert E. Lee's Oedipus complex as it influenced his generalship, 65 & The relationship between readiness factors and academic achievement in Negro sixth graders, 68, Proc. La. Acad. Sci. Address: 608 Watson Dr, Natchitoches, La. 71457.
- KEMPLEN, DR. BERNHARD. Psychology. See A-K Vol. 11th ed, Soc. & Behav. Vols. New position & address: Assoc. prof. 69-, Dept. of Psychology, Georgia State University, 33 Gilmer St, S.W. Atlanta, Ga. 30303.
- KENADJIAN, DR. BERDJ. Economics, Statistics. See A-K Vol. 11th ed, Soc. & Behav. Vols. New position: Dep. dir. center priority anal. Nat. Planning Assoc. 69-. Address: 910 Crescent Dr, Alexandria, Va. 22302.
- KENDALL, DR. WILLIAM E(UGENE). Psychology. See A-K Vol. 11th ed, Soc. & Behav. Vols. New position: Pres. & chmn. bd, Kendall, Bowers & Schwartz, Inc, White Plains, 69-. Address: Kirby Lane North, Rye, N.Y. 10580.
- KENEN, PROF. PETER B(AIN). Economics. See A-K Vol. 11th ed, Soc. & Behav. Vols. New information: Also provost, 69-, Columbia University, 213 Low Library, 116th & Broadway, New York, N.Y. 10027.
- KENNAMER, DEAN LORRIN. Geography. See A-K Vol. 11th ed, Soc. & Behav. Vols. New information: Field reader, bur. res, U.S. Off. Ed, 68-70. Address: Dept. of Geography, Texas Tech University, Lubbock, Tex. 79409.
- KENNEDY, PROF. EUGENE CULLEN. Psychology. See A-K Vol. 11th ed, Soc. & Behav. Vols. New position: Prof. psychol, Loyola (Ill), 69-. Address: Maryknoll College, Glen Ellyn, Ill. 60137.
- KENNEDY, PROF. JOHN J(OSEPH). Political Science, International Relations. See A-K Vol. 11th ed, Soc. & Behav. Vols. New information: Vis. prof. Valle, Columbia, 69-70. Address: Dept. of Government & International Studies, College of Arts & Letters, University of Notre Dame, Notre Dame, Ind. 46556.
- KENNEDY, DR. JOHN L(YON). Psychology. See A-K Vol. 11th ed, Soc. & Behav. Vols. New position: Vis. prof. mgt. grad. sch. bus. admin, Southern California, 69-70. Address: 519 California Ave, Apt. 108, Santa Monica, Calif. 90403.
- KENNEDY, LT. COMDR. ROBERT S(AMUEL), U.S.N., b. Bronxville, N.Y., Jan. 10, 36; m. 63; c. 4. PSYCHOLOGY. B.A., Iona Col. 57; M.A., Fordham, 59. U.S. NAVY, 59-, res. psychologist, U.S. Naval Sch. Aviation Med, 59-65, head aerospace eng. br. U.S. Naval Aerospace Med. Inst. 67-70, RES. PSYCHOLOGIST, NAVAL MED. RES. INST, 70-. AAAS; assoc. fel. Aerospace Med. Asn.; assoc. Psychol. Asn.; Human Factors Soc. Individual differences; vestibular functions; information processing; motion sickness; vision; aviation engineering; aerospace and sensory psychology. Publ: Co-auth. Validity of tests of canal sickness in predicting susceptibility to airsickness and seasickness, *Aerospace Med.* 8/62. The effect of water immersion on perception of the oculogravic illusion in normal and labyrinthine-defective subjects, 10/67 & Symptomatology under storm conditions in the North Atlantic in control subjects and in persons with bilateral labyrinthine defects, 3/68, *Acta oto-laryngologica*. Address: Behavioral Sciences Dept, Naval Medical Research Institute, National Naval Medical Center, Bethesda, Md. 20014.
- KENNEDY, DEAN S(ABE) M(cCLAIN). Government. See A-K Vol. 11th ed, Soc. & Behav. Vols. New position: V-pres. acad. affairs, 66-, Texas Tech University, Lubbock, Tex. 79409.
- KENNEDY, PROF. T(OLBERT) H(ALL). Sociology. See 11th ed, Soc. & Behav. Vols, deceased 69.
- KENNEY, DR. JAMES B(ENSON). Educational Administration, Computer Science. See A-K Vol. 11th ed, Soc. & Behav. Vols. New information: Also assoc. dean, 69-, Graduate School, University of Georgia, Graduate Studies Bldg, Athens, Ga. 30601.
- KENNEY, PROF. JOHN P(AUL). Criminology, Public Administration. See A-K Vol. 11th ed, Soc. & Behav. Vols. New publ: Police work with juveniles and the administration of juvenile justice, C.C. Thomas, 4th ed, 70. Address: Dept. of Criminology, California State College, 6101 Seventh St, Long Beach, Calif. 90801.
- KENNY, DR. CHARLES THOMAS, b. Brooklyn, N.Y. Sept. 4, 41; m. 68; c. 1. PSYCHOLOGY. B.A., Notre Dame, 63; M.A., Clark, 66, Ph.D.(psychol), 69. ASST. PROF. PSYCHOL, MEMPHIS STATE, 68-. Psychol. Asn. Perceptual and cognitive development; clinical psychology; attitude formation and change; impression formation; balance and consistency theories; intelligence testing; attitude scale construction. Address: Dept. of Psychology, Memphis State University, Memphis, Tenn. 38111.
- KENNY, PROF. DOUGLAS T(MOTHY). Psychology. See A-K Vol. 11th ed, Soc. & Behav. Vols. New information: Also acting dean arts, 69-, University of British Columbia, Vancouver 8, B.C., Can.

- KENT, DR. ALFRED THOMAS, JR. b. Brockton, Mass. Sept. 6, 30; m. 55; c. 2. COUNSELING PSYCHOLOGY. B.S. Drexel Inst. Tech. 60; M.A. Villanova, 61; Harvard, 62; D.Ed. (counselor). Boston, 66. Asst. engr. A.V. Smith Eng. Co. 55-62; couns. high sch. Pa. 60-63; asst. prof. psychology, Boston, 63-69; prof. Mass. Coll. Pharm. 69; CONSULT. AUERBACH CORP. 69-Participant, Doctoral Seminar, Brandeis, 65-67. U.S.M.C. 50-52; U.S.N. 52-54. Psychol. Asn. Adult-youth interaction in poor communities. Publ. Implications for change, Sci. Res. Assn. 10/68. Address: 62 Colgate Rd, Newton, Mass. 02162.
- KEOHANE, DR. ROBERT EMMETT. History, Political Science. See 5th ed, Dir. Am. Scholars, Vol. I, Hist.
- KEPHART, PROF. NEWELL CARLYLE. Educational Psychology. See A-K Vol. 11th ed, Soc. & Behav. Vols. New position & address: Dir. 69-, Glen Haven Achievement Center, Box 2153, Ft. Collins, Colo. 80521.
- KERLEY, PROF. ELLIS R. Anthropology, Biology. See Suppl. VI to 11th ed, Phys. & Biol. Vols.
- KERNS, DR. ROBERT D(ENILLE). Psychology. See A-K Vol. 11th ed, Soc. & Behav. Vols. Change of address: West Virginia Dept. of Mental Health, State Capitol, Charleston, W.Va. 25305.
- KERR, PROF. CHARLES WILLIAM, b. Mayfield, Ky. May 8, 31; m. 55; c. 2. POLITICAL SCIENCE. A.B. Southeast Mo. State Col. 57; Chicago, 57; M.A. Missouri, 58, Ph.D. (pol. sci.), 70. Asst. study dir. surv. res. Inst. Soc. Res. 49; instr. Westminster Col. (Mo.), 59-60, asst. prof. 60-63, asst. prof. 63-66, prof. & chmn. dept. 66-68; ASSOC. PROF. & CHMN. DEPT. CENT. CONN. STATE COL. 68- Summers, asst. prof. Missouri, 63-65. U.S.A.F. 50-54, S/Sept. Polit. Sci. Asn. State and local government and political values and beliefs; local ideology and power structure. Address: Dept. of Political Science, Central Connecticut State College, New Britain, Conn. 06050.
- KERR, DR. HENRY H. b. Chicago, Ill. Dec. 1, 36; m. 63; c. 1. POLITICAL SCIENCE. A.B. Michigan, 59, univ. fel. 65-66, M.A. 66, Soc. Sci. Res. Coun. fel. 67-68, Ph.D. (pol. sci.), 70. Asst. study dir. surv. res. Inst. Soc. Res. 44-66; Rackham fel. 68-69; ASST. PROF. POLIT. SCI., VIRGINIA, 69- Asst. prof. Geneva, Switz, 70-71. Intel. C. U.S.A., 60-63, Capt. Polit. Sci. Asn. Comparative politics of western Europe and regional integration. Address: Dept. of Political Science, Faculty of Economic & Social Science, University of Geneva, 1211 Geneva 4, Switz.
- KERSCHNER, DEAN LEE (RONALD). Political Science. See A-K Vol. 11th ed, Soc. & Behav. Vols. New information: Also dean faculty affairs, 69-, California State Colleges, 5670 Wilshire Blvd, Los Angeles, Calif. 90036.
- KERSEY, DR. JOSEPH FRANCIS, b. Lakeland, Fla. Jan. 18, 39; m. 66; c. 1. PSYCHOLOGY. B.A. Florida, 64, M.A. 67, Ph.D. (psychol.), 69, ASST. PROF. PSYCHOL., TULANE, 69- Mil. Intel. 63, Res. 63, 1st Lt. Sleep research; social performance and non-verbal communication. Address: Dept. of Psychology, Tulane University, New Orleans, La. 70118.
- KESO, PROF. EDWARD E(LMER). Social Science. See 11th ed, Soc. & Behav. Vols., deceased 69.
- KESSEL, PROF. JOHN HOWARD. Political Science. See A-K Vol. 11th ed, Soc. & Behav. Vols. New position & address: Prof. 70-, Dept. of Political Science, Ohio State University, Columbus, Ohio 43210.
- KETCHERIDE, DR. WILLIAM JOSEPH, b. Desloge, Mo. Sept. 15, 31; m. 51; c. 3. EDUCATIONAL PSYCHOLOGY. B.S.Ed. Southeast Mo. State Col. 57; Nat. Defense Ed. Act fel. Missouri-Columbia, 60-63, M.Ed. 62, Ph.D. (ed. psychol.), 63. Instr. ed. psychol. Missouri-Columbia, 62-63; asst. prof. Arizona, 63-66; assoc. prof. Missouri-Rolla, 66-67; HEAD DEPT. PSYCHOL., CENT. MO. STATE COL. 67- Asst. field assessment officer, Peace Corps Training Progs. Univ. Arizona, 64-65, psychol. evaluator, Bur. Sch. Serv. 66. Consult. Kellogg Duo-Specialist Prof. Univ. Arizona, 64-66; Off. Econ. Opportunity Proj. Headstart, Ariz. 65; faculty developer progs. psychol. Kansas City Regional Coun. Higher Ed. 67-68; mem. task force rev. team, Nat. Driver Ed. Surv. Cent. Mo. State Col. 68-69, consult. Job Corps teacher training prog. summer 69. U.S.N. 51-55, Res. 55-59. Psychol. Asn; Personnel & Guid. Asn; Ed. Res. Asn; Nat. Coun. Measurement in Ed. Psychological measurement; development and evaluation of intelligence; counseling. Publ: Co-auth. Providing educational specialists for small school districts, Ariz. 54; 10-11 & A.F. Comparison of the pictorial test of intelligence and the Stanford-Binet (L-M) for first grade pupils, Counseling Interviewer, 1: 58-66. Address: Dept. of Psychology, Central Missouri State College, Warrensburg, Mo. 64093.
- KETCHUM, DR. EUGENE L. b. Macomb, Ill. Apr. 12, 40. INDUSTRIAL & ORGANIZATIONAL PSYCHOLOGY. A.B. Southern California, 62; univ. fel. Cornell, 62-63, Nat. Sci. Found. fel. 64-66, Ph.D. (psychol.), 66. Asst. prof. psychol. Ohio State, 66-70; V.PRES. COL. RES. & CONSULT. SERV. 69-; DIR. OPS ASSOC. 69- Lectr. Nat. Defense Ed. Act Inst. Counseling & Guidance, 67, Asm. Psychol. Asn; Interam. Soc. Psychol; Inst. Asn. Appl. Psychol. Selection; attraction to organizations; management development; organizational climate; task dimensions; prediction models; choice behavior. Address: 3440 Olentangy River Rd, Columbus, Ohio 43202.
- KETTERING, PROF. WALTER RICHARD, b. Hershey, Pa. May 21, 33; m. 54; c. 3. SPECIAL EDUCATION. B.S. Pa. Sta. 59, M.Ed. 61; U.S. Child Ed. fel. Pittsburg, 62-64, Ed.D. 65. Teacher, high sch. Pa. 59-61; coordinator spec. ed. pub. schs. Pa. 61-62; instr. Florida, 63; asst. prof. child develop. & spec. ed. Pittsburgh, 64-66; assoc. prof. SPEC. ED. MILLERSVILLE STATE COL. 66-67, PROF. & CHMN. DEPT. 67-, DIR. SPEC. ED. 66- Proj. dir. U.S. Off. Ed. study grant driven ed. for mentally retarded, 69-71. Consult. Harrisburg State Hosp. 69. U.S.A.F. 53-57. Coun. Except. Children. Driver education for the mentally retarded, child development—self concept, mental retardation, emotional disturbance and social maladjustment.
- Publ: The use of two projective drawing techniques as indices of masculinity and femininity with children of varying levels of intelligence, Univ. Pittsburgh, 65; Implications for driver training for secondary educable retarded, Ann. Pa. Fedn. Coun. Except. Children, 66; Guidelines for aiding and understanding the educable mentally retarded child in Pennsylvania, Dept. Pub. Instr. & Dept. Spec. Ed. Millersville State Col. 1/69. Address: Dept. of Education and Psychology, Millersville State College, Millersville, Pa. 17551.
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- KETTLER, PROF. DAVID, b. Leipzig, Germany, July 1, 30; U.S. citizen; m. 61; c. 2. POLITICAL SCIENCE. B.S. Columbia, 51, M.A. 53, George William Curtis fel. 52-54, Rockefeller Found. grant, 54-55, Ph.D. (pol. sci.), 60. Instr. POLIT. SCI., Ohio State, 55-60, asst. prof. 60-65, assoc. prof. 65-68, PROF. 68-70; PURDUE, 70- Fulbright Sr. Res. scholar, Frankfurt & Soc. Sci. Res. Coun. Res. fel. 61-62; Fulbright prof. Leiden, 66-67; chmn. Caucus New Ann. Pa. Fedn. Coun. Except. Children, 66; Guidelines for aiding and understanding the educable mentally retarded child in Pennsylvania, Dept. Pub. Instr. & Dept. Spec. Ed. Millersville State Col. 1/69. Address: Dept. of Education and Psychology, Millersville State College, Millersville, Pa. 17551.
- KETTLER, PROF. DAVID, b. Leipzig, Germany, July 1, 30; U.S. citizen; m. 61; c. 2. POLITICAL SCIENCE. B.S. Columbia, 51, M.A. 53, George William Curtis fel. 52-54, Rockefeller Found. grant, 54-55, Ph.D. (pol. sci.), 60. Instr. POLIT. SCI., Ohio State, 55-60, asst. prof. 60-65, assoc. prof. 65-68, PROF. 68-70; PURDUE, 70- Fulbright Sr. Res. scholar, Frankfurt & Soc. Sci. Res. Coun. Res. fel. 61-62; Fulbright prof. Leiden, 66-67; chmn. Caucus New Ann. Pa. Fedn. Coun. Except. Children, 66; Guidelines for aiding and understanding the educable mentally retarded child in Pennsylvania, Dept. Pub. Instr. & Dept. Spec. Ed. Millersville State Col. 1/69. Address: Dept. of Education and Psychology, Millersville State College, Millersville, Pa. 17551.
- KETTLER, PROF. DAVID, b. Leipzig, Germany, July 1, 30; U.S. citizen; m. 61; c. 2. POLITICAL SCIENCE. B.S. Columbia, 51, M.A. 53, George William Curtis fel. 52-54, Rockefeller Found. grant, 54-55, Ph.D. (pol. sci.), 60. Instr. POLIT. SCI., Ohio State, 55-60, asst. prof. 60-65, assoc. prof. 65-68, PROF. 68-70; PURDUE, 70- Fulbright Sr. Res. scholar, Frankfurt & Soc. Sci. Res. Coun. Res. fel. 61-62; Fulbright prof. Leiden, 66-67; chmn. Caucus New Ann. Pa. Fedn. Coun. Except. Children, 66; Guidelines for aiding and understanding the educable mentally retarded child in Pennsylvania, Dept. Pub. Instr. & Dept. Spec. Ed. Millersville State Col. 1/69. Address: Dept. of Education and Psychology, Millersville State College, Millersville, Pa. 17551.
- KETTLER, PROF. DAVID, b. Leipzig, Germany, July 1, 30; U.S. citizen; m. 61; c. 2. POLITICAL SCIENCE. B.S. Columbia, 51, M.A. 53, George William Curtis fel. 52-54, Rockefeller Found. grant, 54-55, Ph.D. (pol. sci.), 60. Instr. POLIT. SCI., Ohio State, 55-60, asst. prof. 60-65, assoc. prof. 65-68, PROF. 68-70; PURDUE, 70- Fulbright Sr. Res. scholar, Frankfurt & Soc. Sci. Res. Coun. Res. fel. 61-62; Fulbright prof. Leiden, 66-67; chmn. Caucus New Ann. Pa. Fedn. Coun. Except. Children, 66; Guidelines for aiding and understanding the educable mentally retarded child in Pennsylvania, Dept. Pub. Instr. & Dept. Spec. Ed. Millersville State Col. 1/69. Address: Dept. of Education and Psychology, Millersville State College, Millersville, Pa. 17551.
- KETTLER, PROF. DAVID, b. Leipzig, Germany, July 1, 30; U.S. citizen; m. 61; c. 2. POLITICAL SCIENCE. B.S. Columbia, 51, M.A. 53, George William Curtis fel. 52-54, Rockefeller Found. grant, 54-55, Ph.D. (pol. sci.), 60. Instr. POLIT. SCI., Ohio State, 55-60, asst. prof. 60-65, assoc. prof. 65-68, PROF. 68-70; PURDUE, 70- Fulbright Sr. Res. scholar, Frankfurt & Soc. Sci. Res. Coun. Res. fel. 61-62; Fulbright prof. Leiden, 66-67; chmn. Caucus New Ann. Pa. Fedn. Coun. Except. Children, 66; Guidelines for aiding and understanding the educable mentally retarded child in Pennsylvania, Dept. Pub. Instr. & Dept. Spec. Ed. Millersville State Col. 1/69. Address: Dept. of Education and Psychology, Millersville State College, Millersville, Pa. 17551.
- KETTLER, PROF. DAVID, b. Leipzig, Germany, July 1, 30; U.S. citizen; m. 61; c. 2. POLITICAL SCIENCE. B.S. Columbia, 51, M.A. 53, George William Curtis fel. 52-54, Rockefeller Found. grant, 54-55, Ph.D. (pol. sci.), 60. Instr. POLIT. SCI., Ohio State, 55-60, asst. prof. 60-65, assoc. prof. 65-68, PROF. 68-70; PURDUE, 70- Ful

- KIDD, DR. ALINE H(ALSTEAD). Psychology. See A-K Vol, 11th ed, Soc. & Behav. Vols. New position: Clin. psychologist, Fremont Psychiat. Clin, 68-Address: 4 Santa Lucia, Orinda, Calif. 94563.
- KIDD, DR. CHARLES V(INCENT). Public Administration, Economics. See A-K Vol, 11th ed, Soc. & Behav. Vols. Change of address: 1 Dupont Circle, Suite 730, Washington, D.C. 20036.
- KIDDER, DR. ALICE ELTHA, b. Los Angeles, Calif, Feb. 23, 41; m. 63; c. 2. ECONOMICS. B.A., Swarthmore Col, 63; Woodrow Wilson fel, Mass. Inst. Tech, 63-64, Ph.D.(econ), 67. Asst. prof. econ. Spielman Col, 67-68; bus. admin, Atlanta, 68-69; ASSOC. PROF. ECON, A&T STATE UNIV, N.C., 69-Nat. teaching fel, 67-68. Consult. center manpower studies, Atlanta, 69-Econ. Asn; Indust. Rels. Res. Asn. Economics of discrimination; labor market analysis; manpower economics; economics of education; econometrics and statistics. Publ: Racial differences in wages and job search, Monthly Labor Rev, 7/68; The black M.B.A. Personnel J, 10/69; co-auth, Reflections on black economies, Growth & Change, spring 70. Address: Dept. of Economics, A&T State University of North Carolina, Greensboro, N.C. 27411.
- KIDDER, DR. DAVID ELWYN, b. Evergreen Park, Ill, June 17, 40; m. 63; c. 2. ECONOMICS. A.B., Swarthmore Col, 62; Chicago, 62-63; Ph.D.(econ), Mass. Inst. Tech, 67. ASST. PROF. ECON, Morehouse Col, 67-69; NORTH-EASTERN, 69. Econ. Asn; Indust. Rels. Res. Asn; Int. Indust. Rels. Asn. Labor markets; economics of human resources; poverty; racial discrimination; economic exploration. Address: Dept. of Economics, Northeastern University, Boston, Mass. 02115.
- KIDDER, DR. FREDERICK ELWYN. Political Science. See A-K Vol, 11th ed, Soc. & Behav. Vols. New position: Assoc. prof. & dir., 69-. Graduate School of Librarianship, University of Puerto Rico, Box 21906 University Station, San Juan, P.R. 00931.
- KIEFER, DR. CHRISTIE WEBER, b. Bremerton, Wash, July 11, 37; m. 60; c. 3. ANTHROPOLOGY. A.B., California, Berkeley, 60, Nat. Inst. Ment. Health fel, 64-67, Ph.D.(anthrop), 68. Teaching asst, anthrop, California, Berkeley, 63-64; res. asst. anthrop. & psychol, LANGLEY PORTER NEURO-PSYCHIAT. INST, SAN FRANCISCO, 67-68, RES. SPECIALIST ANTHROP, 68- Lectr. dept. psychiat, California, San Francisco, 69-; consult, Nat. Coun. Aging, D.C., 69-; consult, Soc. Japanese Science, Tokyo, 69-; Ethnology of Japan and the Far East; the Japanese in America; psychological and urban anthropology; anthropology of aging; interethnic relations in the United States, ethics in social science. Publ: The psychological interdependence of family, school and bureaucracy in Japan, Am. Anthropologist, 2/70 & Motivation for economic and social change in Japan, Rice Univ. Papers, 12/70; Intimacy in the Japanese city, In: Perspectives in urban anthropology, Free Press, 71. Address: 30 San Mateo Rd, Berkeley, Calif. 94707.
- KIEFFER, DR. JAROLD A. Political Science. See A-K Vol, 11th ed, Soc. & Behav. Vols. New information: Dir, Macalester Found. Higher Ed, 69-; ad. prof. polit. sci, Macalester Col, 69-. Address: Macalester Foundation for Higher Education, Grand Ave. & Macalester St, St. Paul, Minn. 55101.
- KIEFFER, DR. J(OHN) E(LMER). Political Geography. See A-K Vol, 11th ed, Soc. & Behav. Vols. Change of address: 8407 Harker Dr, Potomac, Md. 20854.
- KIETZMAN, DALE W(ALTER). Anthropology. See A-K Vol, 11th ed, Soc. & Behav. Vols. New position: Area dir. S.A.m. & coordinator cult. studies & commun. develop, 69-. Summer Institute of Linguistics, Box 1960, Santa Ana, Calif. 92702.
- KIGHT, PROF. STANFORD STEELE. Psychology. See A-K Vol, 11th ed, Soc. & Behav. Vols. Change of address: 223 N. Monroe St, Media, Pa. 19063.
- KIHLBERG, DR. JAAKKO K(USTAA). Biostatistics, Epidemiology. See 11th ed, Soc. & Behav. Vols., deceased 69.
- KILBRIDE, LT. COL. WADE ROBERT, U.S.A.F. b. Chicago, Ill, Aug. 13, 28; m. 61; c. 2. ECONOMICS. B.S., Regis Col, 50; M.A., Texas, 58. U.S. AIR FORCE, 52-, asst. prof. ECON, U.S. AIR FORCE ACAD, 61-63, ASSOC. PROF, 66. Econ. Asn. Address: Dept. of Economics, U.S. Air Force Academy, Colorado Springs, Colo. 80840.
- KILBURN, DR. KENT LEE, b. Logan, Utah, Dec. 21, 35; m. 62; c. 4. PSYCHOLOGY, CRIMINOLOGY. A.B., California, Berkeley, 58; M.S., Fresno State Col, 61; Ed.D., Utah State, 64. Group counselor, Kern County Juvenile Hall, summers, 58-59, 62; asst. psychol, Porterville State Hosp, 60-61; teacher elem. sch, Calif, 61-62; teaching asst. psychol, Utah State, 62-64; staff psychologist, PORTERVILLE STATE HOSP, 64-66, CHIEF PSYCHOLOGIST, 66-. Intern psychol, Utah State, 63-64; instr. part-time, Bakersfield Col, 65-66, 69-; co-dir., U.S. Health, Ed. & Welfare Hosp. Improv. Proj. grant, 68-69; asst. prof., Fresno State Col, 66-69; clin. psychologist, Sequoia Ment. Health Group, Exeter Ment. Health Clin, Porterville, 69-. Consult. psychologist, Springville County Hosp, 68-70. Air Nat. Guard, 58-62; U.S.A.F.R. 62-64. AAAS; Soc. Criminol.; Psychol. Asn; Int. Acad. Forensic Psychol. Clinical psychology; behavior modification and therapy; predicting behavior using psychometric instruments; mental health and corrections in institution and community; delinquency prevention; deviant behavior. Publ: Predicting success in a vocational rehabilitation program using the Raven Colored Progressive Matrices, Ed. & Psychol. Measurement, 66; Cross validation of Shotwell's revision of the Kuhlmann-Binet Scale used with seventy retarded patients, Psychol. Reports, 66; co-auth, Operant conditioning treatment programs obstacles problems and issues, Calif. Dept. Ment. Hygiene Res, 69. Address: 915 E. Mountain View, Porterville, Calif. 93257.
- KILLIAN, DEAN C(ARL) D(AN). Psychology. See A-K Vol, 11th ed, Soc. & Behav. Vols. New information: Exec. dir., State Franklin Health Coun, Inc, 68-. Address: School of Education & Psychology, Western Carolina University, Cullowhee, N.C. 28723.
- KILLIAN, PROF. LEWIS M(ARTIN). Social Psychology. See A-K Vol, 11th ed, Soc. & Behav. Vols. New position: Prof., 69-, Dept. of Sociology, University of Massachusetts, Amherst, Mass. 01002.
- KILLINGSWORTH, PROF. CHARLES C(LINTON). Economics. See A-K Vol, 11th ed, Soc. & Behav. Vols. Change of address: 4584 Sequoia Trail, Okemos, Mich. 48864.
- KILLION, DR. MEAD WILBUR. Educational Psychology. See A-K Vol, 11th ed, Soc. & Behav. Vols. New position: Mgr. mgt. develop, Can. Imperial Bank of Commerce, 66-. Address: 4 S. Kingslea Dr, Toronto 18, Ont, Can.
- KIM, DR. B(ENEDICT) SANG JOON. Political Science. See A-K Vol, 11th ed, Soc. & Behav. Vols. Change of address: Sogang University, I.P.O. Box 1142, Seoul, Korea.
- KIM, DR. BYONG SUH, b. Sinchon, Korea, Nov. 4, 35; m. 65; c. 1. SOCIOLOGY. B.A., Fla. Presby. Col, 64; M.Th., Princeton Theol. Sem, 65; Ph.D. (sociol. relig), Emory, 68. ASST. PROF. SOCIOLOG, COE COL, 68. Korean Army, 61. Socio. Asn; Soc. Sci. Study Relig. Religiosity as related to social institutional changes; student revolts and changes in university systems in United States and Japan. Address: 117 14th St. N.E., Cedar Rapids, Iowa 52402.
- KIM, DR. CHONG LIM, b. Seoul, Korea, July 17, 37; m. 63; c. 2. POLITICAL SCIENCE. B.A., Seoul, 60; M.A., Oregon, 65, Ph.D.(polit. sci), 68. Instr. POLIT. SCI, Oregon, 65-67; IOWA, 67-68, ASST. PROF, 68-. Hill Family Found. res. fel. & vis. scholar, Univ. Tokyo, 68-69. Polit. Sci. Asn. Comparative political elites; legislative behavior. Publ: Toward a theory of individual and systemic effects of political status loss, J. Developing Areas, 7/70 & Political attitudes of defeated candidates in an American state, Am. Polit. Sci. Rev, 9/70. Address: Dept. of Political Science, University of Iowa, Iowa City, Iowa 52240.
- KIM, DR. HI-SOO. Pathology. See Suppl. V to 11th ed, Phys. & Biol. Vols.
- KIM, DR. ILPYONG JOHN, b. Seoul, Korea, Aug. 15, 31; U.S. citizen; m. 63; c. 2. POLITICAL SCIENCE. B.A., Asbury Col, 57; M.A., Columbia, 62, Ph.D.(polit. sci), 68. Lectr. POLIT. SCI, Indiana, 65-67, asst. prof, 68-69; ASSOC. PROF, CONNECTICUT, 70-. U.S.A., 50-53, apt. Polit. Sci. Bureaucracy and organization theory in developing countries. Publ: North Korea's Fourth Party Congress, Pac. Affairs, 62; Judicial and administrative structure in Korea, China Quart, 63; Mass mobilization policy in China, Chinese Polit. in Action, 69. Address: Dept. of Political Science, University of Connecticut, Storrs, Conn. 06268.
- KIM, DR. JOUNGWON ALEXANDER, b. Seoul, Korea, Dec. 13, 37; m. 60; c. 1. POLITICAL SCIENCE. B.S., Columbia, 62; B.A., Hopkins, 65, Ph.D.(int. rels), 67. Res. asst., Brookings Inst, 63-64; Wash. Center For. Policy Res, 64-65; Asia res. analyst, Libr. Cong, 66-67; asst. prof. polit. sci, Hobart & William Smith Col, 67-68; ASSOC. PROF. GOVT. & POLIT, FINCH COL, 69-. Res. assoc. Res. Inst. Modern Asia, Hunter Col, 66-. Consult., Center Res. Soc. Syst., American Univ, 66-; sr. res. fel, Res. Inst. Communist Affairs, Columbia, 70-. Polit. Sci. Asn; Asn. Asian Studies; Int. Studies Asn. Political development, especially in East Asia, theory of pre-development stages and application in case studies drawn from East Asia. Publ: North Korea's new offensive, For. Affairs, 10/69; Soviet policy in North Korea, World Polit., 1/70; Korean kundaehwa: the military as modernizer, J. Comp. Admin, 11/70. Address: Research Institute on Communist Affairs, Columbia University, New York, N.Y. 10025.
- KIM, DR. SAMUEL S. Political Science. See A-K Vol, 11th ed, Soc. & Behav. Vols. New information: Naturalized U.S. citizen, 69. Assoc. prof. govt, 69-, Dept. of Political Science, Monmouth College, West Long Branch, N.J. 07764.
- KIM, DR. UONG TACK (ROY). International Relations. See A-K Vol, 11th ed, Soc. & Behav. Vols. New position & address: Asst. prof., 69-, Drexel University, Philadelphia, Pa. 19104.
- KIM, DR. YUN, b. Kyungnam, Korea, July 28, 34; m. 63; c. 3. DEMOGRAPHY, SOCIOLOGY. B.A., Seoul, 58; Demog. Training & Res. Center, 59-60; Princeton, 61-62; M.S., Pennsylvania, 63; scholar, Australian Nat. Univ, 63-66, Ph.D.(demog), 67. Admin. asst. & asst. statistician, Econ. Planning Bd, Seoul, Korea, 57-61; res. assoc. demog. Inst. Demog. Res, Seoul, 61-65; asst. prof. DEMOG. & SOCIOLOG, UTAH STATE, 66-69, ASSOC. PROF, 69-. Dir., Nat. Sci. Found. summer inst. pop. studies, Utah State, 69, 70. AAAS; Pop. Asn; Sociol. Asn; Int. Pop. Union. Study of the population of the Navajo; study of the population of Korea. Publ: Some demographic measurements for Korea based on quasi-stable population theory, Demography, 8/65; Age at marriage and the trend of fertility in Korea, UN World Pop. Conf, 65; co-auth, The estimation of intercensal migration from birth-residence statistics: a study of data for the United States, 1950 and 1960, Pop. Studies Center, Univ. Pa. Address: Dept. of Sociology, Utah State University, Logan, Utah 84321.
- KIMBALL, DR. CHASE PATTERSON. Psychiatry, Internal Medicine. See Suppl. VI to 11th ed, Phys. & Biol. Vols.
- KIMBALL, DR. LORENZO KENT, b. Manti, Utah, June 16, 22; m. 43; c. 2. POLITICAL SCIENCE. B.S., Utah, 63, Ph.D. 68. ASST. PROF. POLIT. SCI, UTAH, 67-. Med. Serv. C, U.S.A.F. 41-62, Lt. Col. Polit. Sci. Asn; Acad. Polit. Sci. Address: Dept. of Political Science, University of Utah, Salt Lake City, Utah 84112.
- KIMBRELL, DR. GORDON M. Psychology. See Suppl. V to 11th ed, Phys. & Biol. Vols.
- KINCAID, DR. GERALD L. Language Arts, Social Science. See 5th ed, Dir. Am. Scholars, Vol. II, Eng. Speech & Drama.

- KINCAID, DR. HARRY V. Sociology. See A-K Vol. 11th ed, Soc. & Behav. Vols. New position: Prog. dir. ed. 69-. Stanford Research Institute, 333 Ravenswood Ave., Menlo Park, Calif. 94025.
- KING, PROF. CHARLES EDWARD. Sociology. See A-K Vol. 11th ed, Soc. & Behav. Vols. New position: Prof. sociol. North Carolina Central, 68-Address: 1008 Chalmers St., Durham, N.C. 27707.
- KING, PROF. C(HARLES) HAROLD. History. See 5th ed, Dir. Am. Scholars, Vol. I, Hist.
- KING, PROF. C(LARENCE) WENDELL. Sociology. See A-K Vol. 11th ed, Soc. & Behav. Vols. New position & address: Chmn. 68-, Dept. of Social Science, Westfield State College, Westfield, Mass. 01085.
- KING, DR. DAVID A(USTEN). Forest Economics, Economics. See A-K Vol. 11th ed, Soc. & Behav. Vols. New position: Prof. 69-, Dept. of Watershed Management, University of Arizona, Tucson, Ariz. 85721.
- KING, DR. DONALD L. b. New York, N.Y., May 13, 41. PSYCHOLOGY. B.A., N.Y. Univ. 61; Ph.D. (psychol.), Stanford, 66. Asst. prof. PSYCHOL., Howard, 66-70; ASST. PROF., QUEENSBOROUGH COMMUN. COL., 70-. Psychology. Asn. General experimental psychology. Publ.: A review and interpretation of some aspects of infant-mother relationship in mammals and birds. Psychol. Bull. 66, Effect of early experience and litter on weight and maturational variables of the rat, Develop. Psychol. 69, & Comparison between two methods of demonstrating the relatedness of the emotionality variables in the rat, J. Comp. & Physiol. Psychol. 70. Address: Social Sciences Division, Queensborough Community College, Bayside, N.Y. 11364.
- KING, DONALD WARD, b. Cheyenne, Wyo., July 18, 32; m. 54; c. 4. OPERATIONS RESEARCH, MARKETING. B.S. Wyoming, 59, M.S. 60. Analyst, C-E-I-R, Inc. 60-61; WESTAT RES. INC. 61-63, EXEC. V.PRES. 63-. Mem. panel shipboard manpower, Maritime Transportation Res. Bd. Nat. Acad. Sci. 68; task group on dissemination of info. Fed. Coun. for Sci. & Tech. 68, U.S.N.R. 52-54; U.S.M.C.R. 54-56, Capt. Soc. Info. Sci. Statist. Asn; Mkt. Asn; Inst. Mgt. Sci. Consulting and research in design and evaluation of information systems applied to document retrieval and marketing information systems; consulting in statistics, operations research and marketing research. Publ: Co-ed. Time sharing innovations for ORL decision-making, Wash. Oper. Res. Coun. 69; co-auth. Evaluation of bibliographic products and services. Info. Resources. 70 & Alternatives to scientific and technical journal articles, CFSTI, 70. Address: 7979 Old Georgetown Rd, Bethesda, Md. 20014.
- KING, DEAN GUNDAR J(ULIAN). Business Economics. See A-K Vol. 11th ed, Soc. & Behav. Vols. New position: Dean, 69-, School of Business Administration, Pacific Lutheran University, P.O. Box 2501, Tacoma, Wash. 98447.
- KING, HUGH P. Economics, Statistics. See A-C Vol. 11th ed, Soc. & Behav. Vols. New position: Res. dir. 69-, International Council of Shopping Centers, 445 Park Ave., New York, N.Y. 10022.
- KING, PROF. LESLIE J. Geography. See A-K Vol. 11th ed, Soc. & Behav. Vols. New position & address: Chmn. 70-, Dept. of Geography, McMaster University, Hamilton, Ont. Can.
- KING, DR. MARY ELIZABETH. Anthropology. See A-K Vol. 11th ed, Soc. & Behav. Vols. New position: Assoc. prof., Howard, 69-. Address: 328 Sixth St. S.E., Washington, D.C. 20003.
- KING, PROF. MORRIS A(UDREY). Educational Psychology. See A-K Vol. 11th ed, Soc. & Behav. Vols. New position & address: Head, 69-, Dept. of Elementary & Secondary Education, Clemson University, Clemson, S.C. 29631.
- KING, PROF. PAUL T. b. Earlington, Ky., Oct. 21, 22; m. 47; c. 2. COUNSELING PSYCHOLOGY, SPEECH PATHOLOGY. A.B. Kentucky, 47, M.A. 49; Ph.D. (speech path. clin. psychol.), Pa. State, 53. Psychologist, Child Guid. Clin., Lexington, Ky. 48-49; speech pathologist, speech & hearing clin., Pa. State, 49-52; speech pathologist & psychologist, residential rehab. center, 50-52; speech pathologist, audiol. rehab. center, 52-54; counseling psychologist, counseling center, Mich. State, 54-62; vis. assoc. prof. ed., MISSOURI-COLUMBIA, 62-63, assoc. prof., 63-64, PROF. ED. & DIR. TESTING & COUNSELING, 64-. Psychology, consult., Wentworth Mil. Acad., Lexington, Mo. 64-. Dipl. counseling psychol. Am. Bd. Exam. Prftl. Psychol. 62, C.Eng. U.S.A. 42-45. Psychol. Asn; Personnel & Guid. Asn; Asn. Couns. Ed. & Supv. Publ: Co-auth. Ego psychology and counseling, Houghton, 66; The effectiveness of multivariate and univariate discriminant analysis in choosing engineering students, J. Counseling Psychol. 69; Psychoanalytic adaptations, In: Theories of counseling, McGraw-Hill, rev. ed. 70. Address: 2313 Fairmont, Columbia, Mo. 65201.
- KING, DR. THOMAS ROY. Speech, Communications. See 5th ed, Dir. Am. Scholars, Vol. II, English, Speech & Drama.
- KINNARD, PROF. WILLIAM N(OBLE), JR. Economics. See A-K Vol. 11th ed, Soc. & Behav. Vols. New information: Also assoc. dean, 69-, School of Business Administration, University of Connecticut, Storrs, Conn. 06268.
- KINNEY, DR. CHERRY CARTER. Sociology. See A-K Vol. 11th ed, Soc. & Behav. Vols. New position & address: Asst. prof. sociol. 68-, Dept. of Sociology & Anthropology, Iowa State University, Ames, Iowa 50010.
- KINICK, DR. BERNARD CONRAD. Psychology, Counseling Psychology. See A-K Vol. 11th ed, Soc. & Behav. Vols. New information: Also asst. dean psychol. serv. & chmn. 69-, Graduate Dept. of College Student Personnel Work, Colorado State College, Greeley, Colo. 80631.
- KINTNER, PROF. WILLIAM R(OSCOE). Political Science. See A-K Vol. 11th ed, Soc. & Behav. Vols. Change of address: Foreign Policy Research Institute, University of Pennsylvania, 3508 Market St., Suite 350, Philadelphia, Pa. 19104.
- KINTSCH, PROF. WALTER. b. Temeschwar, Rumania, May 30, 32; m. 59. EXPERIMENTAL PSYCHOLOGY. Fulbright scholar, Kansas, 55-56, M.A. 58, Ph.D. 60. Asst. exp. psychol., Kansas, 57-60; U.S. Pub. Health Serv. res. fel., Indiana, 60-61; asst. prof. PSYCHOL., Missouri-Columbia, 61-64; assoc. prof., 64-65; Academic, Riverside, 65-67; vis. prof., Stanford, 67-68; PROF., COLORADO, 68-. Psychol. Asn; Psychonomic Soc. Mathematical models of memory and learning. Publ: Learning, memory and conceptual behavior, Wiley, 70. Address: Dept. of Psychology, University of Colorado, Boulder, Colo. 80302.
- KINTZ, DR. ROBERT. Physiological Optics, Vision. See 12th ed, Phys. & Biol. Vols.
- KINZER, DR. JOHN R(OSS). Psychology. See A-K Vol. 11th ed, Soc. & Behav. Vols. New position: Res. psychologist, pub. policy res. orgn., California, Irvine, 69-. Address: 1001 Charwood Lane, Santa Ana, Calif. 92705.
- KIPPS, DR. PAUL HENRY, b. Aroda, Va., Feb. 19, 32; m. 60; c. 1. ECONOMIC. B.S., Va. Polytech. 58, M.S. 65; Ph.D. (agr. econ), Cornell, 68. Asst. prof. ECON., MADISON COL., 68-69, ASSOC. PROF., 69-. Agr. Econ. Asn; Econ. Asn. Economic theory; international economics and development; agricultural economics and marketing. Address: Dept. of Economics, Madison College, Harrisonburg, Va. 22801.
- KIRBY, PROF. JAMES C., JR. Law, Political Science. See 5th ed, Dir. Am. Scholars, Vol. IV, Philos., Relig. & Law.
- KIRCHNER, DR. WAYNE K(ERMIT). Industrial Psychology. See A-K Vol. 11th ed, Soc. & Behav. Vols. Change of address: 6304 York Ave. S., Minneapolis, Minn. 55435.
- KIRIAZIS, DR. JAMES WILLIAM. Anthropology, Social Work. See A-K Vol. 11th ed, Soc. & Behav. Vols. New information: Also chmn., Dept. of Sociology, Youngstown State University, Youngstown, Ohio 44503.
- KIRK, DR. GRAYSON. International Relations. See A-K Vol. 11th ed, Soc. & Behav. Vols. New information: Emer. pres. & emer. trustee, Columbia, 69-. Address: 60 Morningside Dr., New York, N.Y. 10027.
- KIRK, DR. JAMES H(OBERT). Sociology. See A-K Vol. 11th ed, Soc. & Behav. Vols. New position & address: V-pres. opers. 69-, African-American Institute, 866 United Nations Plaza, New York, N.Y. 10017.
- KIRK, DR. PAUL L(IVINGSTON), b. Stockton, Calif., May 19, 27; m. 50, 68; c. 4. ANTHROPOLOGY, LINGUISTICS. B.A., Lewis & Clark, 52; Nat. Defense Ed. Act fel., Washington (Seattle), 60-63 & 65, M.A., 62, Ph.D. (ling), 66. Field researcher ling. & anthrop., Summer Inst. Ling. 53-67; asst. prof. ANTHROP., SAN FERNANDO VALLEY STATE COL., 67-70, ASSOC. PROF. & CHMN. DEPT. 70-, acting chmn. dept., 69-70, Am. Philos. Soc. grant, 69. U.S.N., 45-46. Ling. Soc. Am; fel. Am. Anthrop. Asn; Int. Ling. Asn. Synchronic and diachronic linguistics; dialectology; kinship systems; Meso-America. Publ: Mana xuju, Instituto Linguistico de Verano, 61; A note on morphemic fusion and empty morphemes, Studies in Ling., 14; 7-9; Social vs consanguineal distance as reflected by Mazatec kinship terminology, In: Suma antropologica en homenaje a Robert J. Weillaner, Instituto Nacional de Antropologia e Historia, 66. Address: Dept. of Anthropology, San Fernando State College, 18111 Nordhoff St., Northridge, Calif. 91324.
- KIRK, DR. WILLIAM EDMUND, b. Martins Ferry, Ohio, Jan. 22, 37; m. 59; c. 4. EXPERIMENTAL PSYCHOLOGY. B.S., Marietta Col., 59; M.S., Ohio, 66, Ph.D. (psychol.), 69. Teacher, Caldwell Exempted Village High Sch. 59-60; Avon Lake High Sch. 60-63; res. asst. statist. for Paul A. Games, Ohio Univ. 63-64; fel. PSYCHOL., Ohio, 65-66; ASSOC. PROF., SLIPPERY ROCK STATE COL., 67-. Asst. prof., St. Lawrence Univ., summer, 65. U.S.A.F.R., 55-63. AAAS. Temporal conditioning; habituation; the orienting response using the human Galvanic Skin Response as a measure. Address: Dept. of Psychology, Slippery Rock State College, Slippery Rock, Pa. 16057.
- KIRKENDALL, DR. LESTER A(LLEN). Psychology. See A-K Vol. 11th ed, Soc. & Behav. Vols. New information: Retired, Oregon State; res. & writing. Address: 12601 S.E. River Rd. Apt. 321, Portland, Ore. 97222.
- KIRKHART, DR. ROBERT OLIN. Clinical & Social Psychology. See A-K Vol. 11th ed, Soc. & Behav. Vols. Change of address: 1557 Middleton Rd., Hudson, Ohio 44236.
- KIRKPATRICK, PROF. CLIFFORD. Sociology. See A-K Vol. 11th ed, Soc. & Behav. Vols. Correction in address: Route 12, Bender Rd., Bloomington, Ind. 47401.
- KIRKPATRICK, DR. SAMUEL A., b. Harrisburg, Pa., Oct. 24, 43; m. 65; c. 1. POLITICAL SCIENCE. B.S. Shippensburg State Col. 64; univ. fel. & M.A. Pa. State, 66, Nat. Sci. Found. fel. & Ph.D. (polit. sci.), 68; summer Michigan, 67. ASST. PROF. POLIT. SCI., OKLAHOMA, 68-. DIR. BUR. GOVT. RES. 69-. Off. rep. Inter-univ. Consortium Polit. Res. 68-; state supvr. election news, Nat. Broadcasting Co. 69-; summer lectur., Univ. Michigan, 70. Consult. Okla. Acad. State Goals & mem. ed. policy Cmt. Soc. Sci. Quart. 69. Polit. Sci. Asn; Asn. Pub. Opinion Res; Social. Asn; Statist. Asn. Research design and data analysis; empirical theory; public opinion and electoral behavior; social psychology and politics; American politics; state and local politics. Publ: Quantitative analysis of political data, C.E. Merrill, 70; co-auth. Social psychology of political life, Wadsworth, 70 & Urban political process, Free Press, 70. Address: Dept. of Political Science, University of Oklahoma, Norman, Okla. 73069.

- KIRSCH, DR. LEONARD J. b. Pittsburgh, Pa, July 6, 34; m. 61; c. 1. ECO-NOMICS. B.A., Pittsburgh, 56; Ford Found. fel, Harvard, 56-58, M.A., 58, univ. fel, 58-59, Ph.D.(econ), 67; Harvard traveling fel, Moscow State, 60-61. Instr. ECON, Simmons Col, 65-67; ASST. PROF. MASSACHUSETTS, BOSTON, 67- Assoc. Russian Res. Center, Harvard, 67- Consult. int. dept. United Auto Workers, 67- Econ. Asst. Asst. Study Soviet-Type Econ. Soviet economics; macro-economic theory; labor economics. Publ: Co-auth, Applied principles of economics, McGraw, 68; co-ed, Planning the standard of living according to consumption norms, Int. Arts & Sci, 69. Address: Dept. of Economics, University of Massachusetts, Boston, Mass. 02116.
- KIRSHEN, PROF. H(MY) (BENJAMIN). Economics. See A-K Vol, 11th ed, Soc. & Behav. Vols. Change of address: 5469 St. Catherine Court, San Jose, Calif. 95127.
- KIR-STIMON, DR. WILLIAM. Clinical & Counseling Psychology. See A-K Vol, 11th ed, Soc. & Behav. Vols. New information: Consult, Kennedy Sch. Retarded. Address: Post House Medical Center, Richton Park, Ill. 60471.
- KIRZNER, PROF. ISRAEL M(AYER). Economics. See A-K Vol, 11th ed, Soc. & Behav. Vols. New position: Prof, 68-, Dept. of Economics, New York University, New York, N.Y. 10003.
- KISCH, PROF. HERBERT, b. Prague, Czech, June 12, 24; U.S. citizen; m. 54; c. 2. ECONOMICS, ECONOMIC HISTORY. B.Sc., London, 48, B.Com., 49, Ph.D.(econ), Washington (Seattle), 58. Res. economist, California, Berkeley, 52-56; acting ad. prof. ECON, Washington (Seattle), 58; lectr. M.D. STATE, 59-60, asst. prof, 60-63, assoc. prof, 63-69, PROF, 69- Soc. Sci. Res. Coun. grant, 58-59; Rockefeller Found. grant, 61-62; Fulbright lectr, Free Univ. Berlin, 67-68. Czech. Armored Brigade, England & N.W. Eu-rope. Econ. Asst.; Econ. Hist. Asst. European economic history; industrial-ization in Western Germany, the 18th and 19th centuries. Publ: The textile industries in Silesia and the Rhineland—a comparative study in industrial-ization, J. Econ. Hist., 12/59; The impact of the French Revolution on the lower Rhine textile districts, Econ. Hist. Rev., 12/62; Prussian mercantilism and the rise of the cretold silk industry, Trans. Am. Philos. Soc., 11/68. Address: Dept. of Economics, Marshall Hall, Michigan State University, East Lansing, Mich. 48823.
- KISTLER, DR. RICHARD EDWIN, b. Ludington, Mich., June 20, 31; m. 59. MANAGEMENT SCIENCE. B.A., Lewis & Clark Col, 52; M.Ed., Portland, 56; Ford Found. grant, Stanford, 59-61, Eastman Kodak grant, 61-62, Ph.D. (mgt. sci.), 64. Ins. underwriter, Phil Grossmayer Co., 54-59; instr. bus. math, Stanford, 61-62; oper. res. analyst, U.S. NAVAL WEAPONS CENTER, 62-66, SUPPLY OPERS. RES. ANALYST, 66- Instr. China Lake Exten, Univ. Southern California, 68- U.S. Naval Weapons Center fel. mgt. award, 67. Sci. Res. Soc. Am. Present value analysis; cost-effectiveness analysis of military systems; studies of anti submarine tactics; studies of Fleet Air Defense procedures employing the methods of operations research and systems analysis. Address: U.S. Naval Weapons Center, Code 127, 704A Nimitz Ave, China Lake, Calif. 93555.
- KISTLER, DR. ROBERT CHARLES, b. Philadelphia, Pa., Mar. 7, 26; m. 51; c. 1. SOCIOLOGY. B.A., South. Missionary Col, 48; M.A., Andrews, 60; M.A., Maryland, 62. Ph.D.(sociol), 67. Instr. SOCIOL, Maryland, 62-67, ASST. PROF., ANDREWS, 67- Soc. Sci. Res. Nat. Coun. Family Relcs. Occupational sociology and the field of the family. Publ: Co-auth, Role dilemmas of Protestant clergymen in a metropolitan community, Rev. Relig. Res, spring 65. Address: Dept. of Sociology, Andrews University, Berrien Springs, Mich. 49104.
- KIVLIN, DR. JOSEPH EDWARD, b. Readville, Mass., Apr. 18, 21; m. 42; c. 2. SOCIOLOGY. B.S., Vermont, 55; M.S., Pa. State, 57, Ph.D.(rural sociol), 60. Instr. sociol, Pa. State, 60-61, res. consult, rural sociol, summer 66; from instr. to assoc. prof, Heidelberg Col, 61-65; assoc. prof. commun. & dir. for India, Mich. State Univ-Agency Int. Develop-Nat. Inst. Community Develop. Diffusion of Innovations Proj, Mich. State, 66-68. ASSOC. PROF. SOCIOL, BOWLING GREEN STATE, 67- Sociol. Asst.; Rural Sociol. Soc.; Nat. Coun. Family Relcs. Diffusion of innovations. Publ: Co-auth, Agricultural innovations in Indian villages, Agricultural innovation among Indian farmers & Communication in India: experiments in intro-ducting change, Nat. Inst. Community Develop, 68. Address: Dept. of Sociology, Bowling Green State University, Bowling Green, Ohio 43402.
- KLAREN, DR. PETER FLINDELL. Latin American History. See 5th ed, Dir. Am. Scholars, Vol. I, Hist.
- KLARMAN, PROF. HERBERT ELIAS. Economics. See A-K Vol, 11th ed, Soc. & Behav. Vols. New information: Prof. State Univ. N.Y. Downstate Med. Center, 69- Address: 310 Beverly Rd, Brooklyn, N.Y. 11218.
- KLAUS, DR. GUNTHER W. b. Fuerth Bayern, Germany, Apr. 29, 26; U.S. citizen; m. c. 2. BUSINESS ECONOMICS. M.B.A., Erlangen, 50, Ph.D.(bus. econ), 53. Assoc. ed, Nuernberger Nachrichten, Bavaria, Germany, 50-53; tech. economist, Klawner Co, Mich., 54-56; mkt. analyst, Kraft Foods Div, Nat. Dairy Corp, Ill, 56-57; asst. to v.p.res. corporate employee rels, Purex Corp, Ltd, Calif, 57-64; MANAGING DIR, INST. ADV. PLANNING, 64- Mkt. Asst.(merit award, 55). General management consulting; lecturing. Publ: A concept of product pricing, Am. Mkt. Assn., 55. Address: Institute for Advanced Planning, 1510 W. Chestnut St, Alhambra, Calif. 91803.
- KLAUSMEIER, DR. (HERBERT) (JOHN). Educational Psychology. See A-K Vol, 11th ed, Soc. & Behav. Vols. New position: Also V.A.C. Henmon prof. ed. psychol, 69-, Wisconsin Research & Development Center for Cognitive Learning, University of Wisconsin, 1404 Regent St, Madison, Wis. 53706.
- KLAYMAN, DR. MAXWELL IRVING, b. Boston, Mass., Apr. 30, 17; m. 50; c. 3. ECONOMICS, ECONOMIC DEVELOPMENT. B.S., Massachusetts, 38; M.S., Iowa State, 41; M.A., Harvard, 51, Ph.D.(econ), 68. ECONOMIST, sur-plus commodities mkt. progrs, bur. agr. econ, U.S. Dept. Agr, 39-41, bur. labor statist, U.S. Dept. Labor, 46-48, bur. agr. econ, U.S. Dept. Agr, 48-51; Food & Agr. Orgn. UN, Rome, Italy, 51-62; Cali, Colombia, 62-64; grad. sch. pub. & int. affairs, Univ. Pittsburgh, 65-67; Maryland, 67-68; STATE UNIV. N.Y. COL. NEW PALTZ, 68- Consult. Inter-Am. Develop. Bank, 68- U.S.A., 41-46, 1st Lt. Soc. Int. Develop; Econ. Asst.; Agr. Econ. Asst. Publ: The Moshav in Israel, Praeger, 69; Data needs for agricultural sector and project analyses, Inter-Am. Develop. Bank, 70; Index numbers of agricultural production, Agr. Econ. & Statist., 9/61. Address: 5 Ulster Rd, New Paltz, N.Y. 12561.
- KLEBAN, DR. EUGENIUSZ. Sociology. Electrical Engineering. See A-K Vol, 11th ed, Soc. & Behav. Vols. New position: Assoc. prof. sociol. & anthrop. & chmn. dept, Wagner Col, 69- Address: 2 Horatio St, New York, N.Y. 10014.
- KLEBAN, DR. MORTON HAROLD, b. Brooklyn, N.Y., Oct. 23, 31; m. 55; c. 3. PSYCHOLOGY. B.B.A., City Col. New York, 53; M.A., Iowa, 55; Ph.D.(clin. res), North Dakota, 60. Intern clin. psychol, Neb. Psychiat. Inst., 59-60; clin. psychologist, Norristown State Hosp, 60-64; psychologist, Pa. Dept. Ment. Health, 64-66; RES. PSYCHOLOGIST, PHILA. GERIAT. CENTER, 66-; MED. RES. SCIENTIST, NORRISTOWN STATE HOSP, 66- Nat. Inst. Ment. Health grant, 70-74. U.S.A., 55-57. Psychol. Asst. Psychobiology of learning; mental impairment in the aged; animal learning. Publ: A test of the discrimination hypothesis, 67 & Studies of punishment relating omission in noxious stimulation to response recall, J. Genetic Psychol; co-auth, In-fluence of donor-recipient brain transfers on avoidance learning, Psychol. Reports, 68. Address: 14 Colton Dr, Norristown, Pa. 19403.
- KLEE, DR. JAMES B(UTT). Psychology. See A-K Vol, 11th ed, Soc. & Behav. Vols. New position: Vis. prof, West Ga. Col, 69-70- Address: 151 Cunningham Dr, Carrollton, Ga. 30117.
- KLEIN, DR. A(BRAHAM). Clinical Psychology. See A-K Vol, 11th ed, Soc. & Behav. Vols. Change of address: R.F.D. 3, Whangtown Rd, Carmel, N.Y. 10512.
- KLEIN, DR. BERNARD. Modern & Jewish History. See 5th ed, Dir. Am. Scholars, Vol. I, Hist.
- KLEIN, PROF. BURTON H. b. Oct. 16, 17; U.S. citizen; m. 55; c. 3. ECONOMICS. ICS. B.S., Harvard, 40, Ph.D.(econ), 48. Staff economist, Coun. Econ. Adv., 48-52; Rand Corp, 52-61; head dept. econ, CALIF. INST. TECH, 61-65, PROF, 65- Lectr. Harvard, 61; Hebrew Univ. Jerusalem, 65; consult. Coun. Econ. Adv. Econ. Asst. Factors affecting the entropy of public and private organi-zations; the relationship between the characteristics of organizations and the societies to which they belong. Publ: Germany's preparations for war, Har-vard, 58; The decision-making problem in development, Nat. Bur. Econ. Res, 61; co-auth, Behavior of military industrial complex, Twentieth Century Fund, 70. Address: Dept. of Economics, California Institute of Technology, 1201 E. California Blvd, Pasadena, Calif. 91109.
- KLEIN, DR. DONALD C(HARLES). Psychology. See A-K Vol, 11th ed, Soc. & Behav. Vols. New position: Coordinator community affairs, inst. appl. behav. sci, Nat. Training Lab, 69- Address: 6418 Bannockburn Dr, Be-the-sda, Md. 20034.
- KLEIN, DR. EDWARD LAWRENCE. Forestry, Forest Products Marketing. See Suppl. VI to 11th ed, Phys. & Biol. Vols.
- KLEIN, DR. MARJORIE H. b. Milwaukee, Wis., Sept. 13, 33; m. 56; c. 2. PSYCHOLOGY. B.A., Wellesley Col, 55, M.A., 57; U.S. Pub. Health Serv. fel, Harvard, 59-61, Ph.D.(soc. psychol), 64. Lab. asst. PSYCHOL, Wellesley Col, 55-57; res. asst. Nat. Inst. Ment. Health, 57-59; proj. asst. WIS. PSY-CHIAT. INST. MED. CENTER, WISCONSIN, 61-64, Nat. Inst. Ment. Health res. fcls, 64-65 & 66-67, RES. ASSOC, 67- Psychol. Asst. Social psychol-ogy; psychotherapy research; foreign student adaptation; content analysis; personality. Publ: Co-auth, The therapeutic relationship and its impact: a study of psychotherapy with schizophrenics, Univ. Wisconsin, Madison, 67; auth, Compliance, Consistent conformity and personality, J. Personality & Soc. Psychol., 5: 239-245; co-auth, Behavior therapy: observations and re-flections, J. Consult. & Clin. Psychol., 33: 259-266. Address: Wisconsin Psychiatric Institute, University of Wisconsin Medical Center, 1300 Uni-versity Ave, Madison, Wis. 53706.
- KLEIN, DR. MORRIS M(OSHE), b. Rumania, Jan. 29, 23; U.S. citizen; m. 53; c. 2. PSYCHOLOGY. B.A., Yeshiva Col, 55, M.A., 57; Ph.D.(psychol), Yeshiva, 61. Intern psychologist, Bellevue Psychiat. Hosp, New York, N.Y., 60-61; sr. clin. psychologist, Hudson River State Hosp, 61-63; CHIEF, PSYCHOLOGIST, BRONX STATE HOSP, 63-; ASST. CLIN. PROF. PSYCHIAT, ALBERT EIN-STEIN COL. MED, 67- Consult. psychologist, S.Shore Child Guid. Center, 63-68; adj. asst. prof, Fordham Univ, 64- Psychol. Asst. Cognitive func-tions of authoritarianism and dogmatism voting competence and mental illness. Address: Dept. of Psychiatry, Albert Einstein College of Medicine, Yeshiva University, Bronx, N.Y. 10461.
- KLEIN, DR. RICHARD G. Anthropology. See A-K Vol, 11th ed, Soc. & Behav. Vols. New position & address: Assoc. prof, 69-, Dept. of Anthropology, University of Washington, Seattle, Wash. 98105.
- KLEIN, DR. THOMAS M(ARTIN). Economics. See A-K Vol, 11th ed, Soc. & Behav. Vols. Change of address: 4008 Ingersoll Dr, Silver Spring, Md. 20902.
- KLEINER, PROF. JOSEPH L(ESTER). Business Administration. See A-K Vol, 11th ed, Soc. & Behav. Vols. New position: Prof, 68-, Dept. of Com-merce, Extension Bldg, University of Wisconsin, Madison, Wis. 53706.
- KLEINGARTNER, DR. ARCHIE. Industrial Relations, Labor Economics. See A-K Vol, 11th ed, Soc. & Behav. Vols. New position: Assoc. prof. in-dust. rels, chmn. dept. bus. admin. & assoc. dean 68-, Graduate School of Business Administration, University of California, Room 328 4B, Los An-gles, Calif. 90024.

- KLEINMAN, DR. KENNETH M. b. Brooklyn, N.Y. Aug. 10, 41; m. 67. PSYCHOLOGY. B.A. Grinnell Coll, 62; M.A. Washington (St. Louis), 64; Ph.D. (psychol), 67. Instr. PSYCHOL, sch. med, Missouri, 67-69; ASST. PROF. SOUTHERN ILLINOIS, 69- AAAS: Psychol. Assn. Soc. Psychophysiol. Res. Physiological psychol; psychophysiology; experimental psychology; learning; relationship between autonomic nervous system and behavior; physiological and behavioral correlates of cigarette smoking. Publ: Co-auth. Deficits in recognition of random shapes with changed visual fields, *Psychonomic Sci*, 65; auth. The effect of repeated ingestion upon the subsequent ingestion of phenobarbital in the rat, *J. Comp. & Physiol. Psychol*, 66 & Some factors affecting the relationship between autonomic activity and reaction time, *Psychophysiology*, 68. Address: Dept. of Psychology, Southern Illinois University, Edwardsville, Ill. 62025.
- KLEPPNER, DR. PAUL. Modern American History. See 5th ed, Dir. Am. Scholars, Vol. I, Hist.
- KLINE, ROBERT REEVES. Philosophy. See 5th ed, Dir. Am. Scholars, Vol. IV, Philos, Relig. & Law.
- KLINGAMAN, DR. DAVID C. b. Sharon, Pa, June 14, 34; m. 56; c. 1. ECONOMICS, ECONOMIC HISTORY. B.S. Kent State, 56, M.A., 64; Ph.D.(econ), Virginia, 67. Time study & methods engr, Firestone Tire & Rubber Co, 56-59; registered rep, Merrill, Turben & Co, 59-60; sr. salesman, Addressograph-Multigraph Corp, 60-63; ASSOC. PROF. ECON, OHIO, 67- U.S.A.R., 56-64, Capt. Econ. Assn; Econ. Hist. Assn. American economic history, particularly colonial economic history, monetary theory and policy. The development of the relationship between autonomic activity and behavior, *Biography*, 1/69, The significance of grain in the development of the tobacco colonies, *J. Econ. Hist.*, 6/69 & On affluence and economic conflict, *Am. J. Econ. & Sociol.*, 1/70. Address: Dept. of Economics, Ohio University, Athens, Ohio 45701.
- KLINGHAMMER, DR. ERICH. Ethology, Behavioral Science. See A-K Vol, 11th ed, Soc. & Behav. Vols. New position & address: Assoc. prof, 68-, Dept. of Psychology, Purdue University, Lafayette, Ind. 47907.
- KLISE, PROF. EUGENE S(TORM). Economics. See A-K Vol, 11th ed, Soc. & Behav. Vols. Change of address: 12246 Ranch House Rd, San Diego, Calif. 92128.
- KLONOFF, DR. HARRY. b. Winnipeg, Man, July 29, 24; m. 48; c. 3. PSYCHOLOGY. B.A. Manitoba, 49; fel, Toronto, 50, M.A., 51; fel, Firland Sanatorium, Seattle, 52-55; Ph.D.(psychol), Washington (Seattle), 54. Intern psychol, Sunnybrook Vet. Hosp, Toronto, 50; sr. intern, Toronto Psychiat. Hosp, summer 51; sr. psychologist, Shagnessy Vet. Hosp, 55-61; clin. instr. PSYCHIAT, BRITISH COLUMBIA, 60-61, instr, 61-62, asst. prof, 62-67, ASSOC. PROF, 67-, HEAD DIV. PSYCHOL, 62- Sr. psychologist, Shagnessy Hosp, Vancouver, 61-; lectr, sch. nursing, Vancouver Gen. Hosp, 62- Can. Army, 43-46. Psychol. Assn; Geront. Soc; Assn. Am. Med. Col. Neuropsychological assessment of brain damaged children; head injuries in children and adults; epidemiology; natural history; sequelae; schizophrenia; neuropsychology. Publ: Epidemiology of head injuries in children, 67 & Epidemiology of head injuries in adults, 69, *Can. Med. Assn. J.* Acute and chronic brain damage in children, *Develop. Med. Child Neurol*, 69. Address: Health Sciences Centre Hospital, University of British Columbia, Vancouver 8, B.C., Can.
- KLOTZ, DR. JEROME H. Statistics. See A-K Vol, 11th ed, Soc. & Behav. Vols. New position: Prof, Dept. of Statistics, University of Wisconsin, 1210 W. Dayton St, Madison, Wis. 53706.
- KLUCKHOLN, DR. FLORENCE ROCKWOOD (MRS. GEORGE E. TAYLOR). Sociology. See A-K Vol, 11th ed, Soc. & Behav. Vols. Change of address: The Highlands, Seattle, Wash. 98177.
- KLUGMAN, DR. SAMUEL F. Psychology. See A-K Vol, 11th ed, Soc. & Behav. Vols. New information: Retired, 69. Address: 59 Black Hawk Circle, Downingtown, Pa. 19335.
- KMENTA, PROF. JAN, b. Czech, Jan. 3, 28; U.S. citizen; m. 59; c. 2. ECONOMICS. B.S.Econ, Sydney, 55; M.A. Stanford, 59, Ph.D.(econ), 64. Lectr. ECON, New South Wales, 57-60; Sydney, 60-62, sr. lectr, 62-63; acting asst. prof, Stanford, 62-63; res. assoc. soc. systs. res. inst, Wisconsin, 63-64, asst. prof, univ, 64-65; assoc. prof, MICHIGAN STATE, 65-68, PROF, 68-Econ. Assn; Statist. Assn; Economet. Soc. Econometrics. Publ: Elements of econometrics, Macmillan, 70; An econometric model of Australia, 1948-61, *Australian Econ. Papers*, 12/66; On estimation of the CES production function, *Int. Econ. Rev.*, 6/67. Address: Dept. of Economics, Michigan State University, East Lansing, Mich. 48823.
- KNAAK, PROF. NANCY K(ATHERINE). Guidance, Psychology. See A-K Vol, 11th ed, Soc. & Behav. Vols. Change of address: Box 844, Lakeland, Minn. 55043.
- KNAPP, DR. JOSEPH G(RANT). Agricultural Economics. See A-K Vol, 11th ed, Soc. & Behav. Vols. New publ: The rise of American cooperative enterprise, 1620-1920, Interstate, 69. Address: 7119 Fairfax Rd, Bethesda, Md. 20014.
- KNAPP, DR. PEARL G(ILLILAND). Psychology. See BRISCOE, DR. PEARL KNAPP, this Suppl.
- KNAPP, DR. RONALD G(ARY), b. Pittsburgh, Pa, Aug. 15, 40; m. 68; c. 2. GEOGRAPHY. B.A. Stetson, 62; Woodrow Wilson, Andrew Mellon & Nat. Defense Ed. Adm., Pittsburgh, 62-68, Ph.D.(geog), 68. ASST. PROF. GEOG. STATE UNIV. N.Y. COL. NEW PALTZ, 68-, res. found. fel, 70. Assn. Am. Geog. Assn. Asian Studies. Historical geography of China; changes in economic and social patterns in Taiwan. Address: Dept. of Geography, State University of New York, College at New Paltz, New Paltz, N.Y. 12561.
- KNAPPENBERGER, DR. HERBERT ALLAN. Industrial Engineering, Applied Statistics. See Suppl. VI to 11th ed, Phys. & Biol. Vols.
- KNEHR, PROF. CHARLES ANTHONY. Psychology. See A-K Vol, 11th ed, Soc. & Behav. Vols. Correction: From asst. prof. to prof, 49-, chmn. dept. psychol, 68-, Lehman College, City University of New York, Bedford Park Blvd. W, New York, N.Y. 10468.
- KNEIER, PROF. CHARLES M(MAYARD). Government. See A-K Vol, 11th ed, Soc. & Behav. Vols. Change of address: P.O. Box 1466, Carmel, Calif. 93921.
- KNETSCH, DR. JACK LOUIS. Economics. See A-K Vol, 11th ed, Soc. & Behav. Vols. New information: Also prof. econ, 67-, Natural Resources Policy Center, George Washington University, 810 Henry Bldg, Washington, D.C. 20006.
- KNIGHT, PROF. HOMER T. Philosophy. See 5th ed, Dir. Am. Scholars, Vol. IV, Philos, Relig. & Law.
- KNIGHT, DR. THOMAS JOSEPH. Modern European History. See 5th ed, Dir. Am. Scholars, Vol. I, History.
- KNITTEL, DR. MARVIN. Psychology, Education. See A-K Vol, 11th ed, Soc. & Behav. Vols. New information: Also head, 69-, Dept. of Counseling & Educational Psychology, Kearney State College, Kearney, Nebr. 68847.
- KNOPP, DR. WALTER. Psychiatry. See Suppl. VI to 11th ed, Phys. & Biol. Vols.
- KNOTT, DR. PAUL D. b. Dallas, Tex, Jan. 2, 41; m. 63; c. 1. PSYCHOLOGY. B.A. Southern Methodist, 63; Ph.D.(psychol), Vanderbilt, 67. ASST. PROF. PSYCHOL, DENVER, 67- Psychol. Assn. Social learning and educational variables in the development of human aggressive behavior. Publ: Co-auth. Measure of interpersonal dominance, *Behav. Res. Methods*, 4/69; auth. On the manpower problem and graduate education in clinical psychology, *Am. Psychologist*, 7/69; co-auth. Comparison of food and morphine deprivation on wheel activity, *Psychonomic Sci*, 10/69. Address: Dept. of Psychology, University of Denver, Denver, Colo. 80210.
- KNOWLES, PROF. WILLIAM H(ENRY). Economics. See A-K Vol, 11th ed, Soc. & Behav. Vols. New position & address: Chmn, 69-, Dept. of Economics, Washington College, Chestertown, Md. 21620.
- KNOWLES, PROF. YERETH K. b. Hartsdale, N.Y. Nov. 17, 20; m. 42; c. 2. POLITICAL SCIENCE. B.A. Wisconsin, 42, fel. & M.A. 45. Asst. prof. polit. SCI, Inter-Am. Univ. P.R. 61-67, ASSOC. PROF. 68-69; UNIV. OF THE PACIFIC, 69- Polit. Sci. Assn. Regional cooperation in the Caribbean—a functional approach to the study of organizations of the area. Publ: Caribbean cooperation, *Pac. Historian*, 5/70. Address: Dept. of Political Science, Covell College, University of the Pacific, Stockton, Calif. 95204.
- KNOWLTON, DR. JAMES Q(UNCI). Psychology. See A-K Vol, 11th ed, Soc. & Behav. Vols. New position: Prof. ed, 68-, Audio-Visual Communications Center, Indiana University, Bloomington, Ind. 47401.
- KNOX, PROF. J(OHN) B(ALLENGER). Sociology. See A-K Vol, 11th ed, Soc. & Behav. Vols. New position & address: Prof, 69-, Director of Social Sciences, Jacksonville University, University Ave, Jacksonville, Fla. 32211.
- KNOX, DR. WILLIAM ELLIOTT, b. New York, N.Y. Nov. 30, 30; m. 54; c. 3. SOCIOLOGY. B.A., Calgate, 55; Woodrow Wilson fel. & Ph.D.(sociol), Cornell, 65. Instr. SOCIOL, NORTH CAROLINA, GREENSBORO, 63-65, ASST. PROF, 65- U.S.A.F. 60-63, 1st Lt. Sociol. Assn. Social organization; sociological psychology and socialization; sociology of the family; evaluation of educational, therapeutic, and correctional institutions; survey analysis. Publ: Solidarity, interaction and activities of older parents and children in an urban industrial context, *Proc. Int. Gerontol. Cong.*, 66; The structural bases of address and reference in a bounded setting, *Sociol. Quart.*, 69; co-auth. A discontinuity in the socialization of males in the contemporary United States, *Merrill-Palmer Quart.*, 70. Address: Dept. of Sociology, University of North Carolina at Greensboro, Greensboro, N.C. 27412.
- KNUDSEN, DR. ROBERT DONALD. Philosophy, Theology. See 5th ed, Dir. Am. Scholars, Vol. IV, Philos, Relig. & Law.
- KNUDSEN, PROF. WILLIAM J, JR. Law. See 5th ed, Dir. Am. Scholars, Vol. IV, Philos, Relig. & Law.
- KNUDSON, DR. DOUGLAS MARVIN. Forest Economics, Silviculture. See Suppl. V to 11th ed, Phys. & Biol. Vols.
- KNUDTEN, DR. RICHARD D. Sociology. See A-K Vol, 11th ed, Soc. & Behav. Vols. New position: Prof. & chmn, Dept. of Sociology, Valparaiso University, Valparaiso, Ind. 46383.
- KNUSEL, DR. JACK L(ONARD), b. Milwaukee, Wis, Dec. 22, 23; m. c. 2. ECONOMICS. B.A.B.A. Spencerian Coll, 48; B.A. Denver, 51, M.A., 52; Inst. Int. Ed. fel, Swiss Sch. Soc. Sci. & Econ, 52-53; univ. fel, Colorado, 63-65, Ph.D.(econ), 65. Instr. pub. schs. Wis, 53-56; ECON, Wisconsin-Milwaukee, 56-58; Milwaukee Tech. Coll, 58-60; asst. prof, Northwest Mo. State Coll, 60-63; teaching assoc, Colorado, 63-65; ASSOC. PROF, WIS. STATE, WHITEWATER, 65- U.S.A.A.F. 43-46. Econ. Assn. International economics; economic development; regional economics. Publ: Best German aid to developing nations, *Prager*, 68. Address: Dept. of Economics, Wisconsin State University, Whitewater, Wis. 53190.
- KNYSH, DR. GEORGE DEMETRIUS, b. Cracow, Poland, Oct. 8, 40; Can. citizen. POLITICAL SCIENCE, HISTORY. B.A. Manitoba, 59, D.V. Snider Mem. fel. & M.A., 62; Ph.D.(polit. sci), London, 68. Lectr. POLIT. SCI,

- MANITOBA, 64-67, asst. prof., 67-70, ASSOC. PROF., 70-71. Can. Polit. Sci. Assn. Methodology of politico-historical sciences; philosophy and history of political thought, with special interest in medieval, modern and twentieth century developments; political doctrines of historical East European state formations. Address: 500 Dysart Rd, Ft. Garry 19, Winnipeg, Man, Can.
- KOBAYASHI, DR. TERUO. Political Science. See A-K Vol, 11th ed, Soc. & Behav. Vols. New position: Assoc. prof., 69-, Dept. of Political Science, Elmira College, Elmira, N.Y. 14901.
- KOCH, DR. JAMES VERCH, b. Springfield, Ill, Oct. 7, 42; m. 67. ECONOMIC. B.A., Illinois State, 64; Ph.D.(econ), Northwestern, 68. Res. economist, Harris Bank, Chicago, Ill, 66; ASST. PROF. ECON, ILLINOIS STATE, 67-Econ. Asst; Statist. Assn. Market structure and industry growth rates; economic analysis of drug law enforcement. Publ: The homogeneity assumption and financial asset demand functions, Quart. Rev. Econ. & Bus, winter 68; A critique of positive economics, J. Econ. & Social, spring 70; Another look at price discrimination in an imperfect world, Miss. Valley Rev. Econ. & Bus, 6/70. Address: Dept. of Economics, Illinois State University, Normal, Ill. 61761.
- KOCHMAN, DR. THOMAS MICHAEL. Anthropological Linguistics. See 5th ed, Dir. Am. Scholars, Vol. III, For. Lang. Ling. & Philol.
- KOECHER, DR. JOHN WILLIAM, b. Sturgis, Mich, Aug. 7, 36; m. INDUSTRIAL & CLINICAL PSYCHOLOGY. B.A., Antioch Coll, 59; M.A., Vanderbilt, 61; Ph.D., Houston, 64. Chmn. dept. psychol., Moorhead State Col, 64-66; sr. exec. Kemper Ins. Co, Chicago, Ill, 66-68; CHMN. DEPT. MGT, LOYOLA (ILL), 68- Psychol. Assn. Personnel selection and training. Address: Dept. of Management, Loyola University, 820 N. Michigan, Chicago, Ill. 60611.
- KOENIG, DR. LINDA MIRIN, b. New York, N.Y. Feb. 22, 39; m. 68. ECONOMIC. POLITICAL SCIENCE. B.A., Radcliffe Col, 59; Ph.D.(econ. & polit. sci.), Harvard, 64. ECONOMIC. Inter-Am. Develop. Bank, 64-67; INT. MONETARY FUND, 67- Econ. Asst; Polit. Sci. Assn. Economic policy, especially development and political processes; regional specialization: Latin America. Address: 7604 Glennon Drive, Bethesda, Md. 20034.
- KOEPEL, DR. JOHN C. Experimental Psychology. See Suppl. VI to 11th ed, Phys. & Biol. Vols.
- KOEPPEN, PROF. DONALD B, b. Walworth, Wis, Jan. 26, 22; m. 50; c. 4. BUSINESS ADMINISTRATION. B.E., Wisconsin State-Whitewater, 50; M.S., Wisconsin, Madison, 54, Ph.D.(bus. ed), 66. Teacher pub. schs, Wis, 50-56; asst. prof. BUS. ED, Wisconsin State-Whitewater, 56-61; PROF. & CHMN. DEPT. 61-67; MONTANA, 67- U.S.A.A.P., 43-45, 1st Lt. Voc. Assn; Nat. Bus. Ed. Assn; Nat. Assn. Bus. Teacher Ed; Data Processing Mgt. Assn. Vocational business education programs. Address: Dept. of Business Education, University of Montana, Missoula, Mont. 59801.
- KOGAN, DR. NATHAN. Psychology. See A-K Vol, 11th ed, Soc. & Behav. Vols. New position & address: Chmn. dept. psychol., 69-, Graduate Faculty, New School for Social Research, 66 W. 12th St, New York, N.Y. 10011.
- KOH, DR. SOON DUK. Psychology. See A-K Vol, 11th ed, Soc. & Behav. Vols. Change of address: 6007 N. Sheridan Rd, Apt. 10-B, Chicago, Ill. 60626.
- KOH, DR. TONG-HE CHOO. Psychology. See A-K Vol, 11th ed, Soc. & Behav. Vols. Change of address: 6007 N. Sheridan Rd, Apt. 10-B, Chicago, Ill. 60626.
- KOHFELD, DR. DAVID LLOYD. Experimental Psychology. See A-K Vol, 11th ed, Soc. & Behav. Vols. New position & address: Assoc. prof., 69-, Dept. of Psychology, Southern Illinois University, Edwardsville, Ill. 62025.
- KOHL, DR. SEENA B, b. New York, N.Y. May 24, 30; m. 50; c. 4. CULTURAL ANTHROPOLOGY. B.A., San Francisco State Col, 56; M.A., Washington (St. Louis), 64. Nat. Inst. Ment. Health grant, 64-66. Ph.D.(anthrop), 69. Instr. ANTHROP. WEBSTER COL, 66-68, ASST. PROF., 68- Dept. Health, Ed. & Welfare grant for summer seminar in Southeast Asia, summer 69. Anthropol. Assn; Ethnol. Soc. Relationship between family dynamics and kinship to economic development and entrepreneurial behavior; impact of social structural constraints upon learning. Publ: Co-auth, Two memoirs on social organization and adaptive selection in a northern plains region, Plains Anthropologist, 63 & Kinship, succession and migration of young people in a Canadian agricultural community, Int. J. Comp. Social, 65. Address: Dept. of Social & Behavioral Sciences, Webster College, St. Louis, Mo. 63119.
- KOHLAN, DR. RICHARD GEORGE, b. Minneapolis, Minn, Oct. 5, 38; m. 60; c. 2. PSYCHOLOGY. Ph.D.(psychol), Minnesota, 66. Asst. prof. psychol., Calif. State Polytech. Col, 66-69; ASST. PROF. DIR. VOC. TECH. PROJ., ED. TESTING SERV., 69- Ed. consult, New Scholar, 69-70. U.S.N., 56-58. Psychol. Assn; Personnel & Guid. Assn; Ed. Res. Assn. Education and society; teaching and learning. Publ: Relationships between inventoried interests and inventoried needs, Personnel & Guid. J, 68; co-auth, The tranquil society or why LSD?, Teachers Col. Record, 69; Beh. Real, Opus, 69. Address: Educational Testing Service, Princeton, N.J. 08540.
- KOHLBERG, DR. ROBERT J, b. Milwaukee, Wis, May 11, 37; m. 57; c. 3. PSYCHOLOGY. B.S., Milwaukee Sch. Eng, 61; M.S., Wisconsin-Milwaukee, 63; Ph.D.(psychol), California, Los Angeles, 68. ASST. PROF. PSYCHOL., WASHINGTON (SEATTLE), 68- Psychologist, Fircrest Sch, summer 69. Psychol. Assn; Inst. Elec. & Electronics Eng. Behavior modification; psychophysiology; psychopharmacology. Publ: Recovery of a conditioned emotional response after electroconvulsive shock, J. Comp. & Physiol. Psychol., 68. Address: Dept. of Psychology, University of Washington, Seattle, Wash. 98105.
- KOHL, PROF. RICHARD L(OUTS). Agricultural Economics. See A-K Vol, 11th ed, Soc. & Behav. Vols. Change of address: 1520 Woodland Ave, West Lafayette, Ind. 47906.
- KOHN, DR. MELVIN L(ESTER). Sociology. See A-K Vol, 11th ed, Soc. & Behav. Vols. Publ: Class and conformity: a study in values, Dorsey, 69. Address: National Institute of Mental Health, Bethesda, Md. 20014.
- KOKAT, DR. ROBERT GEORGE. Economics. See A-K Vol, 11th ed, Soc. & Behav. Vols. Change of address: International Business Machines Corp., 6400 Goldsboro Rd, Washington, D.C. 20034.
- KOLASA, DR. BERNARD DANIEL, b. Erie, Pa, Apr. 21, 38. POLITICAL SCIENCE. B.A., Gannon Col, 60; M.A., Nebraska, 62, Ph.D.(polit. sci), 69. ASST. PROF. POLIT. SCI., NEBRASKA, OMAHA, 68- U.S.A.R., 64-66, Capt. Polit. Sci. Assn; Acad. Polit. & Soc. Sci. American legislative process, especially on state level from a comparative perspective. Publ: Churches feel tax squeeze, America, 8/64; Interstate compact and congress: the New York Port Authority case, Inc. Grass roots: readings in state and local government, Scott, 68; Nebraska: government and history, In: American Peoples Encyclopedia, Grolier, rev. ed, 70. Address: Dept. of Political Science, University of Nebraska at Omaha, Omaha, Nebr. 68101.
- KOLB, DR. DAVID ALLEN, b. Moline, Ill, Dec. 12, 39. SOCIAL PSYCHOLOGY. A.B., Knox Col, 61; M.A., Harvard, 64. Ph.D.(soc. psychol), 67. Asst. prof. ORGN. PSYCHOL. & MGT, MASS. INST. TECH., 65-70, ASSOC. PROF., 70- Psychol. Assn. Individual and social change; organization development. Publ: Co-auth, Organizational psychology: an experiential approach, Prentice-Hall, 70; Goal-setting and self-directed behavior change, Human Rel., On the dynamics of the helping relationship, J. Appl. Behav. Sci., 70. Address: ES2-588, Massachusetts Institute of Technology, 50 Memorial Dr, Cambridge, Mass. 02139.
- KOLE, DR. CHRISTIAN. Psychiatry. See A-K Vol, 11th ed, Soc. & Behav. Vols. New position: Dir. Treatment Center for Family Living, 69- Address: Box 615, Mercer Island, Wash. 98040.
- KOLE, DR. THEODORE. Psychology. See A-K Vol, 11th ed, Soc. & Behav. Vols. New position: Pres, Elisar Res. Corp. New York, 69- Address: 4 Grover Terr, Glen Rock, N.J. 07452.
- KOLENDA, PROF. PAULINE MAHAR. Anthropology. Sociology. See A-K Vol, 11th ed, Soc. & Behav. Vols. New position: Prof. anthrop, 69-, Dept. of Sociology & Anthropology, University of Houston, Houston, Tex. 77004.
- KOLKOWICZ, PROF. ROMAN, b. Poland, Nov. 15, 29; U.S. citizen; m. 55; c. 3. POLITICAL SCIENCE. B.A., Buffalo, 54; M.A., Chicago, 58, Ph.D.(polit. sci), 65. Lectr. Russian hist, Chicago, 57-58; instr. govt. Chicago City Jr. Col, 59-61; staff mem, Rand Corp, 61-66; sr. res. assoc. Inst. Defense Anal, 66-70; PROF. POLIT. SCI., CALIFORNIA, LOS ANGELES, 70- Vis. prof, George Washington, 58-69; City Univ. New York, 66-67; Virginia, 67-68. Consult. Com. For. Rel., 69-70. U.S.A., 54-56. Polit. Sci. Assn; Acad. Soc. Sci. Int. Studies Assn. International organizations and systems; comparative politics; political sociology; Soviet and East European politics; strategy and conflict theories. Publ: The Soviet military and Communist party, 67 & co-auth, Interests groups in Soviet politics, 70, Princeton Univ; auth, The Soviet Union and arms control: a dilemma of superpower, Johns Hopkins, 70. Address: Dept. of Political Science, University of California, Los Angeles, Calif. 90032.
- KOLLER, PROF. ERNST FRANK. Geography. See A-K Vol, 11th ed, Soc. & Behav. Vols. New position & address: Prof, 69-, Dept. of Geography, Fresno State College, Fresno, Calif. 93726.
- KOMARINSKY, DR. JAROSLAW, b. Mykhajlivka, Ukraine, Jan. 25, 20; U.S. citizen; m. 60; c. 2. FINANCE. B.S., Ukrainian Tech. Univ, 49; LaSalle Exten. Univ, 54-57; M.B.A., Mich. State, 60; Ph.D.(finance), Illinois, 67. Security analyst, Continental Int. Nat. Bank & Trust Co, Chicago, 60-63; asst. prof. FINANCE, Toledo, 66-69; ASSOC. PROF., NORTHERN ILLINOIS, 69-Econ. Assn; Finance Assn. Investment theory and management; financial leverage and the rate of return on common equity; conglomerates: stockholders and public interests; investment experience of commercial bank common stocks in the 1960's. Address: Dept. of Finance, Northern Illinois University, DeKalb, Ill. 60115.
- KOMISARUK, DR. BARRY R. Neurophysiology. See 12th ed, Phys. & Biol. Vols.
- KONNETZKO, DR. KURT OTTO. Psychology, Penology. See A-K Vol, 11th ed, Soc. & Behav. Vols. New position: Dir. Inst. For Living, Inc, 70- Address: 117 Spring Lane, Harbor, Pa. 19040.
- KONIGSBURG, DR. DAVID. Psychology. See A-K Vol, 11th ed, Soc. & Behav. Vols. New position: Dir. personnel & planning, Prudential Ins. Co, 69- Address: 9424 Conifer Rd, Jacksonville, Fla. 32217.
- KONTOS, PETER GEORGE. History. See 5th ed, Dir. Am. Scholars, Vol. I, Hist.
- KOO, DR. SHOU ENG. Economics. See A-K Vol, 11th ed, Soc. & Behav. Vols. Change of address: 4130 N. Riley Ave, Indianapolis, Ind. 46226.
- KOOL, DR. BEVERLY YVONNE, b. Port Arthur, Tex, Jan. 24, 32; m. 53; c. 3. EDUCATIONAL PSYCHOLOGY. B.A., Colorado, 56, M.A., 61; Ph.D.(ed. psychol), Arizona State, 66. Teacher, pub. schs, 57-61; RES. SCIENTIST ED. TECH. SYST. DEVELOP. CORP., 66- Lectr., California, Los Angeles, summer 68. W.A.V.E.S., U.S.N., 52-53. Psychol. Assn; Ed. Res. Assn; Nat. Coun. Measurement in Ed. Applications of computers to education; development of effective instructional materials and procedures; implementing individualized instruction. Publ: Co-auth, Spelling errors and the serial position effect.

- grant, 64; Ph.D.(econ), Wisconsin, 65. Instr. ECON, Washington (St. Louis), 58; asst. prof. San Jose State Col, 65-66; DREXEL, 66-69, ASSOC. PROF, 69- Ford Found. grants, 67-68 & 69-70; U.S. Dept. Labor grant, 68-69. U.S.A. 59-61. Econ. Asst. Indust. Rel. Res. Asn. Manpower, especially employer evaluations of training programs, non-participation in poverty areas, relocation allowances; public employee organization; labor-management relations on local, state and federal levels. Publ: Co-auth. The Negro in the hotel industry, Univ. Pa., 68. Collective bargaining in public employment, Random, 70 & Development of relocation allowances as manpower policy, Indust. & Labor Rel. Rev, 10/66. Address: Dept. of Economics, Drexel University, Philadelphia, Pa. 19104.
- KOZMETSKY, DR. GEORGE. Business Administration. See A-K Vol, 11th ed, Soc. & Behav. Vols. New information: Also clin. prof. biotech, 66-, University of Texas at Austin, Austin, Tex. 78712.
- KRADER, PROF. LAWRENCE. Anthropology. See A-K Vol, 11th ed, Soc. & Behav. Vols. New position: Gen. secy. Int. Union of Anthropol. & Ethnol. Sci, 69-. Address: 205 W. 89th St, New York, N.Y. 10024.
- KRAENZEL, PROF. CARL F (FREDERICK). Rural Sociology. See A-K Vol, 11th ed, Soc. & Behav. Vols. New position & address: H.Y. Benedict prof. sociol, 68-, Dept. of Sociology, University of Texas at El Paso, El Paso, Tex. 79999.
- KRAESEL, PROF. ALFREDO, b. Vienna, Austria, Mar. 23, 19; U.S. citizen; ECONOMICS, SOCIOLOGY. A.B. San Marcos Univ, Lima, 44, M.Econ, 45, Ph.D. 48. In business econ. res, inter-govt. Cmn. Refugee Mission to Peru, 46-47; lectr. San Marcos Univ, Lima, 47-48; gen. secy. Mich. State Col, 48-49; asst. prof. econ. & sociol, Bridgeport, 49-53; econ. develop. & cultural change, Chicago, 53-54; Seton Hall, 54-57; Ithaca Col, 57-59; assoc. prof. ECON, SETON HALL, 59-64, PROF, 64-. Res. assoc. Nat. Planning Assn. Eval. Tech. Coop. Latin Am, Univ. Chicago, 53-54; asst. prof. Rutgers, 54-57; Buffalo, 57-59; Ford faculty fel., Princeton, 61. Mem. Mission to Chile, Argentina, Uruguay, Bolivia & Brazil, 47. AAAS; Econ. Asn. Nat. Planning Assn. Economic development; terms of trade and consumption function; applied programming strategies; operational research. Address: Dept. of Economics, Seton Hall University, South Orange, N.J. 07079.
- KRAFT, DR. CHARLES H. Linguistics, Anthropology. See 5th ed, Dir. Am. Scholars, Vol. III, For. Lang. Ling. & Philol.
- KRAFT, DR. WILLIAM F (FREDERICK). Psychology. See A-K Vol, 11th ed, Soc. & Behav. Vols. New information: Dir. psychol. serv. Dixmont State Hosp, 68-; adj. prof. psychol, Carlow Col. Address: Dixmont State Hospital, Glenfield, Pa. 15115.
- KRAHMER, DR. EDWARD F (FREDERICK), b. St. Paul, Minn, Jan. 9, 39; m. 63. EDUCATION, STATISTICS. B.A. Denver, 61; B.S. Wis. State, River Falls, 63; M.S. Mankato State Col, 64; Ed.D.(statist. ed. psychol), Colo. State Col, 65. Teacher, St. James Sch, Minn, 62; high sch, Wis, 63-64; asst. prof. ED. RES, N.Dak. Col, 65-66; Res. Asst. Unit Voc. Ed., UNIV, N.Dak, 65-66; ASSOC. PROF, 68-. Dir. bur. ed. & serv. Univ. North Dakota, 66-68; ed. res. training prog. rural ed, U.S. Off. Ed, 66-; eval. specialist, Title III proj., 66-; state evaluator & disseminator, Elem. & Sec. Ed. Act contract with N.Dak. State Dept. Pub. Instr., 69-. Eval. consult, Upper Red River Valley Ed. Serv. Center, 67-. Chmn. res. cmm. Nat. Fedn. Improvement Rural Ed, 67-. Res. Asst. Nat. Coun. Measurement in Ed. Application of educational research findings into practice; the communication gap in educational information, particularly as it relates to rural regions. Publ: North Dakota Title III ESEA evaluation and need assessment, Univ. North Dakota, 69. A computerized approach to calculating interaction analysis observation matrices and ratios, Ed. & Psychol. Measurements, spring 69; co-auth. Local school expenditures and educational quality: a correlation analysis, Am. J. Agr. Econ, 12/69. Address: Dept. of Education, University of North Dakota, Grand Forks, N.Dak. 58201.
- KRALI, DR. VITA. Clinical Psychology. See A-K Vol, 11th ed, Soc. & Behav. Vols. New position: Dir. training in clin. psychol, 69-, Michael Reese Hospital & Medical Center, 29th St. & Ellis Ave, Chicago, Ill. 60616.
- KRAMER, DR. DANIEL C, b. Chicago, Ill, Sept. 23, 34; m. 60; c. 2. POLITICAL SCIENCE. A.B. Kenyon Col, 55; London Sch. Econ, 56-57; LL.B. Harvard, 59; M.A. Pennsylvania, 63; Ph.D.(polit. sci), 64. ASST. PROF. POLIT. SCI, Illinois, 64-67; RICHMOND COL. (N.Y.), 67-. Law & Society Asn; Polit. Sci. Asn. Public law; political and legal thought. Publ: State sovereignty: the red herring in the debate over secession, Soc. Sci., 6/67; Right to denounce public officials in England and the United States, J. Pub. Law, 68; White vs black in England, Soc. Res, winter 69. Address: Division of Social Science, Richmond College, 130 Stuyvesant Place, Staten Island, N.Y. 10301.
- KRAMER, DR. HUGH EDGAR. Economics. See A-K Vol, 11th ed, Soc. & Behav. Vols. New position & address: Vis. assoc. prof. mkt, 69-, College of Business Administration, University of Hawaii, Honolulu, Hawaii 96822.
- KRAMER, PROF. JOHN E, JR. Sociology. See A-K Vol, 11th ed, Soc. & Behav. Vols. New position: Prof, 69-, Dept. of Sociology, State University of New York at Brockport, Brockport, N.Y. 14420.
- KRAMISH, DR. ARTHUR A (ARON). Clinical Psychology. See A-K Vol, 11th ed, Soc. & Behav. Vols. New position: Asst. assoc. regional health dir. for manpower, bur. health professions ed. & manpower training, Nat. Insts. Health, 68-. Address: 9215 Cherokee Lane, Leawood, Kans. 66206.
- KRANER, DR. ROBERT EUGENE, b. Los Fresnos, Tex, Oct. 2, 33; m. 58; c. 3. COUNSELING, EDUCATIONAL PSYCHOLOGY. B.S. Abilene Christian Col, 54, M.Ed., 59; Ed.D.(counseling & personnel admin), North Texas State, 63. Teacher, pub. schs, Tex, 54-59, adminstr, 59-61; instr. ed. & psychol, North Texas State, 61-63; asst. prof. & coordinator of guid. & counseling, West. State Col, 63-64; asst. prof. ED. PSYCHOL, ARIZONA, 64-67, ASSOC.
- PROF, 67-, CHMN. DEPT. SCH. PSYCHOL, 68-. Coordinator eval. serv., Epic Eval. Center, 67-68, asst. dir. admin, 68-70. U.S.A. 55-57. Psychol. Asn; Ed. Res. Asn. Measurement and evaluation; measurement of human behavior; development and implementation of a comprehensive structure and scheme for evaluating the effectiveness of instruction. Publ: Co-auth. Developing and writing behavioral objectives, 68 & A structure and scheme for evaluation, 68, Ed. Innovators; Evaluating with behavioral objectives, Jones Pub, 69. Address: 7425 E. Kenyon, Tucson, Ariz. 85710.
- KRAUS, PROF. PHILIP E (LLIS). Educational Psychology. See A-K Vol, 11th ed, Soc. & Behav. Vols. Change of address: 40 E. 84th St, New York, N.Y. 10028.
- KRAUSE, DR. ANNEMARIE E. Geography. See A-K Vol, 11th ed, Soc. & Behav. Vols. New information: Prof. & chmn, 69-, Dept. of Geography, Andrews University, Box 110 University Station, Berrien Springs, Mich. 49104.
- KRAUSE, DR. KENNETH R. Economics, Agricultural Economics. See A-K Vol, 11th ed, Soc. & Behav. Vols. New position: Leader spec. financial anal, 69-, Economics Research Service, U.S. Dept. of Agriculture, Room 4918, FRED, Washington, D.C. 20024.
- KRAUSE, DR. RICHARD A, b. Grand Island, Nebr, June 26, 38; m. 64; c. 1. ANTHROPOLOGY. B.A. Nebraska, 61, M.A., 62; Ph.D.(anthrop), Yale, 67. Instr. anthrop, Nebraska, 66-67; asst. prof. Ohio State, 67-68; ASST. PROF. ANTHROP. & DIR. AM. ARCHAEOLOGICAL, MISSOURI-COLUMBIA, 68-. Mem. bd. dirs, Plains Anthropologist, 68-69, v-pres. bd. dirs, 69-; Mo. coordinator, Miss. Alluvial Valley Archaeol. Prog, 69-. Fel. Anthropol. Asn. North American archaeology; archaeological method and theory; experimental archaeology; ethnohistory; culture change. Publ: Correlation of phases in Central Plains prehistory, In: Two house sites in the Central Plains, Memoir 6, Plains Anthropologist, 69. Some aspects of adaptation among Upper Republican subsistence cultivators, In: Kansas symposium on Pleistocene and Recent environments, Univ. Kansas, 70. Address: 15 Switzer Hall, University of Missouri-Columbia, Columbia, Mo. 65201.
- KRAUSE, PROF. WALTER. Economics. See A-K Vol, 11th ed, Soc. & Behav. Vols. New position: John F. Murray prof. econ, 68-, Dept. of Economics, University of Iowa, Iowa City, Iowa 52240.
- KRAUSHAAR, DR. OTTO F (FREDERICK). Philosophy. See 5th ed, Dir. Am. Scholars, Vol. IV, Philos. Relig. & Law.
- KRAUSKOPF, DR. CHARLES J (JOSEPH). Psychology. See A-K Vol, 11th ed, Soc. & Behav. Vols. New information: Also assoc. dir. testing & counseling, 68-, University of Missouri, 220 Parker Hall, Columbia, Mo. 65201.
- KRAUSS, DR. HERBERT HARRIS, b. Philadelphia, Pa, June 13, 40; m. 65; c. 1. PSYCHOLOGY. B.S. Pa. State, 61, M.S., 62; Ph.D.(psychol), Northwestern, 66. Intern med. psychol, med. sch, Oregon, 62-63; asst. prof. psychiat. med. center, Kansas, 66-67; asst. prof. psychiat. & chief psychol. officer, col. med, Ohio State, 67-69; ASSOC. PROF. PSYCHOL, GEORGIA, 70-. Psychol. Asn. Psychopathology; personality theory; psychopathology. Publ: Anxiety: the dread of a future event, In: New understandings of human behavior, Assoc. Press, 69; co-auth. A cross-cultural study of suicide, J. Abnorm. Psychol, 69; auth. Schizophrenia: a self-fulfilling, labelling process Psychobehav. Theory, Res. & Practice, 69. Address: Dept. of Psychology, University of Georgia, Athens, Ga. 30601.
- KRAUSS, DR. IRVING. Sociology. See A-K Vol, 11th ed, Soc. & Behav. Vols. New position & address: Assoc. prof, 69-, Dept. of Sociology, Northern Illinois University, DeKalb, Ill. 60115.
- KRAUSS, DR. MELVYN BARRY, b. New York, N.Y., Dec. 5, 38; m. 69. ECONOMICICS. B.A., Brooklyn Col, 61; M.A., N.Y. Univ, 65, Ph.D.(econ), 68. Instr. ECON, N.Y. Univ, 65-68; lectr, London Sch. Econ, 68-69; ASSOC. PROF, McMASTER, 69-. Vis. prof., Toronto, 69-70. Ed. Series on Int. Fiscal Harmonization, Amsterdam, 69-. Econ. Asn. International fiscal harmonization; public finance; international trade. Publ: Fiscal harmonization in the Benelux economic union, Int. Bur. Fiscal Documentation, Amsterdam, 69; Tax, harmonization and allocative efficiency in economic unions, Pub. Finance, 68; co-auth. Border taxes, Can. J. Econ, 70. Address: Dept. of Economics, McMaster University, Hamilton, Ont, Can.
- KRAUSS, PROF. MICHAEL E. Linguistics. See 5th ed, Dir. Am. Scholars, Vol. III, For. Lang. Ling. & Philol.
- KRAUSS, DR. ROBERT M (EYER). Social Psychology. See A-K Vol, 11th ed, Soc. & Behav. Vols. New position & address: Prof, 70-, Dept. of Psychology, Columbia University, New York, N.Y. 10027.
- KRAUSS, DR. WILMA R, b. Basin, Wyo, Sept. 19, 25; m. 50. POLITICAL SCIENCE. B.A. & M.A. California, Berkeley, 50; Nat. Defense Ed. Act fel., Hawaii, 66-68, Ph.D.(polit. sci), 68. Res. asst. indust. rels. Inst. Indust. Rel., California, Berkeley, 49-50, 53; res. assoc. indust. rels. center, Chicago, 50-53; teacher sec. schs, Calif, Hawaii, 55-65; res. asst. Soc. Sci. Res. Inst, 66; consult, Statewide Info. Syst, Hawaii, 68-69; ASST. PROF. POLIT. SCI, NORTHERN ILLINOIS, 69-. Coun. Acad. Deans res. grant, Northern Illinois, 69-70; summers, res. asst. com. admin. group, East-West Center, Univ. Hawaii, 66. Inter-Univ. Consortium Polit. Res. fel., Michigan, 68. Acad. Polit. & Soc. Sci; Polit. Sci. Asn; Soc. Pub. Admin. Development of empirical theory through the study of comparative political behavior. Publ: Co-auth. Business agent and his union, Inst. Indust. Rel., Univ. Calif, Berkeley, 54, rev. ed, 64; auth. The concept of political resources, Dept. Polit. Sci. Univ. Hawaii, 68; Differentiation of associations in Manila, 1929 and 1984, Philippine J. Publ. Admin, 10/66. Address: Dept. of Political Science, Northern Illinois University, DeKalb, Ill. 60115.
- KREINER, DEAN LEON W (ALLACE), b. Davey, Nebr, June 14, 32; m. 54; c. 4. PSYCHOLOGY, EDUCATION. B.Sc. Agr, Nebraska, 54, M.A., 62, Ed.D.

- Regional Manpower Adv. Cmt, Bur. Employ. Security, U.S. Dept. Labor, 60; chmn, Mch. Manpower Cmn, 69. U.S.N.R., 43-46, Lt. (sgt). Indust. Rels. Res. Asst; Econ. Assn. Manpower; collective bargaining. Publ: Co-auth, The role of the United States Employment Service in a changing economy, Upjohn Inst, 64 & Collective bargaining in the public service, Random, 69; contrib, Racial crisis in American education, Follett, 69. Address: 225 S. Kedzie Hall, Michigan State University, East Lansing, Mich. 48823.
- KRUS, DR. DONALD M. Psychology. See A-K Vol, 11th ed, Soc. & Behav. Vols. New position & address: Chmn. Dept. of Psychology, University of Massachusetts, Boston, Mass. 02113.
- KRUSE, DR. ARTHUR P(AUL). Political Science. See 11th ed, Soc. & Behav. Vols, deceased 68.
- KRUSE, DR. BRUCE T, b. Parkersburg, Iowa, Jan. 25, 31; m. 60; c. 3. AC-COUNTING. B.A. Northern Iowa, 51; M.A. Boston, 52; Ph.D. (econ). Vienna, 45. State, 64. Prof. ACCT, Iowa State, 62-68; ASSOC. PROF. WESTERN ILLINOIS, 68-. CHMN. DEPT., 69. U.S.A. 52-54. Address: Dept. of Accountancy, Western Illinois University, Macomb, Ill. 61455.
- KRUSSEFF, DR. WALJU G, b. Sofia, Bulgaria, July 8, 15; U.S. citizen; m. 53; c. 1. ECONOMICS. LAW. M.A. Sofia, 37 & 40; Ph.D. (econ). Vienna, 45. Law Absolutism, 49; Maryland & Catholic Univ. 59-61. Asst. chief dept. banking, Bulgarian Nat. Bank, 39-43; re-estab. officer, Int. Refugee Orgn, 51-52; researcher, Mid-European Studies Center, 53-55; col. instr. U.S. Army Lang. Sch. 56-57; training instr. For. Serv. Inst, 57-62; financial economist, Fed. Home Loan Bank Bd, 62-66; ACTING CHIEF OF STAFF, STATIST. DIV. INTER. REVENUE SERV., 66-. Econ. Asst, Statist. Asst. Collecting and analyzing economic data, drawing conclusions of analyzed research findings and writing reports; research methodology and projection techniques. Publ: Co-auth, Bulgarian Basic Course, 62 & Bulgarian Reader, 62, U.S. Dept. State; auth, Banks and credit institutions in Bulgaria, Library of Congress, 55. Address: 8728 Sleepy Hollow Lane, Potomac, Md. 20854.
- KRZYZANIAK, PROF. MARIAN. Economics. See A-K Vol, 11th ed, Soc. & Behav. Vols. New position: Henry Fox, Sr. prof. econ, 69-. Dept. of Economics, Rice University, Houston, Tex. 77001.
- KSHIRSAGAR, DR. ANANT MADHAV. Statistics, Operations Research. See Suppl. VI to 11th ed, Phys. & Biol. Vols.
- KUBANY, ALBERT JULES. Industrial Psychology. See A-K Vol, 11th ed, Soc. & Behav. Vols. New position: Dir. counseling & health, Gen. Motors Inst, 69-. Address: 4030 Sterling, Flint, Mich. 48504.
- KUBE, DR. ELLA. Psychology. See A-K Vol, 11th ed, Soc. & Behav. Vols. New position: Soc. res. analyst, Neighborhood Youth Corps, 69-. Address: 310 Mavis Dr, Los Angeles, Calif. 90065.
- KUBOSE, DR. SUNNAN KOYO, b. Los Angeles, Calif, Dec. 17, 41; m. 66. EXPERIMENTAL PSYCHOLOGY. B.A., California, Berkeley, 64; M.A., San Francisco State Col, 66; Ph.D. (child psych), 69. 69. Nat. Inst. Child Health & Develop. trainee, 67-69; ASST. PROF. PSYCHOL, NORTH CAROLINA, GREENSBORO, 69-. Soc. Res. Child Develop. Human learning and motivation. Publ: Co-auth, Preschool children's ratings of familiarized and nonfamiliarized visual stimuli, J. Exp. Child Psychol, 8: 74-81; co-auth, The correlation between amplitude and speed measures in children's lever-pulling behavior, 18: 83-84 & auth, The stimulus familiarization effect as a function of stimulus similarity, 18: 367-368, Psychonomic Sci. Address: Dept. of Psychology, University of North Carolina at Greensboro, Greensboro, N.C. 27412.
- KUBRIN, DR. DAVID CHARLES. History of Science. See 5th ed, Dir. Am. Scholars, Vol. I, Hist.
- KUEHN, DR. JOHN P, b. Cleveland, Ohio, Sept. 24, 42. AGRICULTURAL ECONOMICS. B.S., Rutgers, 64; M.S., Vermont, 66; Ph.D. (agr. econ), Tennessee, 69. ASST. PROF. AGR. ECON, WEST VIRGINIA, 69-. Agr. Econ. Asst; Econ. Assn. Livestock marketing. Address: Dept. of Agricultural Economics, West Virginia University, Morgantown, W.Va. 26506.
- KUENNE, DR. ROBERT EUGENE. Economics. See A-K Vol, 11th ed, Soc. & Behav. Vols. Change of address: 63 Bainbridge St, Princeton, N.J. 08540.
- KUENZLI, PROF. ALFRED EUGENE. Psychology. See A-K Vol, 11th ed, Soc. & Behav. Vols. Change of address: 512 N. Main St, Edwardsville, Ill. 62025.
- KUHN, DR. ROBERT LAWRENCE. Psychophysiology. See Suppl. VI to 11th ed, Phys. & Biol. Vols.
- KUHNS, DR. EDWARD DOUGLAS. Economics. See A-K Vol, 11th ed, Soc. & Behav. Vols. New position: Economist, Commun. Workers of Am, 68-. Address: 7808 Takoma Ave, Takoma Park, Md. 20012.
- KULKARNI, PROF. GOPAL SHRINIVAS, b. India, June 22, 27; m. 51; c. 2. GEOGRAPHY, REGIONAL PLANNING. B.Sc., Karnatak Univ, India, 60; M.Sc., Banaras Hindu Univ, 62; univ. fel. Poona, 53; univ. fel. Pittsburgh, 62-64, Fulbright travel award, 62-65, Ph.D. (urban geog.), Letzt. geog., Vivek Vardhini Col, India, 54-55; head dept. Neworji Wadia Col, India, 56-62, asst. prof. & head dept, 65-66; asst. prof. Ind. State Col, 64-65; geographer, Gokhale Inst. Polit. & Econ, Poona, India, 66-68; asst. prof. GEOG, INDIA UNIV, PA, 69-70, PROF, 70-. Nat. Sci. Found. fel, Ohio State, summer 65. Mem. land-use study group, Poona Metropol. Regional Planning Bd, India, 68-69. Treas. Ind. State Col, India, 69. Asst. Prof. Regional Sci. Assn. India. Regional development and planning, especially in developing areas of the world; development of urban infra-structure for industrial dispersal in backward regions; identification of growth centers for regional planning. Publ: Co-auth, Community cost of industrial location at Bombay and Nasik, Sicom, Bombay, 68, Agricultural regionalization of Maharashtra: a multivariate approach, Nat. Geog. Soc. Banaras, 68 & Effect of data transformation on the delineation of regions by the principal component method, Int. Geog. Congress, New Delhi, (in press). Address: Dept. of Geography, Indiana University of Pennsylvania, Indiana, Pa. 15701.
- KUNSTADTER, DR. PETER. Anthropology. See A-K Vol, 11th ed, Soc. & Behav. Vols. New position: Vis. assoc. prof, anthropol. prev. med, 69. Dept. of Preventive Medicine, University of Washington, Seattle, Wash. 98105.
- KUO, DR. YOU-YUH, b. Foochow, China, May 6, 33; m. 67; c. 1. EDUCATIONAL PSYCHOLOGY. B.A., Taiwan Norm. Univ, 56; M.A., Nat. Chengchi Univ, 58; M.Ed., Maryland, 63. Grant Found. fel, 65-66. Ed. D. (human develop. ed), 67. Sr. officer, dept. ed. & cult, Overseas Chinese Affairs Cmn, 58-61; asst. elem. ed, Maryland, 63-64; teacher, Md. Sch. Blind, 64-65; assoc. prof. develop. psychol, Bloomsburg State Col, 66-69; ASST. PROF. HUMAN DEVELOP. & ED. PSYCHOL, BALL STATE, 69-. Consult. Res. Media, Inc., N.Y., 69-. Mem. bd. dirs, Chinese-Am. Ed. Found., 68-. Chinese Army, 59-61, 2nd Lt. Psychol. Asst; Soc. Res. Child Develop. Develop. mental psychology; education; behavioral science. Publ: Studies on juvenile delinquency, Chia-Sheng Cement Co, Taiwan, China, 64; Creative thinking: delinquent vs. nondelinquent boys, J. Creative Behav, fall, 67. Auth. re-coding, Mental illness, delinquency, and creativity, Sound Sem. Div. Behav. Sci. Assoc., Cincinnati, distributed by McGraw, 68. Address: Dept. of Educational Psychology, Ball State University, Muncie, Ind. 47306.
- KUOKSA, PROF. GLADYS MARIA, b. Keewatin, Minn, Dec. 13, 31. SOCIOLOGY, SOCIAL PSYCHOLOGY. B.A., Wisconsin, 56; M.A., Western Reserve, 60; Ph.D. (social), Case Western Reserve, 68; Miami (Ohio), 69-70. Asst. prof. dir. for student study, Western Reserve, 63-64; asst. prof. SOCIOL, WEST. COL, 64-68, Assoc. prof, 68-70, PROF, 70-. Asst. prof, Maharani Col, Bangalore, India, 68-69. Sociol. Asst. Soc. Study Social Probs. Racial and cultural minorities, including untouchables in India; manifestations of personal power. Address: Dept. of Sociology, Western College, Oxford, Ohio 45056.
- KUPKE, PROF. HAROLD G, b. Keystone, Nebr., Nov. 4, 20; m. 52; c. 5. SOCIOLOGY. B.A., Concordia Sem, Mo, 45; M.A., Wayne, 56; Nat. Sci. Found. summer grants, Emery, 66, Missouri-Columbia, 67; Nebraska, Lincoln, 67-70, fel, 68-69. Clergyman, Lutheran Church,azine, Kans. 45-47; teacher, Lutheran High Sch, Mich., 48-54; Calif., 54-63; PROF. SOCIOL, CONCORDIA TEACHERS COL (NEBR), 69-. Instr. Univ. Nebraska, Lincoln, 68-69. Sociol. Asst. Soc. Sci. Study Relig. Youth beliefs and practices respecting courtship; religion and social change; religiosity and prejudice; religiosity and dogmatism. Address: Dept. of Sociology, Concordia Teachers College, Seward, Nebr. 68434.
- KUPPERMAN, DR. ROBERT (HARRIS). Applied Mathematics, Operations Research. See Suppl. V to 11th ed, Phys. & Biol. Vols.
- KURCZYNSKI, DR. THADDEUS WALTER. Human Genetics, Internal Medicine. See Suppl. VI to 11th ed, Phys. & Biol. Vols.
- KURTZ, DR. ALBERT K(ENNETH). Psychology, Statistics. See A-K Vol, 11th ed, Soc. & Behav. Vols. New information: Retired, 69. Address: Park Knowles Apartments, Apt. 418, Winter Park, Fla. 32789.
- KURTZ, PROF. DAVID L, b. Riverside, N.J., Feb. 19, 41; m. 67; c. 1. BUSINESS ADMINISTRATION, ECONOMICS. Davis & Elkins Col, 63; M.B.A., Arkansas, 65, Ph.D., 69. Instr. econ, Arkansas, 65-67; asst. prof. MKT, EASTERN MICHIGAN, 67-69, ASSOC. PROF, 69-. Mkt. Asst. Sales force management; sales recruiting. Publ: Co-auth, Some comments on national tax policy, Bus. & Soc, autumn 69; auth, Physical appearance and stature: important variables in sales recruiting, Personnel J., 32/69; Student attitudes toward a sales recruiting: a re-examination, J. Col. Placement, 12/69-1/70. Address: Dept. of Marketing, College of Business, Eastern Michigan University, Ypsilanti, Mich. 48197.
- KURTZ, PROF. PAUL. Philosophy. See 5th ed, Dir. Am. Scholars, Vol. IV, Philos. Relig. & Law.
- KURTZMAN, DR. DAVID H(AROLD). Political Science. See A-K Vol, 11th ed, Soc. & Behav. Vols. New information: Hon. L.H.D. Jefferson Med. Col, 68; hon. D.Sc. Pa. Col. Optometry, 69. Secy. ed, 69-. Dept. of Education, Commonwealth of Pennsylvania, 317 Education Bldg, Harrisburg, Pa. 17126.
- KURYLO, DR. WALTER. Public Administration, Economics. See A-K Vol, 11th ed, Soc. & Behav. Vols. New position: Chief state indust. liaison div, Dept. of Transportation Off. Pipeline Safety, 67-. Address: 3300 Military Dr., Falls Church, Va. 22044.
- KURZ, DR. RONALD BURTON. Psychology. See A-K Vol, 11th ed, Soc. & Behav. Vols. New position & address: Ed. affairs officer, 69-. American Psychological Associations, 1200 17th St, N.W., Washington, D.C. 20036.
- KUSHNER, DR. GILBERT, b. New York, N.Y., July 7, 33; m. 58; c. 3. SOCIAL ANTHROPOLOGY. B.A., City Col. New York, 54; M.A., Arizona, 58, Ph.D. (anthrop), 68; North Carolina, 58-61; Govt. of Israel award and Fulbright travel grant, Israel, 61-62. Instr. sociol. & anthrop, Houston, 62-66; asst. prof. ANTHROP, State Univ. N.Y., Col. Brockport, 68-69, ASSOC. PROF, 69-70; SOUTH FLORIDA, 70-. Qm.C. U.S.A., 54-56. Fel. Anthropol. Asst. fel. Soc. Appl. Anthropol. Complex societies; culture change; Israel; Anglo United States; archaeological interpretation. Publ: Co-auth, What accounts for sociocultural change? a propositional inventory, Inst. Res. Soc. Sci. Univ. North Carolina, 62; auth, Indians in Israel: guided change in a new-immigrant village, Human Orgn, 68; The anthropology of complex societies, In: Biennial review of anthropology, 1969, Stanford Univ., 68. Address: Dept. of Anthropology, University of South Florida, Tampa, Fla. 33620.
- KUTGER, DR. JOSEPH P, b. New York, N.Y., May 26, 17; m. 58; c. 2. POLITICAL SCIENCE. B.A., Philadelphia, 54; M.A., 55; Ph.D. (polit. sci.), Colorado, 61. Intel. res. officer, U.S. Air Force, 62-63; ops. res. officer, Off.

A. FORCE, DR. JAMES CLAYBURN, b. San Diego, Calif. Dec. 28, 28; m. 53; c. 2. ECONOMIC HISTORY. B.A. San Diego State Col. 51; M.A. California, Los Angeles, 58. Soc. Sci. Res. Coun. fel. 58-59 & 60-61. Ph.D. (econ). 62. Asst. prof. ECON. San Fernando Valley State Col. 60-62; CALIF. STATE COL. 62-63; 63-67. Asst. prof. 67-68. Asst. prof. 68-69. Spain & Am. Philos. Soc. grants 65-66. U.S.N.R. 50-54. Econ. Hist. Soc. San. Soc. Hist. Tech. Economic history in Spain. Publ.: The development of the Spanish textile industry, Univ. Calif. 3/65; Gresham's law and the Suffolk system: a misapplied epigram, Bus. Hist. Rev. summer 66; La política económica de los Reyes de España y el desarrollo de la industria textil (1474-1516), in *Estudios de historia económica*, winter 66. Dept. of Economics, University of California, Los Angeles, Calif. 90024.

- LaFORGE, PROF. (GENE) ROLFE. Psychology, Statistics. See L-Z Vol, 11th ed, Soc. & Behav. Vols. New position & address: Prof, 69-, San Francisco State College, 1600 Holloway Ave, San Francisco, Calif. 94132.
- LAI, DR. DAVID CHUEN-YAN, b. Canton, China, Sept. 16, 37; m. 68. GEOGRAPHY, ASIAN STUDIES. B.A., Hong Kong, 60, M.A., 64; Ph.D. (indust. geog.), London, 67. Tutor & demonstrators geog. & geol. Hong Kong, 60-64, lectr. econ. geog. & China, 67-68; econ. geog. VICTORIA (B.C.), 68-69. ASST. PROF. INDUST. GEOG. & CHINA, 69-. Can. Coun. Humanities & Soc. Sci. grant, 69-70. Industrialization in developing countries; economic development of China; cultural geography of China. Address: Dept. of Geography, University of Victoria, Victoria, B.C., Can.
- LADIG, PROF. KERMIT (McLELLAN). Geography. See L-Z Vol, 11th ed, Soc. & Behav. Vols. New position & address: Prof, 68-, Dept. of Geography, Shippensburg State College, Shippensburg, Pa. 17257.
- LAIME, DR. RALPH D. (BEN). Political Science. See L-Z Vol, 11th ed, Soc. & Behav. Vols. New information: Asst. prof. polit. sci., Providence Coll., 69-; asst. prof. dept. gen. ed., Maryland, 69-. Address: 166 Brookside Dr., North Kingstown, R.I. 02852.
- LAING, DR. JAMES D., b. New Brighton, Pa., Aug. 1, 35; m. 57; c. 4. POLITICAL SCIENCE. B.S., Rochester, 57; univ. fcls., Stanford, 62-63 & 65-66, summer, Soc. Sci. Res. Coun. fel., 64, Ph.D. (polit. sci.), 67. Instr. & res. asst. polit. sci. & social, Stanford, 63-66; acting asst. prof. polit. sci., 66-67. ASST. PROF. POLIT. SCI. & INDUST. ADMIN. CARNEGIE-MELLON, 67-. U.S.N., 57-62, Lt. Comdr. Polit. Sci. Asn.; Sociol. Asn. Organization theory and behavior; authority systems and evaluation processes in formal organizations; coalition formation. Publ.: Co-auth., Evaluation and authority, McGraw, (in press); Organizational evaluation and authority, Admin. Sci. Quart., 6/67. Address: Graduate School of Industrial Administration, Carnegie-Mellon University, Pittsburgh, Pa. 15213.
- LAING, PROF. LIONEL H(ASSELL). Political Science, International Law. See L-Z Vol, 11th ed, Soc. & Behav. Vols. Change of address: 966 Linkleas Ave, Victoria, B.C., Can.
- LAIR, PROF. CHARLES V(ASCA). Psychology. See L-Z Vol, 11th ed, Soc. & Behav. Vols. New position: Prof, 69-, Auburn University, Auburn, Ala. 36830.
- LAIR, DR. JESSE K., b. Briceville, Minn., Oct. 11, 26; m. 49; c. 5. PSYCHOLOGY, COMMUNICATIONS. B.S., Minnesota, 48, M.A., 64, Ph.D. (psychol.), 65. Mkt. consult., Jesse Lair Co., 56-62; instr. speech & Eng., Minnesota, St. Paul, 62-65, asst. prof., 65-66, ASSOC. PROF., 66-67; eng. MONTANA STATE, 67-69, ED. PSYCHOL., 69-. U.S.A.F., 44-45, Lt. Psychol. Asn.; Nat. Coun. Teachers Eng. College grading practices; evaluation of teaching effectiveness; methods of teaching college composition. Address: College of Education, Montana State University, Bozeman, Mont. 59715.
- LAIRD, DR. JAMES TYLER. Clinical Psychology. See L-Z Vol, 11th ed, Soc. & Behav. Vols. New information: Also chmn. dept. psychol., St. John's (Minn.), 70-. Address: P.O. Box 14, Little Falls, Minn. 56345.
- LAKOWSKI, DR. ROMUALD. Experimental Psychology. See 12th ed, Phys. & Biol. Vols.
- LAKSHMIKANTHAM, DR. VANGIPURAM. Mathematics. See Suppl. VI to 11th ed, Phys. & Biol. Vols.
- LAL, DR. AMRIT, b. Islampur, West Punjab, India, Mar. 17, 32; m. 59; c. 3. POLITICAL SCIENCE, PUBLIC ADMINISTRATION. B.A., Punjab, India, 52, M.A., 56; LL.B., Delhi, 54; Ph.D., N.Y. Univ., 66. Instr., Tennessee State, 64; asst. prof., Ala. State Col., 67-68; ASSOC. PROF. POLIT. & BEHAV. SCI., TUSKEGEE INST., 68-. Summer instr., Tennessee, 66. Participant, inter-univ. consortium summer prog. polit. res., Univ. Michigan, 69. Am. Polit. Sci. Asn.; Am. Soc. Pub. Admin.; Indian Soc. Polit. Sci.; Indian Inst. Pub. Admin. Asn. Soc. & Behav. Sci. Comparative administration; international relations; American government; Black political development. Publ.: Co-auth., American national government, W.C. Brown, 67; auth., National planning administration: a case study of India, Univ. Microfilms, 67; Reflections on America as a great society, J. Soc. & Behav. Sci., spring 68. Address: Division of Behavioral Science Research, Tuskegee Institute, Ala. 36088.
- LAL, DR. K(RISHAN). Economics. See L-Z Vol, 11th ed, Soc. & Behav. Vols. New position: Assoc. prof, 69-, Dept. of Economics, University of Saskatchewan, Saskatoon, Sask., Can.
- LALLY, DR. JOHN J(EROME), JR., b. New York, N.Y., Feb. 25, 36; m. 65; c. 1. SOCIOLOGY. B.S., Fordham, 57, M.A., 63; S.T.B., Gregorian Univ., 60; Ph.D. (sociol.), Columbia, 68. ASST. PROF. SOCIOL., LEHMAN COL., 68-. Res. assoc., Barnard Col., Columbia, 68-. Sociol. Asn. Soc. Sci. Study Relig. Sociological study of biomedical research using human subjects; psychiatrists, religious affiliation and the status-set theory. Publ.: A theology of conflict, Commonweal, 12/67. Address: 50 Marble Hill Ave, Bronx, N.Y. 10463.
- LA LONDE, DR. BERNARD J. Marketing, Economics. See L-Z Vol, 11th ed, Soc. & Behav. Vols. New position & address: James R. Riley prof. mkt. & logistics, 69-, College of Administrative Science, Ohio State University, 1775 S. College Rd., Columbus, Ohio 43210.
- LAMB, DR. DONALD WAYNE, b. Tyler, Tex., Apr. 10, 39; m. 67; c. 1. COUNSELING PSYCHOLOGY. B.S., North Texas State, 61, M.Ed., 63, Ed.D. (counseling), 68. Teacher, pub. schs., Tex., 61-65, counslr., 65-66; teaching fel. psychol., North Texas State, 66-68; COUNSLR., MEMPHIS STATE, 68-. Personnel & Guid. Asn.; Psychol. Asn. Group processes, counselor education; personality theory. Address: 3540 Boxdale, Apt. 4, Memphis, Tenn. 38118.
- LAMB, DR. HOWARD (ERWIN). Educational Psychology. See L-Z Vol, 11th ed, Soc. & Behav. Vols. New position: Prog. dir., inst. appl. behav. sci., Nat. Training Lab., 68-. Address: 10700 Montrose Ave, Garrett Park, Md. 20766.
- LAMBE, DR. RICHARD A. Experimental Psychology. See Suppl. VI to 11th ed, Phys. & Biol. Vols.
- LAMBE, DR. THOMAS ANTHONY. Operations Research, Engineering Science. See Suppl. VI to 11th ed, Phys. & Biol. Vols.
- LAMBERT-KARLOVSKY, PROF. CLIFFORD. Anthropology, Archaeology. See L-Z Vol, 11th ed, Soc. & Behav. Vols. New position: Prof. anthropol., Harvard & curator Near East. Archaeol., Peabody Mus., 69-. Address: Peabody Museum, Harvard University, Cambridge, Mass. 02138.
- LAMBERT, DR. LOUIS BERNARD. Electrical Engineering, Applied Physics. See Suppl. V to 11th ed, Phys. & Biol. Vols.
- LAMBERT, MARJORIE. Anthropology. See L-Z Vol, 11th ed, Soc. & Behav. Vols. Change of address: P.O. Box 387, Santa Fe, N.Mex. 87501.
- LAMBERT, DR. RONALD DICK, b. Picton, Ont., Apr. 6, 36; m. 64; c. 3. SOCIAL PSYCHOLOGY. B.A., McMaster, 59, M.A., 61; Ph.D. (soc. psychol.), Michigan, 66. Asst. prof. SOCIOL. & PSYCHOL., WATERLOO, 66-70, AS-SOC. PROF., 70-. Sociol. Asn.; Psychol. Asn.; Can. Sociol. & Anthropol. Asn. Structural analysis of small group process; cognitive social structure; social control and legitimacy. Publ.: Development of sex role conceptions in children: social origins of mind, Queen's Printer, Ottawa, 70. Address: Dept. of Sociology, University of Waterloo, Waterloo, Ont., Can.
- LAMMERS, DR. BERNARD J(AMES). Political Science. See L-Z Vol, 11th ed, Soc. & Behav. Vols. New information: Assoc. prof. govt. St. Lawrence, 69-. mem. faculty adv. coun., 69-. Address: 9 University Ave., Canton, N.Y. 13617.
- LAMPER, DR. NEIL, b. Grand Rapids, Mich., Mar. 29, 26; m. 49; c. 5. PSYCHOTHERAPY, COUNSELING. B.A., Calvin Col., 50; M.A., Michigan, 55; Ph.D. (teaching ed.), Mich. State, 59. Teacher, Kelloggsville Schs., 50-56; asst. ed., Mich. State, 56-59; ASSOC. PROF. COUNSELING, WESTERN MICHIGAN, 59-. Psychotherapist, Pediat. Clin., 65-. Summers, assoc. prof., Miami (Fla.), 65; Sacramento State Col., 66; Toronto, 68. Consult., Nepal, India, 66-67. Mem., Esalen Inst., 69. U.S.N., 44-46. Soc. Adlerian Psychol.; Psychol. Asn. Intensive group psychotherapy. Publ.: Compassion, Appleton, 70. Address: 1546 Spruce Dr., Kalamazoo, Mich. 49001.
- LAMPHERE, DR. LOUISE ANNE, b. St. Louis, Mo., Oct. 4, 40. SOCIAL ANTHROPOLOGY. B.A., Stanford, 62; M.A., Harvard, 66, Ph.D. (anthrop.), 68. Vis. asst. prof. ANTHROP., Rochester, 67-68; ASST. PROF., BROWN, 68-. Fel. Am. Anthropol. Asn.; fel. Royal Anthropol. Inst. Gt. Brit. & Ireland, North American ethnology, especially the Navajo Indians of New Mexico and Arizona; kinship and social organization; political anthropology: ritual and symbolism. Publ.: Co-auth., Time, resources and authority in a Navajo community, Am. Anthropol., 4/67; auth., Symbolic elements in Navajo ritual, Southwest. J. Anthropol., Vol. 25: No. 3. Ceremonial cooperation and networks: a reanalysis of the Navajo outfit, Man, 3/70. Address: Dept. of Anthropology, Brown University, Providence, R.I. 02912.
- LANA, PROF. ROBERT E(DWARD). Psychology, Statistics. See L-Z Vol, 11th ed, Soc. & Behav. Vols. New position: Prof, 69-, Dept. of Psychology, Temple University, Philadelphia, Pa. 19122.
- LAND, DR. JAMES W., b. Crockett, Tex., Apr. 12, 35; m. 60; c. 3. ECONOMICICS. B.A., Southern Methodist, 57, M.A., 60; Earhart fel., Princeton, 60-61, univ. fel., 61-63, Ph.D. 63. Asst. instr. econ., Southern Methodist, 57-58, instr., 59-60; res. assoc. int. finance, Princeton, summers 61 & 62; asst. prof., econ. Yale, 63-68; assoc. prof., St. Thomas (Tex.), 68-69; ASSOC. PROF., ECON. & DIR. PROG. DEVELOP. STUDIES, RICE, 69-. Consult., Orgn. Econ. Coop. & Develop. & Agency Int. Develop., 67-68. Econ. Asn. International trade theory, microeconomic theory, growth of the public sector and economic and social change in Turkey; economic development of underdeveloped countries. Publ.: The role of public enterprises in the economic development of Turkey, Govt. & Econ. Develop., Yale, 69; Economic accounts of public enterprises in Turkey, 69 & Economic accounts of government in Turkey, 1938, 1948, 1950, 1953-1963, 69, State Inst. Statist., Ankara. Address: Program of Development Studies, 402 Lovett Hall, Rice University, Houston, Tex. 77001.
- LAND, DR. JAY M(ALCOLM). Clinical Psychology. See L-Z Vol, 11th ed, Soc. & Behav. Vols. New position & address: Asst. prof., 68-, Dept. of Psychiatry, State University of New York Upstate Medical Center, Syracuse, N.Y. 13210.
- LANDAU, PROF. M(ARTIN). Political Science, Social Psychology. See L-Z Vol, 11th ed, Soc. & Behav. Vols. New position & address: Prof, 70-, Dept. of Political Science, University of California, Berkeley, Calif. 94720.
- LANDECKER, DR. MANFRED, b. Berlin, Germany, Sept. 19, 29; U.S. citizen; m. 53; c. 2. POLITICAL SCIENCE. A.B., Syracuse, 53; M.A., Indiana, 55; Ph.D. (int. rel.), 65, fel., Hopkins Sch. Adv. Int. Studies, Bologna, 55-56. Res. asst., Hopkins Sch. Adv. Int. Studies, Bologna, 56-58; lectr. GOVT., SOUTHERN ILLINOIS, 59-65, asst. prof., 65-69, ASSOC. PROF., 69-. Alexander von Humboldt Found. res. fel., West. Germany, 67-68. U.S.A., 53-55. Polit. Sci. Asn.; Int. Studies Asn. International affairs; American foreign policy; Western Europe. Publ.: The President and public opinion: leadership in foreign affairs, Pub. Affairs, 68. Address: 903 S. Taylor Dr., Carbondale, Ill. 62901.
- LANDGRAF, DR. JOHN LESLIE. Anthropology. See L-Z Vol, 11th ed, Soc. & Behav. Vols. New information: Exec. secy. cmt. on int. exchange of persons, Nat. Acad. Sci., 69-. Address: 2423 Eye St. N.W., Washington, D.C. 20037.

- LANDIS, DR. AGNES (THORSON). Psychology. See L-Z Vol, 11th ed, Soc. & Behav. Vols. New information: Private practice psychotherapist, 69. Address: 165 W. 66th St, Apt. 17D, New York, N.Y. 10023.
- LANDMAN, DR. RUTH (HALLO). Anthropology. See L-Z Vol, 11th ed, Soc. & Behav. Vols. New position: Assoc. prof. & chmn., 70. Dept. of Anthropology, American University, Washington, D.C. 20016.
- LANDYNSKI, DR. JACOB W. b. Gateshead-on-Tyne, Eng. May 6, 30; U.S. citizen; m. 62; c. 5. POLITICAL SCIENCE. B.A. Brooklyn Col, 58; univ. & spec. fcls. Bissling fel. & M.A. Hopkins, 59; Ph.D. (pol. sci.), 63. Instr. POLIT. SCI. GRAD. FACULTY, NEW SCH. SOC. RES. 62-63; asst. prof. 63-65, ASSOC. PROF. 65-75; prof. Brooklyn Col, 65-67; Ford Found. faculty res. fel., 68-69; vis. prof. Douglass Col, Rutgers, 69. Polit. Sci. Assn. Fourth Amendment; the presidency; the president; public Search and seizure and the supreme court: a study in constitutional interpretation, Johns Hopkins, 66; The making of constitutional law, spring 64 & Government aid to non-public schools: the constitutional conflict sharpens, autumn 69, Soc. Res. Address: 1703 President St, Brooklyn, N.Y. 11213.
- LANE, DR. ROBERT (CHESTER). Psychology. See L-Z Vol, 11th ed, Soc. & Behav. Vols. New information: Dir. ed, Hempstead consult. Center, & superv. psychotherapist, Psychoanal. Consult. Center, 68. Address: 19 Devonshire Court, Plainville, N.Y. 11803.
- LANE, PROF. SYLVIA. Economics. See L-Z Vol, 11th ed, Soc. & Behav. Vols. New position & address: Prof., 69. Dept. of Agricultural Economics, University of California, Davis, Calif. 95616.
- LANE, WILLIAM (PERRY). Psychology. See L-Z Vol, 11th ed, Soc. & Behav. Vols. New position & address: Psychologist, 68-. Naval Training Device Center, Code 55, Naval Training Center, Orlando, Fla. 32813.
- LANFORD, DR. HORACE W. b. Atlanta, Ga, May 25, 19; m. 64; c. 2. MANAGEMENT. B.B.A. Georgia, 48; A.M. George Washington, 50; Ph.D. (indus. mgmt), Ohio State, 64. ASSOC. PROF. MGT. WRIGHT STATE, 66. Consult. For. Tech. Div, Air Force Sys. Command, 70. U.S.A.F. 40-66, Col. Research and development management; technological forecasting. Publ: An analysis of coordinative methods in Air Force systems management, Hq. Aeronaut. Sys. Div, Air Force Sys. Command, 65; What is coordination? Air Univ. 11-12/65; A synthesis of technological forecasting methodologies, For. Tech. Div, Air Force Sys. Command, 6/70. Address: Dept. of Management, Wright State University, Col. Glenn Highway, Dayton, Ohio 45324.
- LANG, DEAN ALDON (SOCRATES). Economics. See 11th ed, Soc. & Behav. Vols, deceased 69.
- LANG, PROF. GERHARD. Psychology. See L-Z Vol, 11th ed, Soc. & Behav. Vols. Correction: Assoc. prof. psychol. & ed, Montclair State Col, 66. Address: 4-39 Lyncrest Ave, Fair Lawn, N.J. 07410.
- LANGDON, DR. MARGARET H(OFFMANN). Linguistics, American Indian Languages. See 5th ed, Dir. Am. Scholars, Vol. III, For. Lang. Ling. & Philol.
- LANGE, DR. CARL J(AMES). Psychology. See L-Z Vol, 11th ed, Soc. & Behav. Vols. New position & address: Asst. v-pres. res., 69-. George Washington University, Washington, D.C. 20006.
- LANGE, DR. IRENE L. b. Kaunas, Lithuania, Nov. 12, 39; U.S. citizen. MARKETING. B.S. Illinois, 60; M.S., 60-62, M.S., 62; univ. & Earhart Found. fcls. & Ph.D. (mkt), 68. Instr. econ. Inter-Am. Univ. P.R., 63-64; asst. prof. MKT, CALIF. STATE COL. FULLERTON, 65-68, ASSOC. PROF. 68-. Consult. Dept. Commerce, Commonwealth of P.R., 63-64; Manned Spacecraft Center, NASA, 68-; adv. Orange Co. Chamber of Commerce, Calif., 68-. Mkt. Assn; Econ. Assn. Government negotiation procedures; consumer attitude and opinion studies. Publ: Potential market for new housing, 10/69 & Predicted demand for amenities in apartment units, 5/70, Calif. Real Estate J. Address: Dept. of Marketing, California State College at Fullerton, Fullerton, Calif. 92631.
- LANGE, DR. ROBERT RAYMOND, b. Mandan, N.Dak, June 13, 35; m. 55; c. 6. EDUCATIONAL RESEARCH. B.S. Ore. Col. Ed., 60; M.Ed., West. Wash. State Col, 63; Ed. Res. Training Prog. fel. New Mexico State, 67-69; D.Ed. (ed. admin), 69. Instr. ED. RES. TEACHING RES. DIV. ORE. STATE SYST. HIGHER ED., 65-67, ASST. PROF. 69-. U.S.A.F. 54-57; Ed. Res. Assn. Quantification in educational decision making; systematic educational materials development; design and statistics in educational research and evaluation. Publ: Co-auth. Dental anatomy—a self-instructional program, Teaching Res. Div. Ore. State Syst. Higher Ed., 67; Mexican-American students in a metropolitan context: factors affecting social-emotional climate of the classroom, N.Mex. State Res. Center, 69. Address: Teaching Research Division, Oregon State System of Higher Education, Monmouth, Ore. 97361.
- LANGER, PROF. SUSANNE K(NAUTH). Philosophy. See 5th ed, Dir. Am. Scholars, Vol. IV, Philos. Relig. & Law.
- LANGROD, DR. WITOLD L(UCCIAN). International Relations. See L-Z Vol, 11th ed, Soc. & Behav. Vols. Change of address: 487 Central Park W, New York, N.Y. 10025.
- LANIER, DR. W. GREG, b. Winston-Salem, N.C., May 3, 38; m. 63; c. 4. PSYCHOLOGY. A.B. Duke, 60; M.A. Kent State, 62; U.S. Pub. Health Serv. fel., Emory, 66-67, Ph.D. (exp. psychol.), 68. Instr. PSYCHOL, Ga. State Col, 62-65; ASST. PROF. Oglethorpe Col, 67-68; QUEENS COL. (N.C.), 68. Psychol. Assn. Intermittent reinforcement; animal psychophysics; research design; experimental analysis of behavior. Publ: Co-auth. Stimulus generalization of tendencies to respond and not to respond, Psychol. Record, 62; auth. Bissection along the angularity dimension by pigeons, Dissertation Abstracts, 69. Address: Dept. of Psychology, Queens College, Charlotte, N.C. 28207.
- LANING, DR. EVERETT L(ADLEY). Sociology. See L-Z Vol, 11th ed, Soc. & Behav. Vols. New position: Assoc. prof., 69-. Dept. of Sociology & Anthropology, Simpson College, Indianola, Iowa 50125.
- LA NOUE, DR. GEORGE, b. Hammond, Ind, Sept. 21, 37; m. 69. POLITICAL SCIENCE, EDUCATION. A.B. Hanover Col, 59; M.A. Yale, 61, Danforth & Woodrow Wilson Fcls., 61-66, Ph.D. (pol. sci.), 66. Instr. POLIT. SCI., TEACHERS COL. COLUMBIA, 64-66; asst. prof., 66-68, ASSOC. PROF., 68-70. Polit. Sci. Assn. Ed. Res. Assn. Politics of education; church-state relations. Publ: Co-auth. The church-state settlement in the federal aid to education bill, In: Religion and the public order, Univ. Chicago, Vol. 2, 65, Vol. 3, 66; auth. The conditions of public school neutrality, In: Religion and public education, Houghton, 67; Church-state problems in New Jersey: the implementation of Title I (ESEA) in sixty cities, Rutgers Law Rev, winter 68. Address: 382 Central Park W, New York, N.Y. 10025.
- LANTZ, DR. JOANNE BALDWIN, b. Defiance, Ohio, Jan. 26, 32; m. 55. COUNSELING, PSYCHOLOGY. B.S. Ind. Cent. Col, 53; M.S. Indiana, Bloomington, 57; Delta Kappa Gamma scholar, Mich. State, 66, Ph.D. (counseling, psychol.), 69. Teacher, Arcola High Sch, Ind., 53-57; guid. dir., New Haven Sr. High Sch., 57-65; ASSOC. PROF. PSYCHOL. & COORDINATOR COUNSELING & TESTING, PURDUE, FT. WAYNE, 65-. Personnel & Guid. Assn. Continuing education of adult women; current usage of and attitudes toward drugs. Publ: Problems of women in regard to education and vocation, Ind. Personnel & Guid. J., spring 67; Attitudes and characteristics of adult codes at selected universities, Student Personnel Abstracts, spring 68; co-auth. The adult code: a personal/vocational profile, Nat. Bus. Woman, 10/68. Address: Dept. of Psychology, Purdue University, 2101 E. Coliseum Blvd, Ft. Wayne, Ind. 46805.
- LANZILLOTTI, PROF. ROBERT FRANKLIN. Economics. See L-Z Vol, 11th ed, Soc. & Behav. Vols. New position & address: Dean, 68-. College of Business Administration, University of Florida, 214 Matherly Hall, Gainesville, Fla. 32601.
- LAPHAM, DR. LEWIS J(AY). Political Science. See L-Z Vol, 11th ed, Soc. & Behav. Vols. New position: Spec. asst. to ambassador, Am. Embassy, Bangkok Thailand, 69. Address: U.S. Embassy, APO San Francisco 96346.
- LAPIDUS, DR. LEAH BLUMBERG, b. Chicago, Ill, Apr. 6, 38; m. 59; c. 2. CLINICAL PSYCHOLOGY. B.A., N.Y. Univ., 60, Ph.D. (psychol.), 68; M.A., Columbia, 61. Psychol. intern, Bronx Vet. Admin. Hosp., N.Y., 62-63; Nat. Inst. Ment. Health trainee, N.Y. Univ., 66-67; psychol. intern, Vet. Admin. Regional Off., New York, 67-68; INSTR. CLIN. PSYCHOL., MED. CENTER, N.Y. UNIV., 68-. PSYCHOLOGIST-IN-CHARGE IN-PATIENT WARDS, BELLEVUE HOSP., 68-. Clin. assoc. psychol. serv. center, N.Y. Soc. Clin. Psychologists, 69-; private practice clin. psychol., 69-. AAAS; Psychol. Assn; Soc. Psychoprophylaxis in Obstet; Child Study Assn. Am. Soc. Psychol. Study Social Issues. Ego-analytic theory; mastery of stress; cognitive control; acute psychotic disorders and hallucinations; arousal, attention and affect in schizophrenia; treatment and prevention of individual and social pathology; amelioration of social problems. Address: Dept. of Psychiatry, New York University Medical Center, New York, N.Y. 10016.
- LAPTAN, DR. ANTONIO E. Political Science. See L-Z Vol, 11th ed, Soc. & Behav. Vols. New position & address: Chmn., 69-. Dept. of Political Science, University of Dayton, Dayton, Ohio 45409.
- LAPKIN, DR. BENJAMIN. Psychology. See L-Z Vol, 11th ed, Soc. & Behav. Vols. New information: Also assoc. prof. Lehman Col, City Univ. N.Y., 70. Address: 654 Forest Ave, Larchmont, N.Y. 10538.
- LARIMER, DR. GEORGE S. Social Psychology, Sociology. See L-Z Vol, 11th ed, Soc. & Behav. Vols. New position & address: Assoc. prof., 70-. Dept. of Psychology, University of Portland, Portland, Ore. 97203.
- LARNER, DR. ROBERT J. b. Washington, D.C., Sept. 25, 41; m. 67; c. 1. ECONOMICS. B.A. Georgetown, 64; Nat. Sci. Found. fel., Wisconsin, 66-68, M.A., 67, Ph.D. (econ), 68. ASST. PROF. ECON. BRANDEIS, 68-. Econ. Assn. Industrial organization economics. Publ: Ownership and control in the 200 largest nonfinancial corporations, 1929 and 1965, Am. Econ. Rev., 9/66; The effect of management control on the profits of large corporations, In: American society, Inc., Markham, 70. Address: Dept. of Economics, Brandeis University, Waltham, Mass. 02154.
- LARSEN, DR. HERBERT R(AY). Sociology. See L-Z Vol, 11th ed, Soc. & Behav. Vols. New position & address: Vis. prof., 69-. Dept. of Sociology, University of Montana, Missoula, Mont. 59801.
- LARSEN, DR. KNUD SONDERHEDE, b. Silkeborg, Denmark, May 19, 38; U.S. citizen; m. 58; c. 3. SOCIAL PSYCHOLOGY. B.A., Calif. State Col. Los Angeles, 64, M.A., 66; Nat. Sci. Found. fel., Brigham Young, 66-69, Ph.D. (soc. psychol.), 69. Res. fel. Int. Peace Res. Inst. Oslo, Norway, 68-69; ASST. PROF. PSYCHOL., OREGON STATE, 69-. Oregon State Univ. Found. staff develop. fel. & Nat. Sci. Found. fel., 69. Psychol. Assn; Int. Peace Res. Assn. Conflict resolution; attitude measurement and change; conformity; small group processes. Publ: Authoritarianism, self esteem and insecurity, Psychol. Reports, 25: 229-230; Change in attitudes toward Negroes resulting from exposure to congruent and non-congruent attitudinal objects, J. Peace Res., 3: 157-161; Personality and selectivity factors as predictors of social conformity among college girls, J. Soc. Psychol. (in press). Address: Dept. of Psychology, Oregon State University, Corvallis, Ore. 96331.
- LARSON, PROF. ARTHUR. Law, International Affairs. See 5th ed, Dir. Am. Scholars, Vol. IV, Philos. Relig. & Law.
- LARSON, CHARLES ARTHUR. Economics. See L-Z Vol, 11th ed, Soc. & Behav. Vols. New position & address: V-pres., 68-. Commonwealth Management Consultants, 1250 Connecticut Ave, N.W., Washington, D.C. 20036.

- LARSON, DEAN CLIFFORD EMIL. Economics, Marketing. See L-Z Vol. 11th ed. Soc. & Behav. Vols. New position & address: Dean, 69. School of Business Administration, Wisconsin State University, Oshkosh, Wis. 54901.
- LARSON, DR. JOHN A(LBERT), b. Little Rock, Ark, Mar. 30, 25; m. 65; c. 2. POLITICAL SCIENCE. M.B.A., Northwestern, 48, Ph.D.(polit. sci.), 56. Lectr. & instr. acct. Northwestern, 48-53; res. assoc. pub. admin., Tennessee, 53-55; instr. polit. sci., Michigan, 55-56; asst. prof. bus. admin., Northwestern, 56-60, assoc. prof. 60-66; MEM. SR. STAFF, BROOKINGS INST., 66-U.S.N., 43-46, Lt.(jg). Polit. Sci. Assn.; Econ. Assn. Government and business; American local and national government. Publ: Individual freedoms and the businessman; The responsible businessman & The regulated businessman, Holt, 66. Address: Brookings Institution, 1775 Massachusetts Ave. N.W., Washington, D.C. 20036.
- LARSON, PROF. WILLIAM RAYMOND, b. Spokane, Wash, Feb. 14, 30; m. 53; c. 2. SOCIOLOGY, SOCIAL PSYCHOLOGY. B.A., Washington (Seattle), 55, M.A., 58, Ph.D.(sociol.), 65. Acting instr. social, Washington (Seattle), 58-59; proj. dir. & sr. res. assoc. youth studies center, Southern California, 61-65, dir. comput. sci. lab, 66-67, assoc. prof. pub. admin., 67-68, assoc. prof. social. & anthrop. & assoc. dir. res. geront. center, 68-69; PROF. BEHAV. SCI. & CHMN. DEPT., CALIF. STATE POLYTECH. COL., POMONA, 69-Spec. consult, training div. Los Angeles County Sheriff's Dept. & life sci. div. AIRS. Mfg. Co., 68- U.S.A., 51-53, Res. 53-, Maj. AAAS; Social. Assn.; Geront. Soc. Interdisciplinary studies of human behavioral development, with emphasis on quantification and multivariate methods; computer systems and simulations of society and groups; psycho-social analyses of man-environmental interaction in zero-gravity conditions. Publ: Intra-family relationships and adolescent school adjustment, Youth Studies Center, Univ. Southern California & U.S. Off. Ed, 67; co-auth. Primary and formal family organization and adolescent socialization, J. Soc. Res., 10/65 & The doctor as culture hero; the routinization of charisma, Human Organi., fall 65. Address: Dept. of Behavioral Science & Social Services, California State Polytechnic College, Pomona, Calif. 91766.
- LASH, DR. LEONARD. Physiological Psychology. See L-Z Vol. 11th ed. Soc. & Behav. Vols. New position & address: Exec. secy. neuropsychol. res. rev. cmt., 68-; National Institute of Mental Health, 5454 Wisconsin Ave., Chevy Chase, Md. 20015.
- LASKY, DR. DAVID I(SAAC). Psychology. See L-Z Vol. 11th ed. Soc. & Behav. Vols. Change of address: 524 Groff Ave., Elizabethtown, Pa. 17022.
- LA SORTE, DR. MICHAEL A(NTONIO), b. Endicott, N.Y. Sept. 24, 31; m. 64; c. 1. SOCIOLOGY. B.A., Harper Col., 58; M.A., Rutgers, 62; Ph.D.(sociol.), Indiana, 67. Instr. SOCIOL., Knox Col., 64-66; ASST. PROF., HOFSTRA, 67-U.S.M.C., 51-54. Social. Assn. Publ: Co-auth. Understanding the multi-problem family, Am. Press, 64; Measuring family organization, J. Marriage & Family, 62; auth. The caseworker as research interviewer, Am. Sociologist, 68. Address: Dept. of Sociology, Hofstra University, Hempstead, N.Y. 11550.
- LASSEY, DR. WILLIAM R(AYMOND). Sociology, Communication. See L-Z Vol. 11th ed. Soc. & Behav. Vols. New position & address: Asst. Dir. for Planning & Development, Montana State University, Box 65, Bozeman, Mont. 59715.
- LASSITER, PROF. ROY LELAND, JR. Economics, Statistics. See L-Z Vol. 11th ed. Soc. & Behav. Vols. New position: V-pres. & dean faculties, Univ. North Florida. Address: Suite 638 Florida National Bank Bldg., Jacksonville, Fla. 32202.
- LASSON, DR. MORRIS S, b. Baltimore, Md. Apr. 21, 38; m. 63; c. 3. PSYCHOLOGY. B.A., Ner Israel Rabbinical Col., 60; M.S., Loyola Col.(Md.), 62; Ph.D.(psychol.), Catholic Univ., 66. Youth dir., Young Israel Congregation, 58-62; res. psychologist, Spring Grove State Hosp. 62-63, clin. intern., 63-64; ASST. PROF. PSYCHOL., MARYLAND, 66-, NEUROSIS CHILDHOOD & INTERVIEWING TECH., MED. SCH., 67-; CHIEF PSYCHOLOGIST, COMMUNITY PEDIAT. CENTER, 67- COUSH, Camp Monk, Ferndale, N.Y. 59-62; asst. prof., Hopkins, 68- Consult. psychologist, bd. ed. 64; Bais Yaakov Sch. Girls, B'nai B'rith Voc. Serv., Dept. Voc. Rehab. Ner Israel Rabbinical Col. & Talmudical Acad. Baltimore, 67- Psychol. Assn.; Nat. Rehab. Assn. New methods of evaluating and understanding the psychodynamics of adolescents and young adults, especially existential analysis, reciprocal desensitization and behavior therapy. Publ: Personality aspects of secondary school guidance counselors, Catholic Univ., 66 & What is a psychologist, Community Pediat. Center, Teaching, vocation or avocation, Jewish Observer, 10/69. Address: 6025 Highgate Dr., Baltimore, Md. 21215.
- LATANE, PROF. BIBB. Social Psychology. See L-Z Vol. 11th ed. Soc. & Behav. Vols. New position & address: Prof., 68-, Dept. of Psychology, Ohio State University, 404 C W. 17th Ave., Columbus, Ohio 43210.
- LATTAL, DR. KENNON ANDY, b. Selma, Ala., Jan. 7, 43; m. 65. PSYCHOLOGY. B.S., Alabama, 64, Ph.D.(psychol.), 69. Instr. psychol., Alabama, 68-69; RES. PSYCHOLOGIST, U.S. ARMY, 69- Med.Serv.C., U.S.A., 69-, Capt. Psychol. Assn. Experimental analysis of behavior; behavior modification; psychopharmacology; animal behavior. Publ: Co-auth. Group interpersonal problem solving: an example, Adolescence, 68; auth. Contingency management of toothbrushing in a summer camp for children, J. Appl. Behav. Anal., 68; Relative frequency of reinforcement and rate of punished behavior, J. Exp. Anal. Behav., 70. Address: Psychology Branch, Medical Research Lab, Edgewood Arsenal, Md. 21010.
- LAUBE, DEAN RICHARD HENRY. Business Administration. See L-Z Vol. 11th ed. Soc. & Behav. Vols. New information: Also dean, 70-. College of Business Administration, Valparaiso University, Valparaiso, Ind. 46383.
- LAUDA, DR. ROBERT J, b. Leigh, Nebr., Dec. 6, 33; m. 63; c. 3. SAFETY EDUCATION. B.A., Nebr. State Teachers Col., 57; M.A., Colo. State Col., 60; summer, San Jose State Col., 65; Ph.D.(safety ed.), Iowa State, 68. Teacher,
- sec. schs., Nebr., 57-59; Colo., 59-66; asst. audio-visual tech., Iowa State, 66-68; ASST. PROF. SAFETY & DRIVER ED., NORTHERN ILLINOIS, 68- Vehicle to record physiological data of drivers' heartbeat and galvanic skin response. Address: 130 Charter Ave., DeKalb, Ill. 60115.
- LAUDERDALE, DEAN FRANK J, b. Wellington, Mo., Jan. 11, 16; m. 47; c. 4. BUSINESS ADMINISTRATION, ECONOMICS. B.S., Cent. Mo. State Col., 36; summer, Iowa, 38; M.Ed., Missouri-Columbia, 41; Ph.D.(bus. admin.), Texas, Austin, 66. Teacher high schs., Mo., 38-42; instr. commerce, Missouri, 47-48; acct., Haskins & Sells, 48-60; instr. acct., Texas, 51-52; prof. bus. admin. & head dept., STEPHEN F. AUSTIN STATE, 52-68, DEAN SCH. BUS., 68-U.S.A.A.F., 42-47, Capt. Accounting; statistics; management. Address: Box 3004, Stephen F. Austin State University School of Business, Nacogdoches, Tex. 75961.
- LAUDERDALE, DR. MICHAEL LYNN, b. Hobart, Okla., Dec. 9, 41; m. 65; c. 1. SOCIAL PSYCHOLOGY. B.A., Oklahoma, 63, Ph.D.(soc. psychol.), 67; Nat. Inst. Ment. Health fel., Pa. State, 65-66. Assoc. dir. poverty & soc. change, Univ. Oklahoma, 66-67; asst. prof. soc. psychol., New Mexico State, 67-68; acting chmn. dept. psychol., 69; PRES. SOUTHWEST RES., 69- Consult. Off. Econ. Opportunity, 67-68 & 69-, Nat. Insts. Health Suicide Proj., 68-69. Psychol. Assn.; Social. Assn. Small groups; attitudes; social change; organizations; cross cultural studies. Address: Southwestern Research, El Paso, Tex. 79912.
- LAUGHLIN, DR. J(AMES) STANLEY, b. Guilford, Mo., Sept. 23, 36; m. 60; c. 2. MATHEMATICS, EDUCATION. B.S., Northwest Mo. State Col., 58; Nat. Sci. Found. fel., Colo. State Col., 60-61, M.A., 61; Nat. Sci. Found. fel., Colorado State, 60-61, 63; fel., Denver, 65-68, Ph.D.(higher ed.), 68. Teacher pub. schs., Iowa, 58-59; instr., Denver Pub. Schs., 59-68, res. asst., 67-68; asst. prof., STATE TEACHERS COL., 68- U.S.A., 51-53, Res. 53-, Nat. Insts. NATOR RES. & GRANTS, 68- Dir. Proj. SEEK, State Ed. Eval., Kans., 69-70. Summers, instr. & lectr., State Dept. Ed., N.S. 67, consult., 68- Ed. Res. Assn. Educational research in curriculum and learner needs. Publ: Co-auth. Inventory of community social planning organizations, Denver metropolitan area, Metrop. Human. Commun. Serv. 67 & State Educational Evaluation of Kansas, Report of Proj. SEEK, Kans. State Dept. Ed., 70. Address: Kansas State Teachers College, Emporia, Kans. 66801.
- LAUMANN, DR. EDWARD O. Sociology. See L-Z Vol. 11th ed. Soc. & Behav. Vols. New position: Assoc. prof., 69-, Dept. of Sociology, University of Michigan, 5601 Haven Hall, Ann Arbor, Mich. 48104.
- LAUNSTEIN, PROF. HOWARD C(LEVELAND). Accounting, Finance. See L-Z Vol. 11th ed. Soc. & Behav. Vols. New information: Dir. Nat. Inst. Consumer Finance, 66- Address: Dept. of Accounting & Finance, Marquette University, 606 N. 13th St., Milwaukee, Wis. 53233.
- LAUR, DR. ROBERT JOHN, b. Traverse City, Mich., Jan. 26, 34; m. 56; c. 3. HEALTH SERVICES ADMINISTRATION. B.B.A., Minnesota, 58, M.Hosp. Admin., 60, Ph.D.(hosp. admin.), 69. Methods analyst, Univ. Minn. Hosps., 58-58; admin. res., Fairview Hosps., Minneapolis, 59-60; instr. hosp. admin., Minnesota, 63-67; ASST. PROF. HEALTH SERV. MGT., MISSOURI-COLUMBIA, 67-68. COORDINATOR, PRNPA, 67-68; health coordinator, health affairs, 67-68. Consult. health progs., Appalachia Regional Cmn., 68- Chem. C., U.S.A., 54-56. Hosp. Assn.; Pub. Health Assn.; Assn. Am. Med. Cols. Hospital governance and management; health economics. Publ: Hospitals and the research implosion: some guidelines for administrative action, Hosp. Admin., winter 69; co-auth. Health education planning game, ABT Assoc., Inc. 59 & Educational philosophy: University of Missouri-Kansas City Medical School, Mo. Med., 2/70. Address: Dept. of Health Service Management, University of Missouri-Columbia, 206 Clark, Columbia, Mo. 65201.
- LAUTERBACH, DR. ALBERT. Economics. See L-Z Vol. 11th ed. Soc. & Behav. Vols. New information: Regional econ. adv. Latin Am. & Caribbean. Int. Labour Off., UN, 69- Address: Social Science Faculty, Sarah Lawrence College, Bronxville, N.Y. 10708.
- LAUTERBACH, DR. CARL G(ERSHOM). Psychology. See L-Z Vol. 11th ed. Soc. & Behav. Vols. New position & address: Prof. & chmn. 68-, Dept. of Research, Graduate School of Social Work, Marywood College, 2300 Adams Ave., Scranton, Pa. 18509.
- LAVACH, DR. JOHN FRANCIS, b. Teaneck, N.J., Dec. 24, 36; m. 62; c. 1. EDUCATIONAL & DEVELOPMENTAL PSYCHOLOGY. B.A., Montclair State Col., 61; M.A., Fairleigh Dickinson, 65; Ed.D., Duke, 67. Instr. New Providence High Sch., U.S.-65; ASSOC. PROF. ED. PSYCHOL., COL. WILLIAM & MARY, 67- U.S. Dept. Health, Ed. & Welfare grant, 69-, participant, Nat. Sci. Found. Summer Inst., Williams Col., 69- Consult. quan. phys. sci. proj., 67- U.S.A., 56-58, AAAS; Psychol. Assn. Human learning and motivation particularly as influenced by emotional variables. Publ: Organization and evaluation of an inservice program in the history of science, J. Res. Sci. Teaching, 12/69; Current views of human intelligence, Int. Modern trends in education, MacMillan, 70. Address: Dept. of Educational Psychology, College of William & Mary, Williamsburg, Va. 23185.
- LAVE, DR. JEAN CARTER, b. Champaign, Ill., Mar. 29, 39; m. 66. SOCIAL ANTHROPOLOGY. B.A., Stanford, 60; Woodrow Wilson fel., Harvard, 60-61, Nat. Sci. Found. fel., 61-65, Ph.D.(social anthropol.), 68; Nat. Sci. Found-Soc. Sci. Res. Coun.-Fulbright Cmn. travel grant, 68; 68- Instr. sociol. anthropol., Wellesley Col., 66; ASST. PROF. ANTHROP. CALIFORNIA, RIVINE, 66- Soc. Sci. Res. Coun. fel., 69-70. Emer. prof. Univ. San Luis, Brazil, 67. Fel. Am. Anthropol. Assn.; Econ. Assn.; fel. Royal Anthropol. Inst. Gt. Brit. & Ireland. Social structure and comparative social structures among the Ge of central Brazil; statistical analysis of social-structural data. Publ: A formal analysis of preferential marriage with the sister's daughter, Man, J. Royal Anthropol. Inst., 66; Some suggestions for the interpretation of residence, descent and exogamy among the Eastern Timbira, Int. Cong. Americanists, (in press). Address: School of Social Sciences, University of California, Irvine, Calif. 92664.

- LAVELLE, DR. MICHAEL J(OSEPH), b. Cleveland, Ohio, Dec. 28, 34. ECO-NOMICS. B.A. Loyola (Ill), 58; Ph.L., 60; fel., Harvard, 63-65; Ph.D. (econ), Boston Col., 66. Lectr. ECON, European Div., Maryland, 68-69; ASST. PROF. JOHN CARROLL, 69- Econ. Assn. Assn. Study Soviet-Type Econ. Soviet econ-omics; macroeconomics; international economics. Publ: Welfare econ-omics and socialism, Rev. Soc. Econ, 9/63, A note on Soviet appraisals of American countereconomic measures, 1953-1963, ASTE Bull, summer 64 & Soviet views on American unemployment, 1953-1963, Kyklos, 68. Address: Dept. of Economics, John Carroll University, Cleveland, Ohio 44118.
- LAVERY, DR. S. G. Hertfordshire, Eng, Dec. 19, 22; m. 48; c. 2. PSY-CHOLOGICAL MEDICINE. B.S.C. Edinburgh, 44; M.B.Ch.B., 44; D.P.M., London, 56. Lectr. psychiat, Edinburgh, 58-58; asst. prof. QUEENS (ONT), 59-60; assoc. prof. 60-67. PROF. PSYCHIAT. & DEP. ADDICTION STUDIES UNIT, 67, chmn. cmt. human experimentation, 67. Sci. grade 4. Alcohol & Drug Addiction Res. Found. Ont, 69. R.A.M.C., 50-52. Maj. Can. Psy-chiat. Assn. Effects of drugs on behaviour, sleep and social interaction; evaluation studies of treatment methods in additions; role of muscle ac-tivity in relation to addiction. Address: Addiction Studies Unit, Queens University, Kingston, Ont, Can.
- LAVIN, DR. MILTON LAMPL, b. Wichita, Kans. Jan. 14, 37; m. 69. ORGA-NIZATIONAL PSYCHOLOGY. Douglas Aircraft Co. fel., B.S. & S.M., Mass. Inst. Tech. 61, NASA Inst. & Nat. Sci. Found. fcls. & Ph.D. (orgn. psychol), 69. Staff scientist, Arco/Rad, Mass, 62-64; ASST. PROF. ORGN. PSYCHOL, SLOAN SCH. MGT, MASS. INST. TECH, 69. Instr. Sci. Decision mak-ing; research methodology; organizational design. Address: Dept. of Organi-zational Psychology, Sloan School of Management, Massachusetts Institute of Technology, Cambridge, Mass. 02139.
- LAVINE, PROF. THELMA Z., Philosophy. See 5th ed, Dir. Am. Scholars, Vol. IV, Philos, Relig. & Law.
- LAWLESS, DEAN DAVID J, b. Victoria, B.C. June 1, 32; m. 58; c. 6. PSY-CHOLOGY. B.A. Assumption Univ, 57; M.A. British Columbia, 60; M.A. Birkbeck Col, 63-65; Ph.D. (psychol), London, 69. Lectr. PSYCHOL, St. John's Col, 63-65; asst. prof. 65-67; ASSOC. PROF. MANITOBA, 67. DEAN STUDIES, ST. JOHN'S COL, 68. dean arts & sci., 68. Olive Beatrice Stanton Award, 68. Can. Psychol. Assn; Can. Assn. Adult Ed. Int. Assn. Appl. Psychol. Organizational psychology, the effectiveness of complex human organizations; social psychology, theories of personality. Publ: Leaders of immigrant and ethnic groups, Int. Migration, 64; Emigration of British grad-uates to Canada, Occup. Psychol, 65. Address: St. John's College University of Manitoba, Winnipeg 19, Man, Can.
- LAWLESS, DR. ROBERT W, b. Baytown, Tex. Feb. 13, 37; m. 58; c. 3. IN-DUSTRIAL ENGINEERING, STATISTICS. B.S. Houston, 64; U.S. Pub. Health Serv. fel., Texas A&M, 65-66; Ph.D. (indust. eng), 68. Res. technician, Mon-santo Co., 56-61; instrument eng., 61-65; res. eng. Tex. Transportation Inst., 66-67; instr. indust. eng. Texas A&M, 67-68; asst. prof. 68-69; ASSOC. PROF. QUANT. MGT. SCI, HOUSTON, 69- Consult, Tex. Hosp. Assn, 66-28. Asst. Ops. Res. Soc. Am; Instrument Soc. Am; Inst. Mgt. Sci. Op-timum allocation of resources; system simulation and sensitivity analysis; maintainability and reliability of complex systems; evaluation of subjective measures of merit, Publ: Co-auth. A gaming approach to the training of disaster recovery planners, Nat. Gaming Com, 2/68; auth. Determination of resource allocations and the formation of decision sets for disaster situa-tions as studied through simulation, Vol. 5, Report of Res. Grant CHOO191, 8/68; co-auth. Geometric programming: new optimization technique for water resource analysis, Am. Water Resources Assn, 11/68. Address: 1818 Mallard, Houston, Tex. 77043.
- LAWLESS, DR. G. FRANK, b. Stamford, Tex. Mar. 25, 40; m. 61; c. 3. PSY-CHOLOGY. B.S.Ed. North Texas State, 62, M.Ed., 65; Ph.D. (counseling psy-chol), Texas Tech, 68. Instr. math, Andrews Pub. Schs, 62-65; intern. clin. counseling, inst. rehab. med. sch. med. N.Y. Univ, 67-68; ASST. PROF. PSYCHOL, ARKANSAS, 68. DIR. RES. REHAB. RES. & TRAINING CENTER 69-, sr. researcher, 68-69. Psychol. Assn. Group psychotherapy; alcoholism; chronically unemployed; multivariate statistics. Publ: Co-auth. Empirical research in group psychotherapy, In: Handbook of psychotherapy and behavior change, Wiley, (in press); auth. The chronically unemployed: voca-tionally immature? Rehab. Res. & Practice Rev, fall 68; Motivational fac-tors reflecting employment instability, J. Soc. Psychol, (in press). Address: 815 E. Ash, Fayetteville, Ark. 72701.
- LAWLOR, DR. GERALD WILLIAM, Psychology. See L-Z Vol, 11th ed, Soc. & Behav. Vols. New information: Retired. Address: 15794 Highland Dr, San Jose, Calif. 95127.
- LAWLOR, DR. WILLIAM DEANE, b. Oak Bluffs, Mass, Feb. 11, 35; m. 68. ECONOMICS, LAW. B.A. Northeastern, 57; Suffolk, 60; J.D. Georgetown, 67. Economist, off. prices & living conditions, bur. labor statist, U.S. Dept. Labor, Wash, D.C. 60-69; CUSTOMS LAW SPECIALIST, BUR. CUSTOMS, U.S. DEPT. TREAS, 69- U.S.A., 57-58, Capt. Bar Assn. Prices. Address: 1131 University Blvd. W, Silver Spring, Md. 20902.
- LAWRY, DR. JAMES VORIS. Neurophysiology, Neuroanatomy. See Suppl. V to 11th ed, Phys. & Biol. Vols.
- LAWS, DR. DUANE M, b. Provo, Utah, Apr. 27, 31; m. 53; c. 6. FAMILY RELATIONS, COUNSELING. B.A. Brigham Young, 58, M.A. 59; Ed.D. (fam-ily life, marriage counseling), Columbia, 64. Instr. family life ed, Brigham Young, 59-60; N.Y. Univ, 62-63; asst. prof. CHILD DEVELOP. & FAMILY RELS, BIRMGH. UNIV, 64-68; ASSOC. PROF. & CHMN. DEPT. 68- Vis. prof., Eastern Michigan, 69-70. U.S.A., 53-58. Nat. Coun. Family Rels; Assn. Marriage Counsr; Home Econ. Assn. Family life education at college level; dynamics of marital interaction. Address: 899 E. 2730 North, Provo, Utah 84601.
- LAWSON, DR. ROBERT BERNARD. Experimental Psychology. See L-Z Vol, 11th ed, Soc. & Behav. Vols. New position: Assoc. prof., 69-, Dept. of Psy-chology, University of Vermont, Burlington, Vt. 05401.
- LAWTON, DR. MARCIA J(EAN). Child Psychology. See L-Z Vol, 11th ed, Soc. & Behav. Vols. New position: With Arapahoe Ment. Health Center, Inc, 68- Address: 2512 S. University Blvd, Denver, Colo. 80210.
- LAWTON, PROF. SHERMAN P(AXTON), b. Muskegon, Mich, July 13, 08; m. 30; c. 2. SPEECH, ANTHROPOLOGY. A.B. Albion Col, 29; M.A., Mich-igan, 30; Ph.D. (speech), Wisconsin, 39. Instr. Eng. Bradley Polytech, Inst., 30-32; asst. instr. Wisconsin, 32-34, 38-39; dir. audio-visual aids, Stephens Col, 34-45; PROF. DRAMA & COORDINATOR BROADCASTING INSTR., OKLAHOMA, 45-, RES. ASSOC. ARCHAEOLOG, 55- Nat. Assn. Ed. Broadcast-ers. Audience measurement; broadcasting practices and trends; Plains archeology; Meso-American ethnology; audience demographics. Publ: Co-auth., Broadcasting: radio and television, 52 & auth. The modern broadcaster, 61, Harper; Mayan memories (film), privately produced, 69. Address: Dept. of Speech, University of Oklahoma, Norman, Okla. 73069.
- LAYMAN, PROF. EMMA MCCLOY. Psychology. See L-Z Vol, 11th ed, Soc. & Behav. Vols. New information: Also chmn. soc. sci. div. & asst. dean, 69-, Iowa Wesleyan College, Mt. Pleasant, Iowa 52641.
- LAZAR, DR. IRVING. Psychology. See L-Z Vol, 11th ed, Soc. & Behav. Vols. New position & address: Dir. develop. studies, 68-, Kirschner Associates, 11716 W. Pico Blvd, Los Angeles, Calif. 90064.
- LAZAR, DR. ROBERT, b. Chicago, Ill, Oct. 9, 40; m. 67. SOCIOLOGY. B.A., Northern Illinois, 62; M.A. Indiana, 64; Ph.D. (sociol), Minnesota, 68. ASST. PROF. SOCIOL, Moorhead State Col, 66-69; NORTHERN ILLINOIS, 69- So-ciol. Assn; Acad. Polit. & Soc. Sci. Sociological theory; community. Ad-dress: Dept. of Sociology, Northern Illinois University, DeKalb, Ill. 60115.
- LAZARETH, DEAN WILLIAM HENRY. Systematic Theology. See 5th ed, Dir. Am. Scholars, Vol. IV, Philos, Relig. & Law.
- LAZARSFELD, PROF. PAUL F, b. Vienna, Austria, Feb. 13, 01; U.S. citizen; m. 43. POLITICAL SCIENCE. Ph.D. Vienna, 25; L.H.D. Yeshiva, 66; LL.D., Chicago, 66 & Columbia, 70. Rockefeller Found. fel., 33-35; PROF. SOCIOL, COLUMBIA, 39- Vis. prof., Sorbonne, 62-63, 67-68. Sociol. Assn. (past pres); Assn. Pub. Opinion Res; Nat. Acad. Ed. Publ. Co-auth. The academic mind, Free Press, 58, The people's choice, Columbia, 3rd ed, 68 & Latent struc-ture analysis, Houghton, 68. Address: Dept. of Sociology, Columbia Univer-sity, New York, N.Y. 10027.
- LAZARUS, PROF. ARNOLD A. Behavioral Science, Clinical Psychology. See L-Z Vol, 11th ed, Soc. & Behav. Vols. New information: Vis. prof. psychol. & dir. clin. training, 70-, Psycho-Educational Clinic, Yale University, 295 Crown St. New Haven, Conn. 06511.
- LAZARUS, PROF. RICHARD S(TANLEY). Psychology. See L-Z Vol, 11th ed, Soc. & Behav. Vols. New information: Guggenheim fel., 69-70. Address: Dept. of Psychology, University of California, Tolman Hall, Berkeley, Calif. 94720.
- LAZOWICK, DR. LIONEL M(ORDECAD). Clinical Psychology. See L-Z Vol, 11th ed, Soc. & Behav. Vols. New position: Chief Edn Alcoholism Clin, Alameda County Health Dept, 68- Address: 7265 Hansen Dr, Dublin, Calif. 94566.
- LEACH, DR. DAVID A(RTHUR). Experimental Psychology. See Suppl. V to 11th ed, Phys. & Biol. Vols.
- LEACH, DR. EDWIN A, b. Arkansas City, Kans. Mar. 11, 31; m. 57; c. 3. SPEECH PATHOLOGY. B.A. Millikin, 56; M.A. Southern Illinois, 58; fel., Nat. Inst. Ment. Health, 62-63; Ph.D. (speech path), Kansas, 65. Speech clinician, med. center, Oklahoma, 58-60; asst. SPEECH PATH, Kansas, 60-62; res. assoc., Bur. Child Res, 63-66; ASST. PROF., INDIANA BLOOM-INGTON, 66- U.S.N., 51-54. Speech & Hearing Assn; Assn. Ment. Deficiency; Acoustical Soc. Am. Communication; mental retardation. Publ: Case his-tory, J. Speech & Hearing Disorders, 67. Address: Speech & Hearing Cen-ter, Indiana University, Bloomington, Ind. 47401.
- LEADER, PROF. ALAN H, b. London, Eng. Nov. 4, 27; U.S. citizen; m. 50; c. 2. SOCIOLOGY, ADMINISTRATIVE SCIENCE. B.S. Rochester, 52, M.S. 60; Ford fel., Indiana, 60-62, Herman B Wells grant, 62-63, D.B.A. (orgn. mgt), 63. Prod. planner, Taylor Instrument Co, 58-56, asst. purchasing agent, 57-60; asst. prof. ADMIN. SCI, WESTERN MICHIGAN, 63-66, assoc. prof., 70, PROF., 70- Participant, Ford Found. Sponsored Workshop in Quant. Res. on Orgn. Behav, Carnegie Inst. Tech, summer 65. Sig.C, U.S.A., 45-46. AAAS; Acad. Mgt/Acad. Polit. & Soc. Sci. Indust. Rels. Res. Assn; Econ. Assn; Sociol. Assn; Inst. Mgt. Sci. Interrelations and effects of individual, group, organizational and task variables on individual and group productivity; individual and group creative problem solving; design and analysis of goal-effective man-machine systems. Publ: Creativity in management, Proc, Midwest Mgt. Conf, 67; co-auth. An investigation into commercial bank reporting systems, Bankers Mag, 67 & How Michigan banks organize their installment lending, Banking, 67. Address: 3816 Wedgwood Dr, Kalamazoo, Mich. 49001.
- LEAF, DR. RUSSELL (CHARLES). Psychology, Biology. See L-Z Vol, 11th ed, Soc. & Behav. Vols. New position & address: Assoc. prof., 69-, Dept. of Psychology, Rutgers, The State University, 88 College Ave, New Brunswick, N.J. 08903.
- LEAFGREN, DR. FREDERICK, b. Galesburg, Ill, July 27, 31; m. 67. PSY-CHOLOGY. B.S. Illinois, 54; M.A. Mich. State, 59, Ph.D. (counseling), 68. Teacher, Knoxville High Sch, 54-56; admin. asst. res. halls, Mich. State, 58-60, col. ed, 60-62; dean men, Slippery Rock State Col, 62-65; ASSOC. PROF. PSYCHOL. & DIR. HOUSING, WISCONSIN STATE-STEPHENS POINT, 65- U.S.A., 58, 62, 1st Lt. Pers. & Guid. Assn. Self-concept and perception of environment related to behavior. Address: Dept. of Psychology, Wisconsin State University-Stevens Point, Stevens Point, Wis. 54481.

- LEAGUE, DR. RICHARD (DOUGLAS). Biologistics, Philosophy of Science. See Suppl. VI to 11th ed, Phys. & Biol. Vols.
- LEAN, DR. DAVID F. b. Launceston, Tasmania, Aug. 22, 35; U.S. citizen; m. 63; c. 2. ECONOMICS. A.B. Mich. State, 59; A.M., 61; Ph.D.(econ), Michigan, 69. Instr. ECON. FRANKLIN & MARSHALL COL., 66-68. ASST. PROF., 68- Econ. Assn. Antitrust policy; industry studies, economics of corporate mergers; public regulation by commissions. Address: Dept. of Economics, Franklin & Marshall College, Lancaster, Pa. 17604.
- LEARN, PROF. ELMER W(ARNER). Agricultural Economics. See L-Z Vol, 11th ed, Soc. & Behav. Vols. New position & address: Exec. v. chancellor, 69-, University of California, Administration Bldg, Davis, Calif. 95616.
- LEASE, PROF. M(ARTIN) HARRY, JR. Public Law, Government. See L-Z Vol, 11th ed, Soc. & Behav. Vols. New information: Also asst. dean, 68-, Graduate School, University of Minnesota, Duluth, Minn. 55812.
- LEAVENWORTH, DR. ANN. History. See Suppl. I to 5th ed, Dir. Am. Scholars.
- LEAVITT, DR. FRANK, b. St. Louis, Mo, May 15, 37; m. 65; c. 2. CLINICAL PSYCHOLOGY. B.A. Harris Teachers Col, 59; U.S. Pub. Health Serv. fel, Washington (St. Louis), 61-64, Ph.D.(psychol), 65. Asst. psychologist, PRESBY-ST. LUKES HOSP. & instr. psychiat, COL. MED, ILLINOIS, 65-69, ASSOC. PSYCHOLOGIST, HOSP. & ASST. PROF. PSYCHOL, UNIV. 69- Psychol. Assn. Attention as related to central nervous system functions; schizophrenia. Publ: EEG activation and reaction time, 68 & Accuracy of report and central reading, 69, J. Exp. Psychol., 69. Address: Section of Psychology, Presbyterian-St. Luke's Hospital, 1753 W. Congress Pkwy, Chicago, Ill. 60612.
- LeBLANC, DR. ROBERT GEORGE, b. Nashua, N.H., Oct. 28, 30; m. 59; c. 3. GEOGRAPHY. B.A., New Hampshire, 59; M.A., Minnesota, 62, Ph.D.(geog), 68. Res. asst. geophys. Air Force Cambridge Res. Inst, 57-58; instr. GEOG, NEW HAMPSHIRE, 63-68, ASST. PROF., 68- U.S.A.F., 49-53. Assn. Am. Geog. Soc.; Can. Assn. Geog. Historical geography of New England. Publ: Acadian migrations, Cahiers de Geographie de Quebec, 12/67; Location of manufacturing in New England in the 19th Century, Dartmouth Col, 70. Address: Dept. of Geography, University of New Hampshire, Durham, N.H. 03824.
- LEBOW, DR. RICHARD NED, b. New York, N.Y., Apr. 24, 42; m. 65; c. 1. POLITICAL SCIENCE. B.A., Chicago, 63; Sterling fel, Yale, 63-64, M.A., 64; Nat. Defense Ed. Act fel, City Univ. New York, 66-68, Ph.D.(polit. sci), 68. ASST. PROF. POL. SCI, CITY COL., NEW YORK, 68-, res. grant, 68-69. Polit. Sci. Assn; Hist. Assn. International relations; comparative politics; revolution. Publ: Woodrow Wilson and the Balfour declaration, J. Mod. Hist., 12/68; The Morgenthau peace mission of 1917, Jewish Soc. Studies, 10/70; Dissonance reduction and social stereotypes: British images of Irish poverty in the 19th century, J. Brit. Studies, (in press). Address: Dept. of Political Science, City College of New York, New York, N.Y. 10031.
- LEBOWITZ, DR. ANNE. Clinical Psychology. See L-Z Vol, 11th ed, Soc. & Behav. Vols. New information: Also assoc. dir., 69-, Division of Social & Community Psychiatry, University of Southern California School of Medicine, 1934 Hospital Place, Los Angeles, Calif. 90033.
- LECHT, DR. LEONARD A. Economics. See L-Z Vol, 11th ed, Soc. & Behav. Vols. New publ: Manpower needs for national goals in the 1970's, Praeger, 69. Address: 8414 Lynwood Place, Chevy Chase, Md. 20015.
- LeCLAIR, PROF. EDWARD E(MILE), JR. Anthropology. See 11th ed, Soc. & Behav. Vols, deceased 69.
- LeCOMPTE, DR. GARE, b. Chicago, Ill, Sept. 15, 37; m. 61; c. 3. POLITICAL SCIENCE, HISTORY. B.A., Washington, 59; Boston, 61-62; Harvard, 62; M.A., American Univ, 63, Ph.D.(polit. sci), 70. Res. assoc. polit. sci, Center Res. Soc. Sys., American Univ, 60-61; analyst, U.S. Dept. State, 61, nat. defense hist. analyst, U.S. Dept. Defense, 61-62; asst. dir., Am. Friends Mid. East, Syria, 62-63; vis. res. scholar, Pennsylvania, 63-64; staff soc. scientist, Gen. Dynamics Corp, 64-67; ADJ. PROF. POLIT. SCI. & HIST., HARTFORD, 67-; RES. SOC. SCIENTIST, CONN. RES. CMN, 68- Vis. prof. Syrian Nat, 62-63; Ford Found. vis. prof, Damascus, 62-63; contrib. historian, oral hist. prof, Columbia Univ, 66- Consult, Mid. East Inst, 62-67; advo. liberty cnt, Inst. Study U.S.S.R, 63-66; Int. Documentation Center, Sweden & Int. Microfilm Center, Leiden, 63-; Inst. Future, 69- Mem. Gov. State Task Force Criminal Justice Info, Conn, 68- Acad. Polit. & Soc. Sci; Mid. East Inst; Mid. East Studies Assn. N.am; Polit. Sci. Assn; Hist. Assn; Royal Cent. Asian Soc. Political and cultural modernization with Soviet Central Asia and the Middle East as primary case studies; development of applied social science research methodology to social and political change. Publ: Co-auth. Propaganda symbols, In: Afghanistan, Turkey, Indonesia, Pakistan, separate books in series, U.S. Govt, 60-61; auth. Cat-eye: history of Air Force research in light amplification, U.S. Govt, 62; Muslims of the USSR, Inst. for Study of USSR, 65. Address: 48 Meadow Lane, Old Saybrook, Conn. 06475.
- LEDERER, PROF. IVO JOHN. Modern East European & Russian History. See 5th ed, Dir. Am. Scholars, Vol. I, Hist.
- LEDERER, DR. WALTHER. Economics. See L-Z Vol, 11th ed, Soc. & Behav. Vols. New position: Int. economist, U.S. Treasury Dept, 69- Address: Hunting Towers W, Apt. 822, Alexandria, Va. 22314.
- LEDERMAN, LEONARD L. b. New York, N.Y., Nov. 23, 31; m. 56; c. 3. ECONOMICS. B.A., City Col. New York, 53; M.A., N.Y. Univ, 57. Head statist. dept, Barnard Res., 52-53; market & sales res, Maidenford, Inc, 53-58; asst. mgr. mfr. dept, secy. cnt. sci. & tech. & cnt. commercial uses of atomic energy, U.S. Chamber of Commerce, 58-62; FEL. & SR. RES. ADV., COLUMBUS LABS, BATTELLE MEM. INST, 63- Mem. sub-cmt. model,
- atomic energy legis, U.S. Standards Inst. AAAS; Econ. Assn; Mgt. Assn; Astron. Soc; World Future Soc. Science and technology policy, planning and budgeting; national goals and priorities; allocation of federal resources; research and development trends in United States and abroad; economics of technological change; corporate planning; interface between social and physical-engineering sciences. Publ: Science policy and arms control, Arms Control & Disarmament Agency, 68; An analysis of the allocation of federal budget resource as an indicator of national goals and priorities, Govt. Printing Off, 69; R&D and national goals and priorities, Proc. Trends in Sci. Policy, 69. Address: Battelle Memorial Institute, 1755 Massachusetts Ave. N.W., Washington, D.C. 20036.
- LEE, DR. CARLETON, b. Clayton, N.C., Mar. 30, 13; m. 61; c. 1. RELIGION, SOCIOLOGY. B.A., Taladega Col, 33; M.A., Chicago, 35, Ph.D., 51; D.B. Chicago Theol. Sem, 37. Dir. relig. life, Dorchester Acad, 35-37; YMCA secy, South. Area. Conn, 39-44; prof. philos. & relig. & dean, Morris Brown Col, 44-45; chaplain, Tuskegee Inst, 47-55; prof. philos. & relig., Tougaloo State, Christian Col, 55-57; Central State, 57-67; sociol. Cheyney State Col, 67-70; BLACK AMERICAN STUDIES, WESTERN MICHIGAN, 70- Kent fel, 49-50; fraternal worker, World Conn. Churches, W. Germany, 53-55; lectr, Emancipation Proclamation Centennial, Wayne State, 63. Assn. Study Negro Life & Hist. Race relations; religion in higher education; ethics and society. Address: Black Americana Studies, Western Michigan University, Kalamazoo, Mich. 49001.
- LEE, PROF. CARSON, b. Columbus, Miss., Nov. 29, 29; m. 57; c. 2. PSYCHOLOGY. A.B., Clark Col, 63; M.A., Atlanta, 56; Ed.D.(counseling), Indiana, 60. Teacher, Ogleshorpe County Training Sch, 56-57; pub. sch, Ga. 57-58; PROF. psychology, Albany State Col, 60-64; PSYCHOL. & ED., CLARK COL, 64-, DIR. UPWARD BOUND PROG, 67- Fel, Minnesota, 66. Mem. Nat. Steering Cmt. for Upward Bound Progs, 68- U.S.A., 53-55. Personnel & Guid. Assn. Cultural deprivation; small group counseling and testing. Publ: The effectiveness of a summer institute & Duties and functions of chairmen of departments and divisions, Albany State Col, J. 63; Upward bound - a summer phase, GTEA-Herald, 68. Address: 775 Lynn Circle S.W., Atlanta, Ga. 30311.
- LEE, PROF. CHARLES EDGAR. Economics. See L-Z Vol, 11th ed, Soc. & Behav. Vols. New information: Retired, Univ. Brit. Columbia, 68. Address: 5134 Pittcain Place, West Vancouver, B.C., Can.
- LEE, PROF. EUGENE CANFIELD. Political Science. See L-Z Vol, 11th ed, Soc. & Behav. Vols. New position: Prof. 69-, Dept. of Political Science, University of California, Berkeley, Calif. 94720.
- LEE, PROF. FLORENCE HENRY. Educational Psychology. See L-Z Vol, 11th ed, Soc. & Behav. Vols. New position: Prof. ed. & coordinator of Teacher ed., 69-, Douglass College, Rutgers, The State University, New Brunswick, N.J. 08901.
- LEE, DR. GUY ANDERSON. American History, International Relations. See 5th ed, Dir. Am. Scholars, Vol. I, Hist.
- LEE, DR. JAMES FRANK, b. Etawah, Ala., May 30, 37; m. 63. PSYCHOLOGY. B.S., Alabama, 60; M.A., 64, Ph.D.(ed. psychol), 66. Probn. officer, Juvenile & Domestic Reels. Court, Tuscaloosa, Ala., 59-63, asst. chief probn. officer, 63-64; asst. prof. psychol, MIDDLE TENN. STATE, 66-69, ASSOC. PROF. PSYCHOL. & DIR. LAW ENFORCEMENT ED. PROG, 69-, DIR. DIAG. CENTER, 70- Nat. Inst. Crim. Justice res. grant, 69; consult, State Dept. Corrections, Tenn. 69- Psychol. Assn; Am. Correctional Psychol; Correctional Assn. Psychology; law corrections and law enforcement. Publ: A study of certain characteristics of juvenile offenders in Middle Tennessee. Grad. Faculty Res. Cmt, Middle Tenn. State Univ, 67 & Correctional Psychologist, 68; co-auth. The influence of test anxiety on the selection of relevant from irrelevant information, J. Ed. Res., 69. Address: Dept. of Psychology, Box 238, Middle Tennessee State University, Murfreesboro, Tenn. 37130.
- LEE, DR. JOAN C(OOK). Psychology. See L-Z Vol, 11th ed, Soc. & Behav. Vols. New position: Asst. prof. psychol, Transylvania, 69- Address: 161 Woodland Ave, Lexington, Ky. 40502.
- LEE, DR. JOHN M(ARTIN). Psychological Acoustics, Neurophysiology. See Suppl. V to 11th ed, Phys. & Biol. Vols.
- LEE, DR. JOJOIN, b. Seoul, Korea, Dec. 20, 34; U.S. citizen; m. 63; c. 1. POLITICAL SCIENCE. B.A., Chosun Christian Univ, 57; M.A., North Dakota, 58; Ph.D.(polit. sci), Illinois, 62. Instr. POLIT. SCI, MINNESOTA, MORRIS, 61-62, asst. prof. 62-65, ASSOC. PROF, 65- Nat. Sci. Found. award, 65; faculty res. grant & Off. Int. Progs, grant, Minnesota, Morris, 66; Nat. Found. Arts & Humanities & Well Found. fel, 67; Soc. Relig. in High Ed. fel, 69-70. Polit. Sci. Assn. Political theory; Asian regional studies. Publ: The status of political theory in the study of politics, J. Minn. Acad. Sci., summer 65, Democracy on trial in Asia, spring 67 & Komeito shogakukan-ism in Japanese politics, Asian Survey, 6/70. Address: 304 University Ave, Morris, Minn. 56267.
- LEE, DR. MARILYN C(AIRNS). Psychology. See L-Z Vol, 11th ed, Soc. & Behav. Vols. New information: Independent res, 68- Address: 235 E. 57th St, New York, N.Y. 10022.
- LEE, PROF. ROBERT. Sociology of Religion. See 5th ed, Dir. of Am. Scholars, Vol. IV, Philos., Relig., and Law.
- LEE, DR. SANG M(OON), b. Seoul, Korea, Apr. 1, 39; m. 68; c. 1. MANAGEMENT, MANAGEMENT SCIENCE. B.A., Seoul, 61; M.B.A., Miami (Ohio), 63; Ph.D.(bus), Georgia, 69. ASST. PROF. MGT, VA. POLYTECH, 68- Acad. Mgt; Inst. Mgt. Sci; Inst. Decision Sci. Application of quantitative techniques to functional areas of management and to behavioral science. Publ: Organiza-

- tional identification of scientists, Acad. Mgt. J. 9/69; co-auth. Analyzing time based data, Chem. Eng. 10/69 & Application of goal programming to the textile industry, Rev. Indust. Mgt. 1/70. Address: 104 Terrace View, Blacksburg, VA 24060.
- LEE, PROF. SHU-CHING. Sociology. See L-Z Vol. 11th ed, Soc. & Behav. Vols. New position: Prof. sociol. 69; Dept. of Sociology & Anthropology, Ohio University, Athens, Ohio 45701.
- LEE, DR. SOON WON. Political Science. See LEE, DR. STEWART S. this Suppl.
- LEE, DR. STEWART S. b. Pyungyang, Korea, Sept. 7, 35; m. 64; c. 2. POLITICAL SCIENCE. B.A. Westminster Col. (Pa.), 59; M.A. Rutgers, 60, Free Europe Cmt. fel. 60-61, Louis Bevier fel. 62-63, Ph.D. (polit. sci.), 67. Asst. to rev. ed. J. Asian Studies, 62-63; instr. POLIT. SCI., MUEHLENBERG COL., 63-66, asst. prof. 66-69, ASSOC. PROF. 69- Instr. Univ. Col. Rutgers, 62-63; Am. Philos. Soc. res. & travel fel. 66-67; Muehlenberg Col. rep. to E. Asia Studies Prog. Five Col. Consortium, 66-67. Asn. Asian Studies; Polit. Sci. Asn. Governments and politics of East Asia-Korea, China, and Japan; contemporary international relations in East Asia. Publ. Syngman Rhee, Encyclop. Americana, 63; The Korean minority in postwar Japan, In: Muehlenberg Essays, Muehlenberg Col., 69; co-auth. Japanese imperialism and aggression: reconsidered, J. Asian Studies, 63. Address: 3949 Wordsworth St., Allentown, Pa. 18104.
- LEE, PROF. TONG HUN, b. Seoul, Korea, Nov. 20, 31; U.S. citizen; m. 60; c. 2. ECONOMICS. B.S. Yon-Sae Univ, Korea, 55; B.A. Northeast Mo. State Col., 56; M.A. Wisconsin, 58, Ph.D. (econ), 61. Asst. prof. ECON. Tennessee, 62-64, assoc. prof. 64-67; PROF. WISCONSIN-MILWAUKEE, 67- Dir. res. grants, Tenn. State, 64-67 & Nat. Sci. Found. 65-67. Econ. Asn. Finance Asn.; Statist. Asn.; Economet. Soc. Consumer behavior in asset holdings, housing expenditures and consumption; monetary economics related to the definition of money and the demand function for money; statistical methods on discriminant function and the Bayesian estimation. Publ. Co-auth. Joint estimation of relationships involving discrete random variables, Econometrica, 4/65; auth. Alternative interest rates and the demand for money, Am. Econ. Rev. 12/67 & Housing and permanent income: tests based on a three-year reinterview survey, Rev. Econ. & Statist. 11/68. Address: Dept. of Economics, University of Wisconsin-Milwaukee, Milwaukee, Wis. 53201.
- LEE, DR. TSOUNG-CHAO, b. Taipei City, Taiwan, Oct. 25, 35; m. 64; c. 2. AGRICULTURAL ECONOMICS. B.S. Taiwan, 58; Agr. Develop. Coun. N.Y. travelship, Illinois, Urbana, 63, M.S. 65, Wright & univ. fel. 65-67, Ph.D. (agr. econ), 67; Cmt. Inst. Coop. travel scholar, Wisconsin, summer 66. Asst. Agr. Econ. Taiwan, 60-63; Illinois, Urbana, 63-65; ASST. PROF. CONNECTICUT. Ed. collab. Am. Statist. Asn. 69. Chinese, Webb, 58-60, 2nd Lt. Agr. Econ. Asn.; Economet. Soc. Development of appropriate techniques of classical and Bayesian statistical inference for the use of the passively generated economic data and their applications in agricultural economics. Publ. Co-auth. Estimating the parameters of the Markov probability model from aggregate time series data, North-Holland, Amsterdam & London, 70. On estimating the transition probabilities of a Markov process, J. Farm Econ. 8/65 & Maximum likelihood and Bayesian estimation of transition probabilities, J. Am. Statist. Asn. 12/68. Address: Dept. of Agricultural Economics, University of Connecticut, Storrs, Conn. 06268.
- LEESTMA, DR. ROBERT. Education. See L-Z Vol. 11th ed, Soc. & Behav. Vols. New position: Assoc. cmr., 68- Institute of International Studies, U.S. Office of Education, Seventh & D St. S.W., Washington, D.C. 20202.
- LEFFORCE, PROF. ROXY. Sociology. See L-Z Vol. 11th ed, Soc. & Behav. Vols. New information: Emer. prof. Huntington Col., 69-70. Address: 1945 Fruit St., Huntington, Ind. 46750.
- LEFKOWITZ, DR. MONROE (MILTON). Psychology. See L-Z Vol. 11th ed, Soc. & Behav. Vols. New position & address: Prin. res. scientist, 69- New York State Dept. of Mental Hygiene, 44 Holland Ave, Albany, N.Y. 12208.
- LEFLAR, PROF. ROBERT A. (LEN). Law. See 5th ed, Dir. Am. Scholars, Vol. IV, Philos. Relig. & Law.
- LEFTON, DR. THEODORE EDWARD. Clinical Pharmacology. See Suppl. V & VI to 11th ed, Phys. & Biol. Vols.
- LEFTWICH, DR. WILLIAM (HENSLEY). Psychology. See L-Z Vol. 11th ed, Soc. & Behav. Vols. New information: Also assoc. dean summer sch., 68- University of Richmond, Box 38, Richmond, Va. 23173.
- LE FURGY, DR. WILLIAM GODFREY. Psychology. See L-Z Vol. 11th ed, Soc. & Behav. Vols. New position & address: Assoc. res. scientist, 69- New York State Dept. of Social Services, Bureau of Social Research, 1450 Western Ave, Albany, N.Y. 12203.
- LEHMAN, DR. EDWARD W. b. Regensburg, Germany, Feb. 7, 36; U.S. citizen; m. 63; c. 1. SOCIOLOGY. B.S. Fordham, 56, M.A. 59, Ph.D. (sociol.), Columbia, 66. Res. sociologist, med. col. Cornell, 61-65, res. fel. med. 65-67; ASST. PROF. SOCIOL. N.Y. UNIV. 67- Nat. Insts. Health grant & consult. dir. human ecol. med. col. Cornell, 67-68; Nat. Inst. Ment. Health study grant, Center for Policy Res. 69- U.S.A. 57-67, Capt. Social. Asn. Political sociology; inter-organizational relations; social factors in coronary heart disease. Publ. Co-auth. Some dangers in social measurement, Ann. Acad. Polit. & Soc. Sci. 9/67; auth. Opportunity, mobility and satisfaction within an industrial organization, Soc. Forces, 6/68 & Toward a macro-sociology of power, Am. Sociol. Rev. 8/69. Address: 2431 Webb Ave, Bronx N.Y. 10468.
- LEHMANN, DR. LELAND (CHARLES). Economics. See L-Z Vol. 11th ed, Soc. & Behav. Vols. Correction: Chmn. 68-, Dept. of Economics & Business, Bluffton College, Bluffton, Ohio 45817.
- LEHMANN, DR. DONALD (RUDYARD). b. Schenectady, N.Y., Oct. 16, 44; m. 64; c. 1. BUSINESS ADMINISTRATION. B.S. Union Col. (N.Y.), 66; M.S.I.A. Purdue, 67, Nat. Defense Ed. Act fel. & Ph.D. (consumer choice), 69. ASST. PROF. MKT. & QUANT. METHODS, COLUMBIA, 69- Marketing; quantitative methods. Address: 25 Dwars Kill Lane, Norwood, N.J. 07048.
- LEHMANN, DR. GLENN ALBERT. Economics. See L-Z Vol. 11th ed, Soc. & Behav. Vols. New position: Assoc. asst. adv. econ. policy, 68- U.S. Agency for International Development, U.S. Dept. of State, Washington, D.C. 20523.
- LEHMANN, DR. MICHAEL ROAS. b. New York, N.Y., Nov. 6, 41; m. 68; c. 1. ECONOMICS, ECONOMIC HISTORY. B.A. Grinnell Col., 62, Ph.D. (econ), Cornell, 69. ASST. PROF. ECON. SAN FRANCISCO, 66- Econ. Amer. econ. history. Address: Dept. of Economics, University of San Francisco, San Francisco, Calif. 94117.
- LEHMANN, PROF. WILLIAM C. (CHRISTIAN). Sociology. See L-Z Vol. 11th ed, Soc. & Behav. Vols. New publ. Henry Home Lord Kames and the Scottish enlightenment, M. Nijhoff, The Hague, 70. Address: 2200 19th St. N.W., Apt. 805, Washington, D.C. 20009.
- LEHRHOFF, DR. IRWIN. b. Newark, N.J., June 4, 29; m. 52; c. 4. SPEECH PATHOLOGY. B.A. Southern California, 49, M.A. 51, Ph.D. (speech), 54. Chief speech pathologist, Harbor Gen. Hosp. 54-55, Speech clin. Harbor Gen. Hosp. 55-58; SPEECH PATHOLOGIST & PSYCHOLOGIST, CHILDRENS MED. GROUP, LOS ANGELES, 55-; SPEECH PATHOLOGIST, CEDARS-SINAI MED. CENTER, 67-; DIR. SPEECH PATH. DEPT. WEST-SIDE HOSP., 67- Consult. hosps. chn., convalescent hosps. & home health agencies. Mem. bd. dir. Reiss-Davis Child Study Center, Thalian, Clin. Psychol. Asn.; Speech Asn.; Am. Speech & Hearing; Asn.; Orthoptichol. Asn. N.Y. Acad. Sci.; Acad. Speech Path. & Audiol. Private Practice. School placement testing; counseling and guidance. Publ. Speech problems in children, J. Pediatr. co-auth. Pathogenesis and treatment of vocal nodules, J. Speech & Hearing Disorders, 5/62. Address: 465 N. Roxbury Dr., Beverly Hills, Calif. 90210.
- LEIBOWITZ, PROF. HERSHEL (WELDON). b. York, Pa., Feb. 21, 25; m. 49; c. 2. EXPERIMENTAL PSYCHOLOGY. B.A. Pennsylvania, 48; Paris, 45-46; M.A. Columbia, 50, Ph.D. (psychol.), 51. Instr. psychol. Wisconsin, Madison, 51-53, res. assoc. psychol. 53-56, asst. prof. psychol. 53-57, assoc. prof. 57-60, prof. 60-61; mgr. behav. sci. Int. Bus. Mach. Corp. N.Y. 61-62, adv. psychologist, Md. 60-61; PROF. PSYCHOL. PA. STATE, 62- Guggenheim fel. Max Planck Inst. Physiol. Behavior, 57-58; summers, vis. prof. Michigan, 62, Mass. Inst. Tech. 62, vis. scientist, U.S.-Japan Coop. Sci. Prog. 65. Consult. Vet. Admin. 59-; Inst. Defense Anal. 64-; Instr. Percept. Netherlands, 67. Consult. ed. J. Exp. Psychol., 60-; Psychol. Bull., 64-68, Science, 64-; Psychologische Forschung, 65- & Perception & Psychophys. 69- Mem. psychobiol. panel, Nat. Sci. Found. 62-65; vision cmt, Nat. Res. Coun. 62-; exp. psychol. study sect, Nat. Insts. Health, 70- U.S.A. 43-46. AAAS; Psychol. Asn.; Inst. Physics; Human Factors Soc. Vision; perception; quantitative methods; human factors; engineering psychology; image processing; evolution of internal city form. Publ. Speciality retailing: a geographical analysis, Tantalus, 66; Factors affecting the location of industry within cities, Can. Geogr., 69. Address: Dept. of Geography, University of British Columbia, Vancouver, B.C., Can.
- LEIDING, DR. JAMES (HERMAN). Sociology. See L-Z Vol. 11th ed, Soc. & Behav. Vols. Change of address: R.D. 1, Box 259A, East Stroudsburg, Pa. 18301.
- LEIDY, DR. THOMAS R. (OSS). Psychology. See L-Z Vol. 11th ed, Soc. & Behav. Vols. New position & address: Mgr. advert. res. 68-, Coca Cola Co. P.O. Drawer 1734, Atlanta, Ga. 30301.
- LEIGH, DR. DUANE E. b. Spokane, Wash. July 20, 42; m. 70. ECONOMICS. B.A. Washington State, 64; M.A. Mich. State, 66, Ph.D. (econ), 69. Asst. instr. ECON. Mich. State, 65-68; ASST. PROF. WASHINGTON STATE, 68- Econ. Asn. Examining the economics of the military draft. Address: Dept. of Economics, Washington State University, Pullman, Wash. 99163.
- LEIGH, DR. ROGER. b. Warrington, Eng. Aug. 29, 40; m. 62; c. 2. GEOGRAPHY. B.Sc. London, 63, Ph.D. (urban geog.), 69; M.A. British Columbia, 65. ASST. PROF. URBAN GEOG. BRITISH COLUMBIA, 67- Nat. Adv. Cmt. Geog. Res. grant, 69. Regional Studies Asn.; Asn. Pac. Coast Geog. Can. Asn. Geog. Comparative analysis of urban functions; regional variations in urban growth; evolution of internal city form. Publ. Speciality retailing: a geographical analysis, Tantalus, 66; Factors affecting the location of industry within cities, Can. Geogr., 69. Address: Dept. of Geography, University of British Columbia, Vancouver, B.C., Can.
- LEIGHTON, DR. RICHARD M. History. See 5th ed, Dir. Am. Scholars, Vol. I, Hist.
- LEIJONHUFVUD, DR. AXEL S. (TIG) (BENGTT). b. Stockholm, Sweden, Sept. 6, 33; m. 55; c. 3. ECONOMICS. Fil. Kand. Lund, 60; M.A. Pittsburgh, 61; fel. Brookings Inst. 63-64; Ph.D. (econ), Northwestern, 67. Acting asst. prof. ECON. CALIFORNIA, 64- LOS ANGELES, 64-66, lect. 66-67. ASSOC. PROF. 67- Vis. prof. Stockholm Sch. Econ. & Commerce, 69. Swedish Army, 54-56, Res. 56-65, 1st Lt. Am. Econ. Asn. Swedish Nat. Econ. Soc. Economic theory, especially monetary theory; history of economic doctrines. Publ. On Keynesian economics and the economics of Keynes: a study in monetary theory, Oxford, 68; Keynes and the classics: two lectures, Inst. Econ. Affairs, 69; Keynes and the effectiveness of monetary policy, West. Econ. J., 68. Address: Dept. of Economics, University of California, 405 Hilgard Ave, Los Angeles, Calif. 90024.
- LEIK, PROF. ROBERT K. (ENDRIC). b. Dubuque, Iowa, Nov. 26, 30; m. 69. SOCIOLOGY. B.A. Oregon, 53; M.S. Wisconsin, 57, Knapp fel. 58-59, Ph.D. (sociol.), 60. Asst. prof. SOCIOL. WASHINGTON (SEATTLE), 60-64, assoc. prof. 64-68, PROF. 68- Res. coordinator, Wash. Inst. Sociol. Res. 65-67, dir. 67- Consult. Puget Sound Govt. Conf. 62-63; Sociometry, 65-66; Stan-

- ford Res. Inst. 69- AAAS; Sociol. Assn; Nat. Coun. Family Rel; Soc. Exp. Social Psychol. Experimental social psychology; mathematical sociology; sociological statistics and research methodology; family. Publ: Co-auth. Deductions from axiomatic theory, 12/64 & A scale for developmental processes, 2/68. Am. Sociol. Rev. auth; The distribution of acts in small groups, Sociometry, 9/67; plus others. Address: Dept. of Sociology, University of Washington, Seattle, Wash. 98105.
- LEINFELLNER, PROF. WERNER. Philosophy. See 5th ed, Dir. Am. Scholars, Vol. IV, Philos. Relig. & Law.
- LEININGER, DR. WILLIAM J(OSEPH). Economics. See L-Z Vol, 11th ed, Soc. & Behav. Vols. New position: V-pres, Opers. Res. Inc, 69- Address: 2015 Lanier Dr, Silver Spring, Md. 20910.
- LEISINGER, ALBERT H. American History. See 5th ed, Dir. Am. Scholars, Vol. I, Hist.
- LELAND, DR. HENRY. Psychology. See L-Z Vol, 11th ed, Soc. & Behav. Vols. New position: Assoc. prof. psychol, Ohio State, 70-; Chief psychol, Ment. Retardation Training Prog, 70- Address: Mental Retardation Training Program, 9 West Buttes Ave, Columbus, Ohio 43215.
- LELAND, DR. LOUIS S, JR. b. San Juan, P.R. Sept. 16, 41. PSYCHOLOGY. B.A., Maryland, 62; Ph.D.(psychol), Tennessee, 69. Instr. PSYCHOL, Texas Christian, 68-69, asst. prof, 69; LEICHR, MARY UNIV, 70- AAAS; Animal Behav. Soc. Animal behavior; Imitation numerical concept and reversal learning. Publ: Empathic-imitative-observational learning in Peking ducklings, Psychonomic Bull, 67. Address: Dept. of Psychology, Massey University, Palmerston North, N.Z.
- LELONG, DR. DONALD C. Economics. See L-Z Vol, 11th ed, Soc. & Behav. Vols. Change of address: Office of Institutional Research, University of Michigan, 6060 Administration Bldg, Ann Arbor, Mich. 48104.
- LEMELIN, PROF. CHARLES. Economics. See 11th ed, Soc. & Behav. Vols, deceased 68.
- LEMELLE, DR. TILDEN J. Political Science, International Relations. See L-Z Vol, 11th ed, Soc. & Behav. Vols. New position & address: Assoc. dir, 69- Center on International Race Relations, Graduate School of International Studies, University of Denver, Denver, Colo. 80210.
- LEMESHOW, PROF. SEYMOUR. Education, Psychology. See L-Z Vol, 11th ed, Soc. & Behav. Vols. New position: Prof, Trenton State Col, 68- Address: 15 Bedford Rd, Kendall Park, N.J. 08824.
- LEMONS, DR. HOYT. Geography. See L-Z Vol, 11th ed, Soc. & Behav. Vols. New position: Ch. scientist, 69-, U.S. Army Res. & Develop. Group, Europe, APO New York 09757.
- LENNHAN, DR. PATRICK M(ENER), b. Omaha, Nebr. Aug. 26, 37; m. 60; c. 3. ECONOMICS. B.A. Creighton, 59; Ph.D.(econ), Wisconsin, 68. Instr. ECON, Marquette, 62-67; ASST. PROF. EASTERN ILLINOIS, 67- Econ. Assn; Indust. Rel. Res. Assn; Assn. Evolutionary Econ. Economic effects of minimum wage laws. Publ: A comment on wage adjustment and profit rates, Indust. & Labor Rel. Rev, 4/70. Address: Dept. of Economics, Eastern Illinois University, Charleston, Ill. 61920.
- LENN, DR. THEODORE I. Sociology, Social Psychology. See L-Z Vol, 11th ed, Soc. & Behav. Vols. New position: Consult. & res. sociologist, Theodore I. Lenn, Ph.D. & Assocs, 69- Address: 8 Fairway, West Hartford, Conn. 07117.
- LENTNEK, DR. BARRY, b. Brooklyn, N.Y. Dec. 14, 38; m. 60; c. 1. GEOGRAPHY. A.B. City Univ. New York, 60; M.A., 61; fels, Hopkins, 61-62 & 64, Ph.D.(geog), 66. Teacher, jr. high sch, N.Y.; 60; instr. GEOG, Essex Community Coll, 62-63; asst. prof, Arizona, 64-65; Ohio State, 65-70; ASSOC. PROF., STATE UNIV, N.Y. BUFFALO, 70- Teaching asst, Hopkins, 62-63; res. assoc. Natural Resources Inst, Ohio State, summer 65. Res. asst, Nat. Sci. Found, 63, prin. investr, 68-70. Chmn. exec. com, Conf. Latin Americanist Geogr, 68-70. Assn. Am. Geogr. Regional Sci. Assn. Spatial aspects of economic development in Latin America; recreational geography. Publ: Ed. Latin American geography: an agenda for the seventies, Ball State Univ, 71; auth, Transition from subsistence to commercial agriculture: A case study of El Llano, Aguas Calientes, Mexico, Ann. Assn. Am. Geogr, 3/69; co-auth, Spatial behavior in recreational behavior: a case study in Ohio, J. Leisure Res, spring 69. Address: Dept. of Geography, State University of New York at Buffalo, Amherst, N.Y. 14226.
- LEONARD, PROF. GEORGE EDWARD, b. Pittsfield, Mass. Nov. 12, 31; m. 61; c. 2. PSYCHOLOGY. B.S. Mass. State Col, 53; M.A. Columbia, 54, Ed.D.(counseling), 60. Asst. prof. PSYCHOL, Long Island, 58-60; Kent State, 60-62; PROF., WAYNE STATE, 62- Psychol. Assn; Nat. Voc. Guid. Assn. Psychology and counseling of inner city youth. Publ: Co-auth, The elementary counselor, Savorand, 67; auth, Developmental career guidance, Wayne State Univ, 68; co-auth, The authentic counselor, Prentice-Hall, 71. Address: Dept. of Psychology, Wayne State University, Detroit, Mich. 48202.
- LEONARD, PROF. JOHN W, b. Yonkers, N.Y. May 22, 19; m. 43. ECONOMICS, INDUSTRIAL & LABOR RELATIONS. B.S. Arizona, 52, M.A., 55; Burt Wilder fel, Cornell, 54, Ph.D.(indust. & labor rels), 58. Asst. prof. econ, Arizona, 57-60, assoc. prof, 60-64, prof, 64-69, dir. inst. indust. & labor rels, 61-69; PROF. ECON, SOUTHERN ILLINOIS, 69- Mem. Nat. Panel of Arbitrators, Fed. Mediation & Conciliation Serv. & Am. Arbit. Assn, 61-; app. Pub. Employ. Disputes Settlement Panel, Wash, D.C., 69- U.S.A.A.F., 42-46, S/Sgt. Nat. Acad. Arbit; Econ. Assn; Indust. Rel. Res. Assn; Assn. Evolutionary Econ. Collective bargaining and dispute settlement in the public sector and various aspects of arbitration in public and private sectors; manpower and labor market problems in the public sector. Publ: Dismissal for off-the-job criminal behavior, 11/67 & Discipline for off-the-job activities, 10/68, Monthly Labor Rev; Guidelines for off-the-job discipline and discharge, Personnel Admin, 11-12/69. Address: Dept. of Economics, Southern Illinois University, Edwardsville, Ill. 62025.
- LEONARD, DR. LOUISE C(ARRELL). Educational Psychology. See L-Z Vol, 11th ed, Soc. & Behav. Vols. New position: Coordinator practicum, univ. counseling center, Wisconsin, Madison, 68- Address: 5130 Juneau Rd, Madison, Wis. 53705.
- LEONE, DR. MARK P, b. Waltham, Mass. June 26, 40. ANTHROPOLOGY, ARCHAEOLOGY. A.B. Tufts, 63; M.A. Arizona, 65, Ph.D.(anthrop), 68; Harvard, 65-66. ASST. PROF. ANTHROP, PRINCETON, 68- Cmt. res. soc. sci. & humanities grant, Princeton, 69, univ. res. bd. grant, 70. Asst. dir, Southwest archaeol. exp. Field Mus. Natural Hist, 67-69. AAAS; Anthrop. Assn; Soc. Am. Archaeol. Archaeol. Inst. Am. Southwestern archaeol. exp. and ecology, cultural evolution. Publ: Neolithic economic autonomy and social distance, Science, 12/68. Address: Program in Anthropology, Princeton University, Princeton, N.J. 08540.
- LEONHARD, DR. DIETRICH L(OUIS). Business Economics. See L-Z Vol, 11th ed, Soc. & Behav. Vols. Change of address: Dietz Leonard Corp, 410 N. Michigan Ave, Chicago, Ill. 60610.
- LEONS, DR. MADELINE BARBARA, b. New York, N.Y. Aug. 27, 38; m. 60; c. 2. SOCIAL ANTHROPOLOGY. B.A. Brandeis, 59; fels, California, Los Angeles, 59-60 & 63-65; M.A., 62, Ph.D. 66. Instr. ANTHROP, Southern California, 65-66; ASST. PROF., PITTSBURGH, 66- Nat. Sci. Found. res. grant, 68-69. Fel. Anthropol. Assn. Bolivia; social stratification and pluralism; peasant economics. Publ: Land reform in the Bolivian Yungas, Am. Indigena, 10/67; Stratification and pluralism in the Bolivian Yungas, In: The social anthropology of Latin America: essays in honor of Ralph Leon Beals, Univ. Calif, 70; co-auth, Agrarian reform and economic change in Nor Yungas, Bolivia, B.A. Rev. Mex. Amer. Indigena, 1970 (in press). Address: Dept. of Anthropology, University of Pittsburgh, Pittsburgh, Pa. 15213.
- LEPPER, DR. MARY K, b. Philadelphia, Miss. June 12, 30; m. 47; c. 2. POLITICAL SCIENCE, COMPARATIVE POLITICS. B.A., Calif. State Col, Fullerton, 61; Ph.D. gov. M.A. State, 66. ASST. PROF. POLIT. SCI., CALIF. STATE COL. FULLERTON, 65- Participant, Off. Ed. Univ. California, Los Angeles African Studies Summer Inst, 68-69. Polit. Sci. Assn; African Studies Assn. Foreign policy formulation; relations between state and defense; role of interest groups in foreign policy formulation; political communication in Africa. Publ: Foreign policy formulation: demands and supports, C.E. Merrill, 70; co-auth, Framework of American politics, Wiley, 70; auth, Analytic methods in comparative politics, Prentice-Hall, 71. Address: Dept. of Political Science, California State College at Fullerton, 800 N. State College Blvd, Fullerton, Calif. 92631.
- LEPPMANN, DR. PETER K. Experimental Psychology. See Suppl. VI to 11th ed, Phys. & Biol. Vols.
- LERMAN, DR. JAY WILLIAM, b. Philadelphia, Pa. May 29, 29; m. 54; c. 3. SPEECH PATHOLOGY, AUDIOLOGY. B.A. Temple, 55, M.A., 57; Ph.D. (speech), Pittsburgh, 61. Instr. SPEECH, Pittsburgh, 60-61, asst. prof, 61-66; ASST. PROF., ASSOC. PROF., 65- Lectr. Cognition, Univ. Pa., 66; Dept. Health, Ed. & Welfare res. proj. grant, Utrecht, Netherlands, 68-69. Dir, speech & hearing ed, Newtoning Hosp. for Crippled Children, Conn, 61-U.S.A.F., 46-49, Sgt. Speech & Hearing Assn.(found. award, 60); Cleft Palate Assn. Sluttering; laryngectomy. Publ: Co-auth, The effect of situational difficulty on stuttering, J. Speech & Hearing Res, 9/65; auth, A laryngeal voice production, Conn. Med, 4/66; co-auth, Hearing-aid usage and its effect upon residual hearing, Arch. Otolaryngol, 12/67. Address: Dept. of Speech, University of Connecticut, Storrs, Conn. 06268.
- LERMER, DR. GEORGE, b. Luckj, Poland, Oct. 18, 39; Can. citizen; m. 63; c. 4. ECONOMICS. B.Sc. Mass. Inst. Tech, 60; Ford Found. fel, Pennsylvania, 61-62; M.A. McGill, 63, Ph.D.(econ), 70; Can. Coun. fel, London Sch. Econ, 69-70. Asst. prof. econ. theory, Ont. Agr. Col. Univ. Toronto, 62-63; instr. ECON, British Columbia, 63-64; sessional lectr. SIR GEORGE WILLIAMS, 64-65, asst. prof, 65-69, ASSOC. PROF. 69- Dynamic general equilibrium models. Publ: Co-auth, Canadian money and banking, 2nd ed, McGraw, 69; auth, Dynamic analysis of the Walrasian Tâtonnement, Can. Econ. J., 8/70. Address: Dept. of Economics, Sir George Williams University, Montreal, Que. Can.
- LESAR, DR. DAVID J, b. Cass Lake, Minn. Apr. 10, 37; m. 61; c. 1. COUNSELLING PSYCHOLOGY. B.S. St. Cloud State Col, 60; M.A., 63, Ph.D. Defense Ed. Act Inst. Missouri, 63-64; Ed.D.(counseling psychol), Indiana, 67. Prin. Wales High School, 60-61; sch. couns, McGregor High School, 62-63; couns, Northern Illinois, 64-66; vis. lectr, Indiana, 66; ASSOC. PROF. PSYCHOL, ST. CLOUD STATE COL, 67- Sensitivity trainer, Wichita Univ. summer 69; ed. & counseling counsult, Minn. Dept. Employ. Security, 68- Ed. Research Assn. Personnel & Guid. Assn. Publ: Criteria administrators use in selection of counselors, Sch. Couns., 9/69 & GATE psychomotor performance by rehabilitation clients with psychotic and neurotic histories, Rehab. Bull, winter 70. Address: Dept. of Psychology, St. Cloud State College, St. Cloud, Minn. 56301.
- LESHNER, DR. MARTIN. Psychology. See L-Z Vol, 11th ed, Soc. & Behav. Vols. New position: Assoc. prof. Temple, 70-, dir. training, 69- Address: Temple University Health Science Center, Philadelphia, Pa. 19140.
- LESHNER, PROF. SAUL S. Psychology. See L-Z Vol, 11th ed, Soc. & Behav. Vols. New position: sch. bus. admin, 70- Address: 7 Loucroft Rd, Haddon Heights, N.J. 08035.
- LESLIE, PROF. GERALD R(ONNELL). Sociology. See L-Z Vol, 11th ed, Soc. & Behav. Vols. Change of address: 2015 N.W. 27th St, Gainesville, Fla. 32601.
- LESTER, DR. DAVID, b. London, Eng, June 1, 42; m. 67. PSYCHOLOGY. B.A. Cambridge, 64, M.A., 68; M.A. Brandeis, 66, Ph.D.(psychol), 68. Instr.

- psychol. Wellesley Col., 67-68, asst. prof., 68-69; RES. DIR. SUICIDE PREV. & CRISIS SERV., 69. Nat. Inst. Ment. Health res. grant, 67-68. AAAS; Am. Sociodology. Suicide; death; curiosity; exploratory behavior; methodology in psychology. Publ: Explorations in exploration, Van Nostrand, 69; Experimental and correlational studies of the fear of death, Psychol. Bull., 67 & Suicidal behavior in men and women, Ment. Hyg., 69. Address: 45 Brantford Place, Buffalo, N.Y. 14222.
- LESTER, DR. GENE ALICE. Psychology. See L-Z Vol, 11th ed, Soc. & Behav. Vols. New position: Asst. prof., 69., Dept. of Psychology, State University of New York College at Buffalo, 1300 Elmwood Ave, Buffalo, N.Y. 14222.
- LESTER, DR. ROBERT CARLTON. Comparative Religion. See 5th ed, Dir. Am. Scholars, Vol. IV, Philos. Relig. & Law.
- LESTER, DR. W. BERNARD. b. Havana, Fla., Jan. 9, 39; m. 61; c. 1. AGRICULTURAL ECONOMICS. B.S.A. Florida, 61, M.S.A. 62; Ph.D. (agr. econ), Texas A&M, 65. Agr. economist, Texas A&M, 65-67; res. economist, Fla. Citrus Cmn., 67-69, DIR. ECON. RES. DEPT., FLA. DEPT. CITRUS, 69. U.S.A.R. 56-59. Agr. Econ. Asn. Mkt. Asn. Economic and market development research for agricultural commodities utilizing experimental designs, consumer surveys and analysis of secondary data to provide industry groups specific recommendations. Publ: Florida citrus in a changing environment—have you bought a new book? Citrus Indust., 2/69; Imports and exports—implications for the Florida citrus grower, 4/69 & The effect of size and type of display on sales of fresh Florida oranges, 9/69, Fla. Citrus Cmn. Address: Economic Research Department, 1107 McCarty Hall, University of Florida, Gainesville, Fla. 32601.
- LETHCORTH, DR. GEORGE ALLEN. b. Liberty, Mo., Jan. 20, 40; m. 64. SOCIAL PSYCHOLOGY. B.A. Oklahoma Baptist, 62; M.S. Oklahoma, 65, Ph.D. (psychol.), 66. Asst. teaching, Oklahoma, 65 & 66; res. asst. res. inst., 65-66; res. specialist, div. voc. rehab., 66-67; ASST. PROF. TEACHING, Oklahoma Baptist, 67-69; OKLAHOMA, 69-. Psychol. Asn. Sociol. Asn.; Ed. Res. Asn. Teacher mobility and retention: factors underlying discipline decisions; claustrophobia. Publ: Co-auth. Achievement motivation and ordinal position of birth, Psychol. Reports, 68. Address: University of Oklahoma College of Education, Norman, Okla. 73069.
- LETOURNEAU, DR. JACQUES E. b. Montreal, Que., Sept. 19, 33; m. 66; c. 1. PSYCHOLOGY. B.A. Montreal, 53, Ph.D. (psychol.), 64. Asst. prof. PSYCHOL. SCH. OPTOM. MONTREAL, 63-69, ASSOC. PROF. 69-. Fel. AAAS; fel. Acad. Optom.; Int. Asn. Appl. Psychol. Visual perception; developmental psychology. Publ: Effets de l'anhydrie sulfureux sur la vision scotopique, 33: 46 & Représentation spatiale et succès en géométrie descriptive, 33: 50, Ann. French-Can. Asn. Adv. Sci. The effect of auditory stimulation on visual sensitivity to red and green, Am. J. Optom., 44: 677. Address: 1279 Chame-rain, Montreal 390, Que., Can.
- LETWIN, DR. W. (WILLIAM) L. (OUI). Economic History. See 5th ed, Dir. Am. Scholars, Vol. I, Hist.
- LEUTHOLD, DR. CARL (ARTHUR). Psychology. See L-Z Vol, 11th ed, Soc. & Behav. Vols. Change of address: 917 Lemonweir Pkwy, Tomah, Wis. 54660.
- LEVAN, PROF. PAUL E. b. Reading, Pa., Dec. 9, 29; m. 51; c. 1. PSYCHOLOGY. B.S. Albright Col., 51; M.A. Columbia, 56; summer, Pennsylvania, 60. AS-SOC. PROF. SOC. SCI. & CRIM. DEPT. ROCHESTER INST. TECH., 58. Lectr., Highland Hosp., 59-61. U.S.A.F. 51-55. Psychol. Asn. Physiological and abnormal psychology; theories of personality. Address: 11 Knolltop Dr, Rochester, N.Y. 14610.
- LEVANTROSSER, DR. WILLIAM F. (REDERICK). Political Science. See L-Z Vol, 11th ed, Soc. & Behav. Vols. New information: Also chmn., 69., Dept. of Political Science, Hofstra University, Hempstead, N.Y. 11550.
- LEVENSON, DR. MYRON H. Sociology. See L-Z Vol, 11th ed, Soc. & Behav. Vols. New information: Also chmn., 69., Dept. of Sociology & Anthropology, Indiana University of Pennsylvania, Indiana, Pa. 15701.
- LEVENTMAN, DR. SEYMOUR. Sociology. See L-Z Vol, 11th ed, Soc. & Behav. Vols. New position & address: Assoc. prof., 68., Dept. of Sociology, Boston College, Chestnut Hill, Mass. 02160.
- LEVERIDGE, PROF. DON R. b. New York, N.Y., Aug. 2, 18; m. 45; c. 2. SOCIAL PSYCHOLOGY, BEHAVIORAL SCIENCE. B.A. Chicago, 41; M.A. & Ed.D. Columbia, 51. Dir. ed. U.S. region, Nat. Conf. Christians & Jews, 48-50; packinghouse workers, Congress Indust. Orgn., 51-53; asst. prof. group dynamics, fels group dynamics center, Temple, 53-55; coordinator faculty studies, Goddard Col., 55-58; prof. ed. sociol. & psychol., Keene State Col., 58-63; prof. soc. psychol. & appl. behav. sci. & asst. dir. lab. appl. behav. sci., Newark State Col., 63-66; PROF. SOCIOL., EAST. CONN. STATE COL., 66-. Consult. Am. Mgt. Asn., 57-67; Univ. Connecticut, 66.; Community Progress New Haven, 66-. U.S.A. 42-44, Sgt. Asn. Higher Ed. Applied behavioral science; improvement of college instruction; human relations laboratory training; community study and development; anti-poverty programs. Publ: Co-auth. A framework for research in human relations, Fels Group Dynamics Center, 55; auth. The college as a laboratory, J. Group Psychother., 3/57. Address: Dept. of Sociology, Eastern Connecticut State College, Willimantic, Conn. 06226.
- LEVI, PROF. ISAAC. Philosophy. See 5th ed, Dir. Am. Scholars, Vol. IV, Philos. Relig. & Law.
- LEVI, PROF. WERNER. Political Science. See L-Z Vol, 11th ed, Soc. & Behav. Vols. Change of address: Dept. of Political Science, University of Hawaii, 2500 Campus Rd, Honolulu, Hawaii 96822.
- LEVIN, DR. GILBERT. b. Detroit, Mich., Jan. 19, 35; m. 67. PSYCHOLOGY. B.A. Michigan, 56; M.A., Boston, 58, U.S. Pub. Health Serv. fl., 58-61, Ph.D.
- (clin. psychol.), 61. Instr. psychol., Carnegie Inst. Tech., 61-62; sr. proj. dir. consumer res., Market Planning Corp., 62-63; instr. PSYCHIAT. ALBERT EINSTEIN COL. MED., 63-64, ASST. PROF., 64-. Assoc. dir. Sound View-Throgs Neck Community Ment. Health Center, 67-69; prin. investr., Nat. Inst. Ment. Health grant, 69-. Nat. Training Labs; Psychol. Asn.; Group Psychother. Asn. Policy research in the organization and utilization of community health and mental health services. Publ: Communicator-community approach to family interaction research, Family Processes, 66; co-auth. System intervention in a community-school conflict, J. Appl. Behav. Sci., 70; Planning and developing the locus of care, In: The practice of community mental health, Little, 70. Address: 127 W. 95th St, New York, N.Y. 10025.
- LEVIN, DR. HERMAN (VAN). Clinical Psychology. See L-Z Vol, 11th ed, Soc. & Behav. Vols. New position: Practicing clin. psychologist, 69-. Address: 2519 N. Ocean Blvd., Apt. 311, Boca Raton, Fla. 33432.
- LEVIN, DR. JACK. b. New Orleans, La., June 28, 41; m. 64; c. 2. SOCIOLOGY, SOCIAL PSYCHOLOGY. B.A. Am. Inst. Col., 63; M.Sc. Boston, 65, Ph.D. (sociol.), 68. ASST. PROF. sociol., BOSTON, 68-69, COMMUN. ENGR., 69-. Grant, President's Cmn. Pornography & Obscenity, 69-70. Consult., Boston Redevelop. Authority, 68-69; Law & Poverty Proj., Boston Univ., 68, Center for Criminal Justice, 69-. AAAS; Sociol. Asn.; Soc. Study Social Prob. Prejudice and aggression; reference groups and social comparison; criminal justice; attitudes; generation gap; public housing; mass communication; heliobehavior. Publ: Co-auth. Differential social effects of social norms and competing variables in primacy-recency, J. Soc. Psychol., 66, Role distance in Negro and majority fiction, Journalism Quart., 66 & Bureaucracy and the socially handicapped: a study of the lower-status tenant in public housing, Sociol. & Soc. Res., 1/70. Address: Communication Research Center, Boston University, 640 Commonwealth Ave, Boston, Mass. 02215.
- LEVIN, DR. JOEL R. b. Newark, N.J., Dec. 24, 42; m. 67. EDUCATIONAL PSYCHOLOGY. A.B. California, Berkeley, 64, M.A., 66, Ph.D. (ed. psychol.), 69. ASST. PROF. ED. PSYCHOL., WISCONSIN, MADISON & PRIN. INVESTR. SATELLITE PROJ. WISRES, & DEVELOP. CENTER FOR COGNITIVE LEARNING, 69. Ed. consult. & prog. evaluator, 69-. Psychol. Asn.; Ed. Res. Asn. Children's learning; research design and analysis in education. Publ: Appropriate post hoc comparisons for interaction and nested hypotheses in analysis of variance designs: the elimination of type IV errors, Am. Ed. Res. J., 5/70; auth. Teacher organizations and the facilitation of serial learning, J. Ed. Psychol., 4/70. Elaboration preferences and differences in learning proficiency, In: Vol. 2, Cognitive studies, Brunner/Mazel, (in press). Address: 1404 Regent St, Madison, Wis. 53711.
- LEVIN, PROF. RICHARD IVOR. b. Philadelphia, Pa., Mar. 10, 30; m. 51; c. 3. BUSINESS ADMINISTRATION, INDUSTRIAL ENGINEERING. B.S. N.C. State, 51, M.S. 52, Ph.D. (bus. admin.), North Carolina, Chapel Hill, 59. Engr., United Mills Corp. Div., Glen Alden Mills, 51-52; instr. indust. eng. N.C. State, 51-52; lectr. BUS. ADMIN. North Carolina, 53-55, asst. prof., 57-62, assoc. prof., 62-65; vis. prof., Middle East Tech., Ankara, 66-67; PROF., NORTH CAROLINA, 67-. Consult., Ministries of Agr. Ed. Labor & Housing, Turkey & Indust. Col. Armed Forces, 66-67. U.S.A.F. 55-57, Capt. Inst. Mgt. Sci. Inst. Indust. Eng. Soc. Adv. Mgt. Managerial behavior using management gaming and simulation; constraints to effective utilization of information systems and operations research in formal organizations; research in educational technology. Publ: Co-auth. Quantitative approaches to management, McGraw, 65, Linear programming for management decisions, Irwin, 69 & The art of games and strategies, Int. Bk. Co., 69. Address: 2131 N. Lakeshore Drive, Chapel Hill, N.C. 27514.
- LEVIN, PROF. SAMUEL M. (ORDEAD). Economics. See L-Z Vol, 11th ed, Soc. & Behav. Vols. Change of address: 29143 Evergreen Rd, Southfield, Mich. 48075.
- LEVIN, DR. SAUL M. (MICHAEL). Clinical Psychology. See L-Z Vol, 11th ed, Soc. & Behav. Vols. New position & address: Assoc. prof., 69., Dept. of Psychology, University of Delaware, Newark, DE 19711.
- LEVINE, DR. ARTHUR LOUIS. b. Cleveland, Ohio, Nov. 23, 29; m. 49; c. 2. POLITICAL SCIENCE, PUBLIC ADMINISTRATION. A.B., Western Reserve, 50, M.A. 52; Ph.D. (govt.), Columbia, 63. Asst. civil serv. exam, Civil Serv. Cmn., Cleveland, 52-53; lectr. polit. sci., City Col. New York, 54-55; res. asst., Am. Fedn. State, County & Munic. Employees, 55; superv. tech. recruiting, Lewis Flight Propulsion Lab, Nat. Adv. Cmn. Aeronaut., 55-58, mgr. & res. staff, Lewis Res. Center, NACA, 58-61, EXEC. OFFICER, GODDARD INST. SPACE STUDIES, 61-. Lectr. Western Reserve, 52 & 56-61; Adelphi, 64; Hunter Col., 64-65; Baruch Col., City Univ. New York, 65-; lectr. & co-ordinator course on man & space, sch. continuing ed., N.Y. Univ., 68. Soc. Pub. Admin.; Polit. Sci. Asn. Relationship of government to science; administration of science and technology; training for public administration. Publ: The creations of NACA and NASA, Am. Inst. Aeronaut. & Astronaut., 67; co-auth. Obstacles to better administration of science, New York Metrop. Chap. Am. Soc. Pub. Admin., 68; ed. Educational opportunities in public administration: a directory for the New York City area, Am. Soc. Pub. Admin., 68. Address: 463 Dunster Ct, West Hempstead, N.Y. 11552.
- LEVINE, DR. CONALEE. Psychology. See LEVINE-SHNEIDMAN, this Suppl.
- LEVINE, DR. DAVID (LAWRENCE). Social Welfare, Sociology. See L-Z Vol, 11th ed, Soc. & Behav. Vols. New position & address: Prof. & proj. dir., 69-. School of Social Work, University of Georgia, Athens, Ga. 30601.
- LEVINE, PROF. E. LESTER. b. Amasa, Mich., May 13, 33. POLITICAL SCIENCE. B.A. Wisconsin, 55, M.A. 56; Chicago, 57-59. Res. asst. polit. sci., Wisconsin, Madison, 54-55; instr., Occidental Col., 59-62; dir. Assembly Legis. Reference Serv., Calif. State Legis., 62-65, consult., Joint Legis. Reference Cmt., 66; proj. planning analyst, U.S. House of Reps., U.S. Off. Ed., 66-67; res. dir., President's Coun. Youth Opportunity, 67-68; ASSOC. PROF. GOVT. POLIT. RES. INST. FLA. STATE, 68-. Lectr. polit. sci., California, Davis, 63-64; assoc. dir., Polit. Res. Inst., Fla. State, 68-69, dir., 69-

- Mem. adv. cmt. Wis. Div. Children & Youth, 49-52; exec. cmt. Wis. Gov. Cmt. Children & Youth, 51-55. Accompanying witness. Nat. Adv. Cmn. Civil Disorders, Nov. 68; del. Midcentury White House Conf. Children & Youth, 50. U.S.A. 55-57, 1st Lt. Polit. Sci. Assn. Soc. Pub. Admin. American government, particularly intergovernmental relations; public administration, particularly decision-making; public opinion and parties; state legislatures. Publ. Co-ed, Cooperation and conflict: readings in American federalism, F.E. Peacock, 69; auth. The 1969 Florida legislature: a new constitution and new procedures, Fla. State Univ., 69; co-auth. Marijuana use, social deviance and political action, Am. Polit. Sci. Rev., 3/71. Address: 620 Bellamy, Florida State University, Tallahassee, Fla. 32306.
- LEVINE, DR. FREDRIC M., b. New York, N.Y., May 20, 37; m. 65; c. 1. CLINICAL & EXPERIMENTAL PSYCHOPATHOLOGY. B.A., City Coll. New York, 61; M.A., Northwestern, 63, Ph.D. (psychol), 65. Res. assoc. PSYCHOL. Harvard Med. Sch., 65-67; ASST. PROF. STATE UNIV. N.Y. STONY BROOK, 67- U.S.A. 56-58. Psychol. Asn.; Soc. Psychophysiol. Res. Experimental approaches to schizophrenia; behavioral, psychophysiological and pharmacological research in schizophrenia. Address: Dept. of Psychology, State University of New York at Stony Brook, Stony Brook, N.Y. 11790.
- LEVINE, DR. MARTIN S(TANLEY). Clinical Psychology. See L-Z Vol, 11th ed, Soc. & Behav. Vols. New position & address: Assoc. prof., 69-, School of Social Work, Portland State University, Portland, Ore. 97207.
- LEVINE, PROF. MURRAY, b. Brooklyn, N.Y., Feb. 24, 28; m. 51; c. 2. PSYCHOLOGY. B.S., City Coll. New York, 49; M.A. Pennsylvania, 51, Ph.D. (psychol), 54. Clin. psychologist, Vet. Admin., 49-56; Devereux Schs., 56-63; asst. prof. psychol., Yale, 63-64; assoc. prof., 64-68; PROF. PSYCHOL. & DIR. CLIN. TRAINING, STATE UNIV. N.Y. BUFFALO, 68- Consult. Community Progress, Inc., Conn., 63-68; Vet. Admin., 63- U.S.A. 47-48. Psychol. Asn.; Orthopsychiat. Asn. Community psychology; social history of clinical services; education and social change. Publ. Co-auth. Rorschach index of repressive style, C.C. Thomas, 64, Psychology in community settings, Wiley, 66 & Social history of helping services: clinic, court, school and community, Appleton, 70; plus others. Address: Dept. of Psychology, State University of New York at Buffalo, Buffalo, N.Y. 14214.
- LEVINE, DR. RICHARD C(ARL). Electrical Engineering. See Suppl. V to 11th ed, Phys. & Biol. Vols.
- LEVINE, PROF. SOLOMON B(ERNARD). Economics. See L-Z Vol, 11th ed, Soc. & Behav. Vols. New position & address: Prof. econ. & bus., 69-, University of Wisconsin, 1440 Van Hise Hall, Madison, Wis. 53706.
- LE VINE, PROF. VICTOR T(HEODORE). Political Science. See L-Z Vol, 11th ed, Soc. & Behav. Vols. New position & address: Prof. & head, 69-, Dept. of Political Science, University of Ghana, P.O. Box 64, Legon, Ghana.
- LEVINE-SHNEIDMAN, DR. CONALEE, b. Brooklyn, N.Y., Feb. 22, 30; m. 61. PSYCHOLOGY. B.A., Brooklyn Coll., 51, univ. fela., 51-52; M.A., N.Y. Univ., 53, univ. & U.S. Pub. Health Serv. fela., 58-59, Ph.D. (psychol), 59, cert. psychother. & psychoanal., 61 & 67. Psychol. intern. Jewish Soc. Serv., 52-53; head dept. psychol., N.Y. League Head of Hearing, 53-55; psychologist, Riverside Hosp., 55-58; asst. prof. psychol., Rutgers, 58-59; Fairleigh Dickinson, 59-64; asst. prof. GUID., N.Y. UNIV., 64-68, 68-83. Prof., 68- Sr. Psychologist & consult., Lincoln Inst. Psychother., 59-63; private practice, 59- Psychol. Asn. Personality organization; psychological causes and treatment of drug addiction; psychoanalysis. Address: 161 W. 86th St., New York, N.Y. 10024.
- LEVINGER, PROF. GEORGE. Social Psychology. See L-Z Vol, 11th ed, Soc. & Behav. Vols. New position: Prof., 69-, Dept. of Psychology, University of Massachusetts, Amherst, Mass. 01002.
- LEVISON, DR. CATHRYN A(DAMSKY). Psychology. See L-Z Vol, 11th ed, Soc. & Behav. Vols. New position & address: Asst. prof., 68-, Dept. of Psychiatry, 950 E. 59th St., Chicago, Ill. 60637.
- LEVIT, DR. HERBERT I(RVING). Clinical Psychology. See L-Z Vol, 11th ed, Soc. & Behav. Vols. New position: Asst. dir. prog. develop. training & res., 69-, Woodville State Hospital, Box 456, Carnegie, Pa. 15106.
- LEVITT, DR. HERBERT S(DNEY). Clinical Psychology. See L-Z Vol, 11th ed, Soc. & Behav. Vols. New information: Prof. psychol., Pitzer Coll., 69-; prof. counseling, Calif. State Coll. Los Angeles, 69- Address: Counseling Center, California State College at Los Angeles, Los Angeles, Calif. 90032.
- LEVITT, DR. ROBERT A(LAN). Physiological Psychology. See Suppl. V to 11th ed, Phys. & Biol. Vols.
- LEVY, DR. ALBERT G(UNTER) D(AVID). Political Science, Economics. See L-Z Vol, 11th ed, Soc. & Behav. Vols. New position: Pres. Albert Levy Assocs., Inc., 69- Address: Consultants in Public Administration & Economic Planning, 9702 Forest Glen Court, Silver Spring, Md. 20910.
- LEVY, DR. ARTHUR B., b. Toronto, Ont., June 5, 40; m. 64; c. 2. POLITICAL SCIENCE. B.A., Toronto, 63, Inst. Citizenship & univ. fela., 64-65; univ. fela. & Ph.D. (pol. sci.), Harvard, 68. Vis. lect. govt. Boston, 68-69; ASST. PROF. POLIT. SCI., TULANE, 69- Polit. Sci. Assn. United States Congress and Presidency; public policy and administration. Address: Dept. of Political Science, Tulane University, New Orleans, La. 70118.
- LEVY, DR. EDWIN Z., b. Highland Park, Ill., Nov. 19, 29; m. 51; c. 3. CLINICAL & CHILD PSYCH. PSYCHOANALYSIS. B.S., Northwestern, 51, M.S., 53, M.D., 54 grad., Topeka Inst. Psychoanal., 70. Intern. int. med. second med. div., Bellevue Hosp., Cornell, 54-55, res. pediat., children's med. div., 55-56; res. psychiatrist aero-med. lab., Wright Air Develop. Center, Wright Patterson Air Force Base, 37-59; res. psychiat., Vet. Admin. Hosp., Topeka, Kans., 56-57 & 59-60; fela., child psychol., MENNINGER CLIN., 60-62.
- STAFF PSYCHIATRIST, 62-, MEM. FACULTY, MENNINGER SCH. PSYCHIAT., 64- Nat. Inst. Ment. Health career develop. award psychiatrist, Menninger Clin., 63-67. Med.C., U.S.A.F., 57-59, Capt. Fel. Psychiat. Asn.; fela. Col. Physicians; fela. Orthopsychiat. Asn. Clinical psychiatry; psychoanalysis with children and adults; skin resistance; human isolation; space psychiatry; residential treatment of emotionally disturbed children and adolescents and follow-up research. Publ. Co-auth. Psychiatric research in space medicine, Am. J. Psychol., 3/59; auth., On the residential treatment of adolescent girls, Sem. Psychiat., 2/69; Long term follow up of former inpatients at the Children's Hospital of the Menninger Clinic, Am. J. Psychiat., 6/69. Address: Box 829, Menninger Clinic, Topeka, Kans. 66601.
- LEVY, DR. LEO. Clinical Psychology. See L-Z Vol, 11th ed, Soc. & Behav. Vols. New information: Assoc. prof. prev. med. & community health, med. center, Illinois, 69- Address: 5232 S. Hyde Park Blvd., Chicago, Ill. 60615.
- LEVY, DR. MICHAEL E(RNST). Economics. See L-Z Vol, 11th ed, Soc. & Behav. Vols. New position: Dir. econ. policy res., Nat. Indust. Conf. Bd., 69- Address: 90 Morningside Dr., Apt. 22B, New York, N.Y. 10027.
- LEVY, PROF. NATHAN, JR. Law. See 5th ed, Dir. Am. Scholars, Vol. IV, Philos. Relig. & Law.
- LEVY, PROF. ROBERT ISAAC. Psychiatry, Psychological Anthropology. See L-Z Vol, 11th ed, Soc. & Behav. Vols. New position & address: Prof., 69-, Dept. of Anthropology, University of California, San Diego, La Jolla, Calif. 92037.
- LEVY, DR. ROBERT M(ICHAE). b. Lynbrook, N.Y., Mar. 8, 40; m. 64; c. 2. PSYCHOLOGY. B.A., New Sch. Social Res., 63; M.A., Connecticut, 65, Ph.D. (exp. psychol), 67. Sr. res. psychologist, elec. boat div., Gen. Dynamics Corp., 67-68; ASST. PROF. PSYCHOL., INDIANA STATE, 68- Psychol. Asn.; Inst. Elec. & Electronics Eng. Information processing; signal detection; man-computer systems. Publ. Co-auth. Alphabet size, implicit coding and the memory span, Proc. Am. Psychol. Asn. Convention, 68, Operator behavior in a dynamic visual signal detection task, J. Perception & Psychophys., 68 & An Analysis of the combination of perceptual dimensions, Psychol. Bull., 70. Address: Dept. of Psychology, Indiana State University, Terre Haute, Ind. 47809.
- LEVY, DR. STANLEY ROY, b. Brooklyn, N.Y., July 19, 34; m. 63; c. 2. COUNSELING, EDUCATION. B.A., Michigan, 55, M.A., 59, Ph.D. (ed), 64. Asst. to assoc. dean col. lit. sci., Arnet, Michigan, 59-64; asst. prof. guid. & personnel & assoc. dean, Cornell, 64-68; ASST. PROF. HIGHER ED. & ASSOC. DEAN STUDENTS, ILLINOIS-URBANA, 68- Lectr., col. ed., State Univ. N.Y., Albany, 68. U.S.A. 55-57, 1st Lt. Student performance, attitudes and values; change agents and means; organization and administration in higher education. Address: 2316 Southmoor Dr., Champaign, Ill. 61820.
- LEWICKI, DR. ROY JAMES, b. Brooklyn, N.Y., Nov. 28, 42; m. 69. SOCIAL PSYCHOLOGY. B.A., Dartmouth Coll., 64; Nat. Sci. Found. & Nat. Inst. Ment. Health fela., Columbia, 65-68, Ph.D. (psychol), 69. ASST. PROF. ADMIN. SCI. & PSYCHOL., YALE, 68- Psychol. Asn.; Soc. Psychol. Study Social Issues. Social psychology of social conflict; group dynamics; organizational effectiveness and change. Publ. Co-auth. Strategies of social intervention, Free Press, 71. Address: Dept. of Administrative Sciences, Yale University, New Haven, Conn. 06520.
- LEWINSKI, DR. ROBERT JOHN. Psychology. See L-Z Vol, 11th ed, Soc. & Behav. Vols. Change of address: 899 Bexley Dr., Perrysburg, Ohio 43551.
- LEWIS, PROF. C(LARENCE) GLENN. Business Law, Real Estate. See L-Z Vol, 11th ed, Soc. & Behav. Vols. Publ. Real estate appraisal and problems, Univ. Omaha, 68 (title changed from: Capitalization rate and real estate appraisal problems). Address: Dept. of Business Administration, University of Nebraska, Omaha, Nebr. 68101.
- LEWIS, PROF. DON. Psychology, Statistics. See L-Z Vol, 11th ed, Soc. & Behav. Vols. New information: Emer. prof. psychol., Iowa, 68- Address: 300 Lucon Dr., Iowa City, Iowa 52240.
- LEWIS, EVERETT MERCER, JR., b. Wakefield, R.I., Apr. 12, 38; m. 62; c. 2. EXPERIMENTAL PSYCHOLOGY. B.A., Rhode Island, 60; M.Sc., Massachusetts, Amherst, 63, res. asst. psychol., Massachusetts, Amherst, 61-63; exp. psychologist, Hamilton Standard Div., United Aircraft Corp., Conn., 64-67; res. scientist, Matrix Corp., 64-67; RES. PSYCHOLOGIST, INJURY CONTROL RES. LAB., ENVIRON. CONTROL ADMIN., U.S. DEPT. HEALTH, ED. & WELFARE, 67- Research with computer-based simulation equipment; determination of relationships between human characteristics and conditions resulting in accidents; lunar landing simulation and advanced supersonic aircraft defense studies. Publ. The depressive effect of chlordiazepoxide on a negative incentive, Psychopharmacologia, 64; The effects of alcohol on decision-making with respect to traffic signals, 69 & The effects of varying levels of alcohol on dark adaptation time, 70, U.S. Dept. Health, Ed. & Welfare, Address: Injury Control Research Lab., 235 Promenade St., Providence, R.I. 02908.
- LEWIS, DR. GEORGE A., JR., b. Kansas City, Mo., Apr. 2, 33; m. 59; c. 3. PHYSIOLOGICAL PSYCHOLOGY. B.A., Wichita State, 61; M.A., Texas Christian, 65, Ph.D. (psychol), 67. ASST. PROF. PSYCHOL., WICHITA STATE, 65- Wichita State Univ. grant, 68-70. Psychol. Asn. Brain functions and early environment. Address: Dept. of Psychology, Wichita State University, Wichita, Kans. 67208.
- LEWIS, DR. GORDON HARRIMAN. Sociology. See L-Z Vol, 11th ed, Soc. & Behav. Vols. New position & address: Asst. prof., 69-, Dept. of Sociology, Carnegie-Mellon University, Pittsburgh, Pa. 15213.
- LEWIS, PROF. HOMER C(OLLIER). Business Administration. See 11th ed, Soc. & Behav. Vols., deceased 69.

- LEWIS, HYMAN L (EON). Economics, Political Science. See L-Z Vol, 11th ed. Soc. & Behav. Vols. New position & address: Sr. ady., 70-, Central Bureau of Statistics, State of Israel, Jerusalem, Israel.
- LEWIS, DR. JAMES E (LDON). Geography. See L-Z Vol, 11th ed. Soc. & Behav. Vols. New position & address: Asst. prof., 69-, Dept. of Environmental Sciences, University of Virginia, Charlottesville, Va. 22903.
- LEWIS, PROF. JOHN WILSON. Political Science. See L-Z Vol, 11th ed. Soc. & Behav. Vols. New information: Hon. D.H. Morningside Col., 69. New publ: Co-auth. The United States in Vietnam, Dial. rev. ed., 69; Party leadership and revolutionary power in China, Cambridge, 70. Address: Dept. of Political Science, Stanford University, Stanford, Calif. 94305.
- LEWIS, DR. LAURENCE A. Geography. See L-Z Vol, 11th ed. Soc. & Behav. Vols. New position & address: Assoc. prof., 70-, Dept. of Geography, Clark University, Worcester, Mass. 01610.
- LEWIS, DR. LESLIE. Psychology, Education. See L-Z Vol, 11th ed. Soc. & Behav. Vols. New position & address: Dir. res., 69-, Central State College, 400 E. Hurd, Edmond, Okla. 73034.
- LEWIS, DR. MARJORIE L (OUISE). b. St. Louis, Mo, May 21, 24. PSYCHOL.-O.C.Y. B.A. Iowa, 46, M.A., 46; summer, Minnesota, 60; Dept. Health Ed. & Welfare fel. & Ph.D. (counseling psychol.) Illinois, 69. Teacher hosp. sch. severely handicapped children, Univ. Iowa, 48-51; asst. prof. & supvr. spec. ed., ILLINOIS STATE, 51-66; asst. prof. PSYCHOL. 66-69, ASSOC. PROF., 69-, STAFF PSYCHOLOGIST, PSYCHOL. COUNSELING SERV., 66- Psychol. Asn; Personnel & Guid. Asn; Coun. Except. Children; Rehab. Counseling Asn. Teen-age orphanage youngsters and college education majors, occupational interests, aspirations and adjustment. Address: 209 Eisenhower Dr., Apt. 2, Bloomington, Ill. 61701.
- LEWIS, PROF. W. ARTHUR, b. St. Lucia, B.W.I., Jan. 23, 15; m. 47; c. 2. POLITICAL ECONOMY. B.Com. London Sch. Econ. 37; Ph.D. London, 40; hon. M.A. Manchester & L.H.D. Columbia, 54; Litt.D. Univ. West Indies, 66; LL.D. Toronto Univ. 62; W.B. & Bristol Col., 62. Baker, 62. Lecturer, 64; Rutgers, 65; Brussels, 69. Lectr. econ, London Sch. Econ. 38-47; Stanley Jevons prof. polit. econ, Manchester, 48-58; v.chancellor, Univ. West Indies, 59-63; PROF. POLIT. ECON, PRINCETON, 63- Prin. bd. trade, Colonial Off., U.K. 43-44; dir. Colonial Development, Corp. 50-52; dep. managing dir. U.N. Spec. Fund, 59-60; dir. Bank of Jamaica, 61-62; Indust. Develop. Corp. Jamaica, 62-63. Consult. Dept. Cmn. Fuel & Power, U.K. 51-52; econ. adv. to Prime Minister, Ghana, 57-58; spec. adv. to Prime Minister, West Indies, 61-62. Mem. Colonial Econ. Adv. Coun. U.K. 45-49. Knight Bachelor, 63. Am. Acad. Arts & Sci; Philo. Soc. Economic aspects of development of less developed countries; economic history. Publ: Economic survey, 1959, Torch & Harper, 49. The theory of economic growth, Irwin, 54. Development planning: the essentials of economic planning, Harper & Allen & Unwin, 66. Address: Dept. of Political Economy, Woodrow Wilson School, Princeton University, Princeton, N.J. 08540.
- LEWIS, WILLIAM B (ARRON). Psychology. See L-Z Vol, 11th ed. Soc. & Behav. Vols. New position & address: Asst. supt., 68-, California Youth Authority, Southern Reception Center & Clinic, 13200 S. Bloomfield, Norwalk, Calif. 90650.
- LEWIS, DR. WILLIAM CRIS, b. Chicago, Ill. Nov. 5, 40; m. 65; c. 3. ECONOMICS. B.S. Brigham Young, 62; M.B.A. Northwestern, 64; Ph.D. (econ), Iowa State, 69. ASST. PROF. ECON, OKLAHOMA, 69. Econ. Asn. Publ: Tax incentives and industrial location, Rev. Urban Econ. 68, 68 & co-auth. State and municipal locational incentives: a discriminant analysis, Nat. Tax J. 9, 69. Address: Dept. of Economics, University of Oklahoma, Norman, Okla. 73069.
- LEY, DR. RONALD THEODORE, b. Buffalo, N.Y. Oct. 19, 29; m. 65. EXPERIMENTAL PSYCHOLOGY. B.A. Buffalo, 51; Ph.D. (exp. psychol.), Syracuse, 63. Asst. prof. psychol. Northern Illinois, 63-64; grad. faculty, New Sch. Soc. Work, 64-66; ASSOC. PROF. PSYCHOL. & STATIST. STATE UNIV N.Y. ALBANY, 66- State Univ. N.Y. Res. Found. grants-in-aid, 67-70; vis. prof. Univ. Puerto Rico, 69; summers, State Univ. N.Y. Res. Found. faculty res. fel., 67, 68 & 70. AAAS; Psychol. Asn; Psychonomic Soc; Statist. Asn. Basic processes of learning and motivation in humans and infra humans. Publ: Effects of food and water deprivation on response motivated by acquired fear, 6/65 & associative reaction time, meaningfulness and presentation rate in PA learning, 3/68, J. Exp. Psychol; Force-contingent reinforcement in instrumental conditioning and extinction, J. Comp. Psychol. Psychol. 11/69. Address: Dept. of Psychology, State University of New York at Albany, 1400 Washington Ave, Albany, N.Y. 12203.
- LEYS, PROF. WAYNE A (LBERT) (RISSER). Philosophy. See 5th ed. Dir. Am. Scholars, Vol. IV, Philos. Relig. & Law.
- LI, PROF. FANG-KUEI. Anthropology, Linguistics. See L-Z Vol, 11th ed. Soc. & Behav. Vols. New position & address: Prof. Asian lang., 69-, Dept. of Linguistics, University of Hawaii, Honolulu, Hawaii 96822.
- LIANG, DR. THEODORE P, b. Messina, Greece, June 29, 39; m. 64; c. 1. ECONOMICS. B.S. Athens Sch. Econ, 62; M.A., N.C. State, 67, Ph.D. (econ), 69. Res. asst. econ. res. Center for Planning & Econ. 64-65; instr. ECON, N.C. State, 68-69; ASST. PROF. CALIFORNIA, DAVIS, 69- Greek Army, 62-64. Econ. Asn; Agr. Econ. Asn. Labor economics; employment; labor mobility. Publ: The nonspeculative demand for money, Yorkshire Bull. spring 67; A stock and flows approach to migration, Am. J. Agr. Econ. 8/70; Testing for structural unemployment, South. Econ. J. 10/70. Address: 210 Voorhes Hall, University of California, Davis, Calif. 95616.
- LIBB, DR. J. WESLEY, b. Camden, N.J. Sept. 4, 38; m. 61; c. 2. PSYCHOLOGY. B.A. Texas A&M Univ. 40; M.A. Wheaton Col., 62, M.A. 63. Ph.D. (psychol.), Alabama, 69. Fel. psychol. Michael Reese Hosp. Chicago, Ill. 68-69; ASST. PROF. CLIN. PSYCHOL. ALABAMA, 69- Consult. Prof. Head Start, Chicago, Ill. 69; part-time instr. Roosevelt Univ. 69. Psychol. Asn; Soc. & Pers. Tech. & Personality Assessment; Soc. Res. Child Develop. Learning theory and applications to childhood behavior disorders; personality assessment techniques, projective and objective. Publ: Co-auth. Token reinforcement in an experimental exercise program for geriatric patients, Perceptual & Motor Skills, 68; Psychotic appearing MMPI profiles among alcoholics, J. Clin. Psychol. (in press). Address: Dept. of Psychology, University of Alabama, Box 6234, University, Ala. 35486.
- LIBERTY, DR. PAUL G. JR, b. Giddings, Tex. Dec. 10, 30; m. 55; c. 3. SOC. & EDUCATIONAL PSYCHOLOGY. B.A. & B.B.A. St. Mary's (Tex), 58; Nat. Inst. Ment. Health fel. Texas, Austin, 59-62, Ph.D. (ed. psychol.), 62, Res. assoc. human talent proj. lab. human develop. col. ed. Texas, Austin, 61-62; Nat. Inst. Ment. Health res. fel. soc. sci. appl. multivariate tech. Washington (Seattle), 62-63; res. psychologist, personnel res. div. Air Force Human Resources Lab, Lackland Air Force Base, Tex. 63-66; assoc. prof. guid. & ed. psychol. bur. ed. res. Southern Illinois Univ. 66-67; res. coordinator, Southwest. Coop. Ed. Lab. Inc. N.Mex. 67-68, asst. dir. prog. 68, dep. dir. 68-69; ASSOC. PROF. ED. PSYCHOL. & ASSOC. DIR. MEASUREMENT & EVAL. CENTER, TEXAS, AUSTIN, 69- Coordinator eval. Proj. Uplift, Jefferson, Ill. 66-67; ed. auditor, Edinburg Bilingual Prog. Tex. 69-70. U.S.N. 51-55. Psychol. Asn; Sociol. Asn; Ed. Res. Asn; Nat. Coun. Measurement in Ed; Soc. Psychol. Study Social Issues. Personality theory and measurement; human learning; motivation; human factors research; psychological measures and research methodology; research; evaluation of educational programs; psychological applications to education. Publ: Co-auth. Perceptual defense, dissimulation and response styles, J. Consult. Psychol. 28: 529-537, Concern with mastery and occupational attraction, J. Personality, 34: 105-117 & The patterning of parental affection and disciplinary dominance as a determinant of guilt and sex-typing, J. Personality & Soc. Psychol. 4: 356-363, plus others. Address: Measurement & Evaluation Center, University of Texas at Austin, Austin, Tex. 78712.
- LICCIONE, DR. JOHN V (CTOR). Psychology. See L-Z Vol, 11th ed. Soc. & Behav. Vols. Change of address: 9191 W. Watertown Plank Rd, Milwaukee, Wis. 53226.
- LICHTENSTEIN, DR. ARTHUR. Educational Psychology. See L-Z Vol, 11th ed. Soc. & Behav. Vols. Change of address: The Hemispheres, 1950 S. Ocean Dr, Hollandaire, Fla. 33009.
- LICHTENSTEIN, DR. EDWARD, b. Brooklyn, N.Y. Apr. 10, 34; m. c. 2. PSYCHOLOGY. B.A. Duke, 56; M. Phil. Michigan, 57, Ph.D. (psychol.), 61. Psychol. asst, neuropsychiat. inst. Univ. Michigan Hosp. 58-59, counseling trainee, counseling center, Univ. 59-60; psychol. trainee, Detroit Ment. Hyg. Clin. 60-61; asst. prof. in residence, dept. psychiat. & clin. psychologist, dept. ment. hyg. center health sci. California, Los Angeles, 61-64; asst. prof. dep. psychol. Southern Illinois, 64-69, dir. clin. training, 65-66; ASSOC. PROF. PSYCHOL., OREGON, 66- DIR. PSYCHOL. CLIN. 68. Psychol. Asn. Clinical psychology; psychotherapy research; modification of smoking behavior. Publ: Personality similarity and therapeutic success: a failure to replicate, J. Consulting Psychol. 30: 282; co-auth. Modification of smoking behavior: a review, Psychol. Bull. 70: 320-333 & The importance of subjective evaluation of reinforcement in verbal conditioning, J. Exp. Res. Personality, 3: 214-220. Address: Dept. of Psychology, University of Oregon, Eugene, Ore. 97403.
- LIDDLE, DR. GORDON P (HILLIP). Social & Educational Psychology. See L-Z Vol, 11th ed. Soc. & Behav. Vols. New position & address: Assoc. dean, 69-, College of Education, University of Kentucky, Graduate Study & Research, 108 Taylor Education Bldg, Lexington, Ky. 40506.
- LIDDON, DR. SIM C (LARK), b. Memphis, Tenn. Feb. 3, 35; m. 62; c. 3. PSYCHIATRY. B.A. Vanderbilt, 57; M.D. Hopkins, 61. Intern med, Johns Hopkins Hosp. 61-62; asst. res. PSYCHIAT, Strong Mem. Hosp. 62-63, assoc. res. 63-64, chief res. 64-65; instr. Pittsburgh, 65-66; ASST. PROF. SCH. MED, VIRGINIA, 68- U.S. Pub. Health Serv. fel. psychiat. Strong Mem. Hosp. 62-65; instr. Rochester, 64-65. Dipl. Am. Bd. Psychiat. & Neurol. 68. Med. C. U.S.A. 66-68. AAAS; Psychiat. Asn; Am. Med. Asn; Psychosomat. Soc. Publ: Co-auth. The effects of aggregation, electric shock and adrenergic blocking drugs on inhibition of the writhing syndrome, J. Pharmacol. & Exp. Therapeut. 139: 107-109 & Disulfiram (antabuse) psychosis, Am. J. Psychiat. 123: 1284-1289; auth. Sleep paralysis and hypnagogic hallucinations, their relationship to the nightmare, Arch. Gen. Psychiatry, 17: 88-96. Address: Dept. of Psychiatry, University of Virginia School of Medicine, Charlottesville, Va. 22901.
- LIEBENOW, PROF. J GUS, b. Berwyn, Ill. May 4, 25; m. c. 4. POLITICAL SCIENCE. B.A. Illinois, Urbana, 49; univ. fel. & M.A. 50; Ozias Goodwin fel. Harvard, 51-52; fel. & Ph.D. (social sci.), Northwestern, 55. Proj. vol. UNESCO. Am. Friends Serv. Cmt. Mex. City, Ed. N.Y. Mex. 50-51; teaching assoc. polit. sci. Northwestern, 52-53; Ford Found. fel. African studies, 54-56; asst. prof. POLIT. SCI, Texas, Austin, 56-58; INDIANA, BLOOMINGTON, 58-61, assoc. prof. 61-64, PROF. 64-, ASSOC. DEAN RES. & ADV. STUDIES & INT. PROGS, 70- Soc. Sci. Res. Coun. faculty fel. & African Studies fel. 80-61; Ford fel. Indiana Univ. 67. Consult. Peace Corps, For. Serv. Inst. For. Area Fel. Prog. & Dept. Health, Ed. & Welfare. Mem. exec. bd. Midwest Conf. Polit. Scientists, 61-64. Med. C. U.S.A. 43-48. fel. Fel. African Studies Asn; Polit. Sci. Asn. African studies; African political systems, concentrating on micropolitics, social stratification, urbanization and development. Publ: Liberia: the evolution of privilege, Cornell, 69; Colonial rule and political development: Makonde of Tanzania, Northwestern Univ. & E.African Pub. 70; co-auth. Sukuma, In: East African chiefs, Faber & Faber, 60. Address: Dept. of Political Science, Indiana University, Bloomington, Ind. 47401.
- LIEBERMAN, DR. J (AY) BEN (JAMIN). Political Science, Mass Communication. See L-Z Vol, 11th ed. Soc. & Behav. Vols. New information: Vprez Hill & Knowlton, Inc. 69-; ed. Opinion Today, Hill & Knowlton, 69. Address: 7 Stony Run, New Rochelle, N.Y. 10804.

- LIEBERMAN, DR. SIMA, b. Bordeaux, France, Aug. 4, 27; U.S. citizen; m. 65; c. 2. ECONOMICS, ECONOMIC HISTORY. B.S. California, Berkeley, 51, M.A., 61, Ph.D. (econ), 67; LL.B., South Dakota, 55; LL.M., Georgetown, 58. Fulbright res. assoc. inst. Econ. Oslo, Norway, 64-65; asst. prof. ECON, UTAH, 67, 70, ASSOC. PROF., 70. U.S.A., 58-59. Econ. Asst. Econ. Hist. Assn. European economic history, especially 19th century; international economics; economic development; price theory. Publ: The industrialization of Norway, 1800-1920, Norwegian Univ., 69; A review of three non-gradualist theories of the process of industrialization, L'Industria, 68; Has the marginalist anti-marginalist controversy regarding the theory of the firm been settled?, Schweizerische Zeitschrift Volkswirtschaft und Statistik, 12/69. Address: Dept. of Economics, University of Utah, Salt Lake City, Utah 84112.
- LIEBERT, DR. ROBERT M(ANDEL). Psychology. See L-Z Vol. 11th ed, Soc. & Behav. Vols. New position & address: Sr. investor, 69-, Fels Research Institute, Yellow Springs, Ohio 45387.
- LIEBESNY, DR. HERBERT J(OSEPH). Law. See 5th ed, Dir. Am. Scholars, Vol. IV, Philos. Relig. & Law.
- LIEDHOLM, DR. CARL E., b. Long Beach, Calif. July 22, 40; m. 63; c. 1. ECONOMICS. B.A., Pomona Col. 61; fel. Michigan, 64-65, Ph.D. (econ), 65. Adv. econ. develop. inst. Univ. Nigeria, 65-67, acting dir. inst. 66-67; asst. prof. ECON, MICH. STATE, 67-69, ASSOC. PROF. & CHMN. DEPT., 69- Econ. Asst. African Studies Assn. Economic development problems of tropical Africa. Publ: Co-auth. Growth and development of the Nigerian economy, MICH. STATE UNIV., 70 & auth. An analysis of comparative advantage in the Indian iron and steel industry, Bur. Bus. & Econ. Res. 70; Production functions for eastern Nigerian industry, Nigerian J. Econ. & Soc. Studies, 66. Address: Dept. of Economics, 101 Marshall Hall, Michigan State University, East Lansing, Mich. 48823.
- LIEN, DR. CHAN. Political Science. See L-Z Vol. 11th ed, Soc. & Behav. Vols. New position & address: Prof. of Admin. & Dir. of Political Science, National Taiwan University, Hsu-Chow St., Taipei, Taiwan, China.
- LIER, DR. JOHN, b. Netherlands, Feb. 23, 24; U.S. citizen; m. 50; c. 2. GEOGRAPHY. M.A., Clark, 63; fel. Centre Community Studies, Sask, 64; Ph.D. (geog.), California, Berkeley, 68. ASST. PROF. GEOG., San Francisco State Col., 65-66; Hawaii, 66-67; CALIF. STATE COL. HAYWARD, 68. Am. Geog. Soc. Asn. Am. Geog. Asn. Asian Studies; Netherlands Asn. Econ. & Social Geog. Urban morphology as related to rural economy in Saskatchewan; geographic study of man's mobility. Address: Dept. of Geography, California State College at Hayward, 25800 Hillary St., Hayward, Calif. 94542.
- LIEW, DR. CHONG KIEW, b. Korea, Feb. 9, 38; m. 65; c. 2. ECONOMICS, ECONOMETRICS. B.S. California, Berkeley, 62, Ford Found. fel. 67-68, Ph.D. (econ), 68. ASST. res. economist, econ. growth prof. California, Berkeley, 68-69; ASST. PROF. ECON, OKLAHOMA, 69- Econ. Asn. Aggregate econometric model, optimal lending decision under uncertainty, economic growth problems. Address: Dept. of Economics, University of Oklahoma, Norman, Okla. 73069.
- LIFSHTITZ, DR. KENNETH, b. New York, N.Y., Aug. 16, 30; m. 52; c. 3. PSYCHIATRY, PSYCHOBIOLOGY. A.B., Syracuse, 51; M.D., State Univ. N.Y., 55. Intern. Albert Einstein Med. Center, 55-56; sr. psychiatrist, ROCKLAND STATE HOSP., 58-61, CHIEF INVEST. PSYCHIATRI, RES. CENTER, 61- U.S.A.F. 56-58, Capt. AAAS; fel. Psychiat. Asn.; Am. Med. Asn.; Geront. Soc.; Soc. Psychophysiol. Res.; Soc. Biol. Psychiat.; Electroencephalog. Soc.; N.Y. Acad. Sci. Clinical psychiatry; brain function as indicated by electrical activity, particularly in relation to schizophrenia; gerontology and cerebral blood flow; cranial electric impedance; hypnosis and emotional states; psychopharmacology. Publ: Co-auth. The polygraphic recording of a repeated hypnotic abreaction with comments on abreactive psychotherapy, J. Nervous & Ment. Disease, 3/60; auth. An examination of evoked potentials as indicators of information processing in normal and schizophrenic subjects. In: Current problems in the study of average evoked potentials, Sci. & Tech. Info. Div. NASA, 69; co-auth. Psychopharmacology in geriatrics. In: Principles of psychopharmacology, Acad. Press, 70. Address: Research Center, Rockland State Hospital, Orangeburg, N.Y. 10923.
- LIGHT, DEAN ISRAEL. Social Science. See L-Z Vol. 11th ed, Soc. & Behav. Vols. New position & address: Dean, 69-, School of Related Health Sciences, Chicago Medical School, 2020 W. Ogden Ave., Chicago, Ill. 60612.
- LIGHTNER, DR. ARDYCE LEAH STEVENS. Education. See L-Z Vol. 11th ed, Soc. & Behav. Vols. New position & address: Chmn., 69-, Dept. of Business, Radford College, Radford, Va. 24141.
- LIGHTNER, DR. JAMES EDWARD. Mathematics, Education. See Suppl. VI to 11th ed, Phys. & Biol. Vols.
- LILPHART, DR. AREND. Political Science. See L-Z Vol. 11th ed, Soc. & Behav. Vols. New position & address: Prof. int. rels., 68-, Institute of International Studies, University of Leiden, Hugo de Grootstraat 27, Leiden, The Netherlands.
- LILLARD, DR. WILLIAM CLAIR, b. Pawhuska, Okla., Sept. 15, 22; m. 50; c. 5. ECONOMICS. B.A., Sacramento State Col., 64; Ph.D. (econ), Texas, Austin, 69. Cattle buyer, Livestock Buying Co., Inc. 47-49; rep. animal feed dept., Swift & Co., 49-57; pres. & gen. mgr., Pac. Farm Supply, Inc., 57-59; teaching asst. econ. Texas & res. asst. center for econ. develop., 65-67; ASSOC. PROF. ECON, CENT. WASH. STATE COL., 68-, DIR. INST. LATIN AM. AFFAIRS, 69- U.S.A., 42-45. Econ. Asn. Economic development of Central America and South America, primarily those with an agricultural base. Address: Dept. of Economics, Central Washington State College, Ellensburg, Wash. 98926.
- LILLY, DR. ROY SHERMAN, b. Rockford, Ill., Nov. 30, 40; m. 61; c. 1. PSYCHOLOGY. B.A., Illinois, 62; Ed. Testing Serv. fel. Princeton, 62-65, Ph.D. (psychol), 65. Asst. prof. PSYCHOL., KENT STATE, 65-69, ASSOC. PROF., 69- AAAS; Psychol. Asn.; Psychomet. Soc. Psychometrics. Publ: The qualification of evaluative adjectives by frequency adverbs, 7: 333-336, Multiplying values of intensive, probabilistic and frequency adverbs when combined with potency adjectives, 7: 854-858 & Adverbial qualification of adjectives connoting activity, 8: 1043-1045, J. Verbal Learning & Verbal Behav. Address: Dept. of Psychology, Kent State University, Kent, Ohio 44240.
- LIM, DR. RAMON (KHE SIONG). Neurochemistry. See Suppl. V & VI to 11th ed, Phys. & Biol. Vols.
- LIN, DR. CHI-YUAN, b. Keelung, Taiwan, Sept. 21, 35; m. 61. STATISTICS, MANAGEMENT SCIENCE. B.A., Nat. Taiwan Univ., 58; M.S. Mass. Inst. Tech., 66, univ. & Ford Found. fels. & Ph.D. (mgmt), 68. Teaching asst. inst. dist. mgmt, Nat. Taiwan Univ., 60-63; asst. mgmt. & statist. Mass. Inst. Tech., 63-65; ASST. PROF. QUANT. BUS. ANAL. SOUTHERN CALIFORNIA, 68- Chinese Air Force, 58-60. Statist. Asn.; Inst. Math. Statist.; Biomet. Soc. Classical and Bayesian statistics applied to business and industrial problems. Publ: Co-auth. Four procedures for testing linear hypotheses, Indust. Mgt. Rev., fall 68 & On the selling price and buying price of a lottery, Am. Statistician, 12/69. Address: Dept. of Quantitative Business Analysis, University of Southern California Graduate School of Business Administration, Los Angeles, Calif. 90007.
- LIN, DR. S(UE) (CHIN). Mathematics, Applied Mathematics. See L-Z Vol. 11th ed, Soc. & Behav. Vols. New information: Mem. sch. math. inst. adv. study, Princeton, 69- Address: 41 Einstein Dr., Princeton, N.J. 08540.
- LINCOLN, BRIG. GEN. (GEORGE) (ARTHUR), U.S.A. (RET). Social Science. See L-Z Vol. 11th ed, Soc. & Behav. Vols. New position & address: Dir., 69-, Office of Emergency Preparedness, Washington, D.C. 20504.
- LINDBERG, DR. DONALD GILSON, b. Wagner, S. Dak., Nov. 6, 32; m. 54; c. 2. ANTHROPOLOGY. B.A., Houghton Col., 56; M.A. Chicago, 62; Nat. Inst. Health fel. & Ph.D. (anthrop.), California, Berkeley, 67. Asst. specialist, NAT. CENTER PRIMATE BIOL., 64-67, ASST. RES. ANTHROPOLOGIST, 67-; ASST. PROF. ANTHROP., CALIFORNIA, DAVIS, 67- AAAS; fel. Anthrop. Asn.; Asn. Phys. Anthropol.; Animal Behav. Soc. Social behavior and ecology of non-human primates; evolution of primate behavior; evolutionary differentiation of primates. Publ: Motor skills of infant rhesus monkeys with thalidomide-induced forelimb malformations, Develop. Psychobiol., 2: 184-190; Rhesus monkeys: mating season mobility of adult males, Science, 11/69; Grooming as a regulator of social interactions in rhesus macaques, In: Behavior regulators of behavior in primates, Pa. State Univ., 70. Address: 400 Anza Ave., Davis, Calif. 95616.
- LINDE, ERNST, b. Germany, June 29, 11; U.S. citizen; m. c. 3. ECONOMICS. Certs. Law & Econ. Univ. Freiburg, Munich, Frankfurt & Berlin, 29-33; Cornell, 43-44. Chief examiner, Denatification Rev. Bd., U.S. Zone of Germany, 45-46; branch chief, Regional Gov. Coord. Off., 46-47; U.S. zone, bipartite control off., U.S. Off. Military Gov. for Germany, 47-49; polit.-govt. officer, U.S. High Cmn. for Germany, 49-51, deputy div. chief, civic & legis. activities, 51-52, cultural officer, 52; prog. officer, int. cultural rels. Govt. Affairs Inst., 53-62; res. officer, U.S. Agency Int. Develop., 62-68; HEALTH SCIENTIST & ADMINISTR., NAT. AIR POLLUTION CONTROL ADMIN., U.S. DEPT. HEALTH, ED. & WELFARE, 68- Participant, For. Leader & Specialist Prog. Fed. Weib. Germany, summer 61. Exec. secy. nat. air qual. criteria adv. cmt. nat. air pollution control admin. environ. health serv., U.S. Dept. Health, Ed. & Welfare, 68. U.S.A., 41-45, Sgt. Bronze Star Medal. AAAS; Polit. Sci. Asn.; Acad. Polit. & Soc. Sci.; Soc. Pub. Admin.; Soc. Int. Develop. Public administration and negative control of behavior. Publ: Attenuation and reestablishment of the CER by avoidance conditioning in rats, J. Comp. & Physiol. Psychol., 69. Address: Dept. of Psychology, University of Nebraska, Lincoln, Nebr. 68508.
- LINDEBERG, DR. JAMES WALTER, b. Omaha, Nebr., May 4, 39; m. 63; c. 1. POLITICAL SCIENCE. A.B., Omaha, 61; M.A., Nebraska, 64, Ph.D. (polit. sci.), 67. ASST. PROF. POLIT. SCI., Cent. Mo. State Col., 66-67; TOLEDO, 67- Polit. Sci. Asn.; Pub. Choice Soc. American politics and public policy; empirical political theory and methodology; legislative behavior. Publ: Co-auth. Bryan, Norris and the doctrine of party responsibility, Mid-Continent Am. Studies, J. spring 70; auth. Oligopoly model of political market systems, Pub. Choice, fall 70 & Interest group attitudes toward reciprocal trade legislation, Pub. Opinion Quart., 70. Address: 2526 Meadowood Dr., Toledo, Ohio 43606.
- LINDEN, DR. DAVID R., b. Cannonsburg, Pa., June 4, 40; m. 65; c. 2. PSYCHOLOGY. B.S. St. Vincent Col., 62; M.A., West Virginia, 65, Ph.D. (psychol), 68. ASST. PROF. PSYCHOL., NEBRASKA, LINCOLN, 68- Avoidance conditioning and aversive control of behavior. Publ: Attenuation and reestablishment of the CER by avoidance conditioning in rats, J. Comp. & Physiol. Psychol., 69. Address: Dept. of Psychology, University of Nebraska, Lincoln, Nebr. 68508.
- LINDEN, DR. JAMES I., b. Detroit, Mich., Apr. 5, 43. CLINICAL & COMMUNITY PSYCHOLOGY. B.A., Michigan, 64; M.A., Mich. State, 65, Ph.D. (clin. psychol), 68. ASST. PROF. PSYCHOL., CALIF. STATE COL. LONG BEACH, 68- Psychol. consult., Long Beach Community Improve. League, 68-; psychol. consult. & mem. bd. dirs., Long Beach Free Clin., 69-; mem. bd. dirs., Long Beach Jewish Community Center, 70-73. Psychol. Asn. Procedures to use to expand the number of qualified individuals to do psychotherapy; training programs with college students and indigenous poor people. Publ: On Expressing physical affection to a therapy patient, Voices: the art & sci. of psychother., fall 68; The training of undergraduates in play techniques, J. Clin. Psychol., 4/69. Address: Dept. of Psychology, California State College at Long Beach, Long Beach, Calif. 90801.

- LINDER, DR. DARWYN ELLSWORTH, b. Minneapolis, Minn. Sept. 23, 39; m. 65. **PSYCHOLOGY**. B.A., Macalester Col., 61; Danforth tel. & Ph.D. (psychol.), Minnesota, 65. Asst. prof. **PSYCHOL.** DUKE, 65-69; **ASSOC. PROF.**, 69- **Soc. Sci. Res. Coun.** faculty res. grant, 68-69; **AAAS**; **Psychol. Assn.** Experimental social psychology; attitude change; interpersonal attraction; cognitive models of interaction. Publ: Co-auth, Gain and loss of esteem as determinants of interpersonal attractiveness, 1: 156-171 & Discriminative stimuli as determinants of consonance and dissonance, 5: 467-482. **J. Exp. Soc. Psychol.**, co-auth, Decision freedom as a determinant of the role of incentive magnitude in attitude change, **J. Personality & Soc. Psychol.**, 6: 245-254. Address: Dept. of Psychology, Duke University, Durham, N.C. 27706.
- LINDER, DR. FORREST (EDWARD). **Statistics**. Demography. See L-Z Vol, 11th ed. **Soc. & Behav. Vols.** New information: Mem. cmpt. pop. res. policy, Nat. Inst. Child Health & Human Development, 68-71; chmn., U.S. Nat. Cmt. Health & Vital Statist, 68-72. Address: Dept. of Biostatistics, School of Public Health, University of North Carolina, Chapel Hill, N.C. 27514.
- LINDGREN, DR. (JOHN) RALPH. **Philosophy**. See 5th ed, Dir. Am. Scholars, Vol. IV, Philos. Relig. & Law.
- LINDGREN, DR. JON G, b. Lake City, Iowa, Sept. 18, 38; m. 63; c. 2. **POPULATION ECONOMICS**. B.S., Iowa State, 60; Puerto Rico, 60-61; M.A., Missouri, 62, Ph.D. (econ), 67. **ASST. PROF. ECON. & CHMN. DEPT.**, N.D.A.K. STATE, 67. Monetary theory; economic anthropology. Address: Dept. of Economics, North Dakota State University, State University Station, Fargo, N.Dak. 58102.
- LINDHOLM, DEAN RICHARD W (ADSWORTH). **Economics**. See L-Z Vol, 11th ed. **Soc. & Behav. Vols.** Change of address: 2520 Fairmont Blvd, Eugene, Ore. 97403.
- LINDLEY, PROF. WILLIAM RALSTON. **Journalism**. See L-Z Vol, 11th ed, **Soc. & Behav. Vols.** New information: Ph.D. (higher ed), Washington (Seattle), 70. Address: Dept. of Journalism, Idaho State University, Pocatello, Idaho 83201.
- LINDMARK, RONALD DORANCE. **Forest Economics**. See Suppl. VI to 11th ed, **Phys. & Biol. Vols.**
- LINDNER, DR. WILLIAM A, b. New York, N.Y., Oct. 1, 39; m. 64; c. 1. **SENSORY PSYCHOLOGY**. A.B., Columbia, 21; Ph.D. (psychol.), Indiana, 66. **ASST. PROF. PSYCHOL.** CALIF. STATE COL. FULLERTON, 66- **AAAS**; **Acoustical Soc. Am.** Psychoacoustics; decision theory. Publ: Co-auth, Lateralization of sounds at the unstimulated ear opposite a noise-adapted ear, *Science*, 147: 63-65; auth, Recognition performance as a function of detection criterion in a simultaneous detection-recognition task, *J. Acoustical Soc. Am.*, 44: 201-211; auth, Masking-level differences in the detection of a psychometric function, *Perception & Psychophys.*, 5: 209-215. Address: Dept. of Psychology, California State College at Fullerton, 800 N. State College Blvd, Fullerton, Calif. 92631.
- LINDON, DR. JOHN A (RONOLD). **Psychiatry**, **Psychoanalysis**. See L-Z Vol, 11th ed, **Soc. & Behav. Vols.** Correction: Supv. & training analysis, *Southern California Psychiatry Psychoanal.* Inst, 56- Address: Linde Medical Plaza, 10821 Wilshire Blvd, Los Angeles, Calif. 90024.
- LINDQUIST, PROF. E (VERET) F (RANKLIN). **Statistics**. See L-Z Vol, 11th ed, **Soc. & Behav. Vols.** New information: Emer. prof, Iowa, 69-; pres., Iowa Measurement Res. Found., 68- Address: University of Iowa, N101 East Hall, Iowa City, Iowa 52240.
- LINQUIST, PROF. FRANKLIN RICHARD, b. Chicago, Ill., Mar. 15, 04; m. 35; c. 3. **EDUCATION**. **ENGLISH**. B.S., Northwestern, 25, M.S., 34, Ph.D. (ed), 49. Instr. Eng., Maine Twp. High Sch., 49-46, dean of boys, 43-46; instr. ed., Northwestern, 46-48; Eng. Chicago City Col., Wright Br., 48-49; asst. prof. ed. & psychol. CENT. CONN. STATE COL., 49-51, assoc. prof., 51-55, **PROF. ED**, 55- Instr., Maine Twp. Jr. Col., 40-42; summer vis. lectr., Ill. State Normal Sch., 38, Washington (St. Louis), 51. Nat. Coun. Teachers of English. Child development; developmental and remedial reading. Publ: Co-auth, Handbook for literature, I, II, III, Holt, 59; auth, Communication through the arts—dramatization, *Childhood Ed.*, 2/51 & We need to learn from and about children, *Reading Teacher*, 10/53. Address: Dept. of Education, Central Connecticut State College, New Britain, Conn. 06050.
- LINDSAY, DR. KEITH J (AY). **Psychology**. See L-Z Vol, 11th ed, **Soc. & Behav. Vols.** New position & address: Assoc. prof. psychol., 68-; Dept. of Education, Angelo State University, San Angelo, Tex. 76901.
- LINDSEY, DR. QUENTIN W (ILLIAM). **Economics**. See L-Z Vol, 11th ed, **Soc. & Behav. Vols.** New position & address: Mgr. pop. planning & stat. group, 69- **Statistics Research Division**, Research Triangle Institute, P.O. Box 12194, Research Triangle Park, N.C. 27709.
- LINGREN, DR. HERBERT G, b. Boxholm, Iowa, Nov. 18, 32; m. 58; c. 4. **SOCIOLOGY**. B.S., Iowa State, 57, M.S., 64, Ph.D. (sociol), 67. Teacher, high sch., Iowa, 57-59; asst. coop. exten. dir., Greene County Exten. Serv., 59-62; res. assoc. **SOCIAL**, Iowa State, 62-66; instr. 66-67; **ASST. PROF.**, IDAHO STATE, 67- **Asst. dir.**, Inst. Govt. & Soc. Res., 69- **U.S.A.**, 52-54, **Sgt. Sociol. Assn.**; **Rural Sociol. Soc.** Community development and social action institutes; community power structure analysis; collective behavior and social movements analysis. Publ: Co-auth, Behavior studies related to pesticides, Iowa State Univ., 87; auth, Perception changes of farm emigrants before and after migration, *Rural Sociol.*, 6/69; Inter-system conflict: the state and the old order Amish, *Rocky Mt. Soc. Sci. J.*, 10/70. Address: Dept. of Sociology, Idaho State University, Pocatello, Idaho 83201.
- LINDNER, DR. C (HARLES) (ANDREW), JR. **Economics**. See L-Z Vol, 11th ed, **Soc. & Behav. Vols.** New information: Regional dir. for Latin Am., 69-; Population Council, 245 Park Ave., New York, N.Y. 10017.
- LINK, DR. MAE M (ILLS). **History**. See 5th ed, Dir. Am. Scholars, Vol. I, Hist.
- LINNENBERG, DR. CLEM C (HARLES), JR. **Economics**, **Government**. See L-Z Vol, 11th ed, **Soc. & Behav. Vols.** New information: Independent consultant. econ. & statist, 69- Address: 3812 Benton St. N.W., Washington, D.C. 20007.
- LINSKY, DR. ARNOLD S, b. Ashland, Mass., July 8, 32; m. c. 2. **SOCIOLOGY**. A.B., Dartmouth Col., 54; M.A., Washington (Seattle), 63, Ph.D. (sociol), 66. Res. asst. **SOCIAL**, dept. psychiat. med. sch., Washington (Seattle), 59-60; res. assoc., 60-66; **ASST. PROF.**, NEW HAMPSHIRE, 66-; **CHMN. DEPT.**, 69- **Sci. Adv. Cmn. res. grant**, Licensed Beverage Inst. Inc., 68-69. Consult., Wash. State Dept. of Soc. & Behav., 61-66. **U.S.A.**, 56-58. **Sociol. Soc. Pop. Assn. Am.** Medical sociology; deviant behavior and social control; population. Publ: Some generalizations concerning primate cities, *Ann. Am. Assn. Geogr.*, 65, A factorial experiment in inducing mailback returns, *Sociol. & Soc. Res.*, 65 & Community structure and depression, *Soc. Probs.*, summer 69. Address: Dept. of Sociology & Anthropology, University of New Hampshire, Durham, N.H. 03824.
- LINSLEY, DR. HARLAN LEIGH. **Psychology**. See L-Z Vol, 11th ed, **Soc. & Behav. Vols.** New position: Assoc. prof., 69-; Dept. of Psychology, Wisconsin State University, Oshkosh, Wis. 54902.
- LINTON, DR. PATRICK H. **Psychiatry**. See L-Z Vol, 11th ed, **Soc. & Behav. Vols.** New information: Also chmn. dept. psychiat. & psychiatrist-in-chief psychiat. serv. Dept. of Psychiatry, Medical College of Alabama, 1700 Seventh Ave., Birmingham, Ala. 35203.
- LINVILL, PROF. WILLIAM K (IRBY). **Engineering**. See 11th ed, **Phys. & Biol. Vols.**
- LINVILLE, DR. FRANCIS (ARON). **Economics**. See L-Z Vol, 11th ed, **Soc. & Behav. Vols.** New information: Retired. Address: 1311 Lynnbrook Dr., Arlington, Va. 22201.
- LINZ, DR. JUAN J, b. Bonn, Germany, Dec. 24, 26; m. 68. **SOCIOLOGY**. Lic. en Cien. Pol., Madrid, 47, Lic. en derecho, 48; **Soc. Sci. Res. Coun.** grant, Columbia, 58, Ph.D. (sociol), 59. Tech. secy, Inst. Polit. Studies, Madrid, Spain, 48-50; lectr. social, California, Berkeley, 56-57; **Columbia**, 59; prof. sch. Indust. Orgn., Madrid, 59-60; asst. prof., Columbia, 61-65, assoc. prof., 65-68; **PROF. SOCIOLOG.** & **POLIT. SCI.**, YALE, 68- **Prof.**, Univ. Madrid, 60; Guggenheim Mem. Found. fel., center adv. study behav. sci., Stanford, 63-64, vis. assoc. prof. hist, 66; **Soc. Sci. Res. Coun.** Joint Cmt. Latin Am. Studies collab. grant, 70. Consult., Orgn. Econ. Coop. & Develop. Dept. Tech. Coop. Serv. & Spanish Govt., 67. Mem. cmpt. polit. cmt. Int. Sociol. Assn., 61-; Conf. Govt. on German Polit. **Soc. Pub. Admin.**; **Am. Sociol. Assn.**; **Am. Polit. Sci. Assn.**; **Spanish Hist. Assn.**; **Int. Sociol. Assn.**; **Int. Polit. Sci. Assn.** Political sociology, particularly comparative political systems, political parties, electoral behavior and public opinion; politics and social structure of modern Spain; comparative social institutions, particularly of Europe, elites and entrepreneurship; history of sociological theory. Publ: Cleavage and consensus in West German politics in the early fifties, In: *Party systems and voter alignments*, Free Press, 67; An authoritarian regime: Spain, In: *Cleavages, ideologies, and party systems*, Westermarck Soc. Helsinki, 64 & in: *Mass politics: studies in political sociology*, Free Press, 70; From falange to movimiento-organizacion: the Spanish single party and the Franco regime, (1936-1968), In: *Authoritarian politics in modern society: the dynamics of established one-party systems*, Basic Bks, 70. Address: Dept. of Sociology, Yale University, New Haven, Conn. 06520.
- LION, DR. DONOR M (TICHELL). **Economics**. See L-Z Vol, 11th ed, **Soc. & Behav. Vols.** New position: Consul gen. Recife, Brazil, U.S. Dept. of State, 68- Address: American ConGen/Recife, APO New York 09876.
- LIPMAN, PROF. AARON. **Sociology**. See L-Z Vol, 11th ed, **Soc. & Behav. Vols.** New position: Prof., 69-; Dept. of Sociology & Anthropology, University of Miami, Coral Gables, Fla. 33124.
- LIPPITT, PROF. RONALD. **Social Psychology**. See L-Z Vol, 11th ed, **Soc. & Behav. Vols.** New information: 1509 prof. dir., Center for Research on the Utilization of Scientific Knowledge, University of Michigan, Ann Arbor, Mich. 48104.
- LIPPMAN, DR. LOUIS G. **Psychology**. See L-Z Vol, 11th ed, **Soc. & Behav. Vols.** New position: Assoc. prof., 69-; Dept. of Psychology, Western Washington State College, Bellingham, Wash. 98225.
- LIPSCHUTZ, DR. LOUIS S (ANDERSON). **Psychiatry**, **Psychoanalysis**. See L-Z Vol, 11th ed, **Soc. & Behav. Vols.** Change of address: 2243 Golfview Dr., Troy, Mich. 48064.
- LIPSCHUTZ, MICHAEL DAVID. **Computer Sciences**. See 12th ed, **Phys. & Biol. Vols.**
- LIPSCOMB, DR. DAVID M. **Audiology**. See Suppl. V & VI to 11th ed, **Phys. & Biol. Vols.**
- LIPSITT, DR. DON RICHARD. **Psychiatry**, **Psychoanalysis**. See Suppl. VI to 11th ed, **Phys. & Biol. Vols.**
- LIPSKY, DR. DAVID (BRUCE). **Economics**. See L-Z Vol, 11th ed, **Soc. & Behav. Vols.** New position & address: Asst. prof., 69- **N.Y. State School of Industrial & Labor Relations**, Cornell University, Ives Hall, Ithaca, N.Y. 14850.
- LIPSKY, PROF. GEORGE ARTHUR, b. Seattle, Wash., Apr. 3, 12; dir. **POLITICAL SCIENCE**, **INTERNATIONAL POLITICS**, A.B., Washington (Seattle), 38; Ph.D. (polit. sci.), California, 48. Instr. govt. & hist., U.S. Mil. Acad., 43-48; lectr. polit. sci., California, 46-48, asst. prof., 48-53; Carnegie res. fel.

- int. polit. Coun. For. Relis, 53-54; lect. polit. sci. & hist. Yale, 54-55; assoc. prof. comp. polit. American Univ, 55-61; sr. admin. asst. off. for. secy. Nat. Acad. Sci. Nat. Res. Coun, 61-62. PROF. POLIT. SCI. WARASHI, K. 62. Sr. res. assoc. comp. polit. Washington by Human Relis. Area Files, American Univ, 55-58, FASD spec. opera. res. off, 58-61, team chmn. univ, 58-61; Ford travel grant, Pakistan, 65. U.S.A., 42-62, Capt. Polit. Sci. Asn. History of political thought; theory of international relations; political geography; Asian governments. Publ: John Quincy Adams, his theory and ideas, Crowell, 50; co-auth. Saudi Arabia: its people, its society, its culture & Ethiopia: its people, its society, its culture, Human Relis. Area Files, 59. Address: 1101 W. Pike St, Crawfordsville, Ind. 47933.
- LIPSKY, DR. MICHAEL, b. New York, N.Y., Apr. 13, 40; m; c. 2. POLITICAL SCIENCE. A. B. Oberlin Col, 61; M.P.A. & M.A. Princeton, 64, Ph.D.(polit), 67. Asst. prof. polit. sci. & staff assoc. inst. res. on poverty, Wisconsin, 67-69; ASSOC. PROF. POLIT. SCI. MASS. INST. TECH, 69. Staff assoc. Joint Center Urban Studies, Harvard & Mass. Inst. Tech, 69. Urban politics. Publ: Protest in city politics, Rand McNally, 70. Address: 42 Brington Rd, Brookline, Mass. 02146.
- LIPSON, PROF. LEON. Law. See 5th ed, Dir. Am. Scholars, Vol. IV, Philos, Relig. & Law.
- LIPTON, DR. JAMES MATTHEW, b. Warren, Ark, Aug. 10, 38; m; c. 2. PSYCHOLOGICAL PSYCHOLOGY. M.A. Texas Christian, 62; Vet. Admin. trainee & Ph.D.(psychol), Colorado, 64. U.S. Army, Serv. fel. med. sch, Michigan, 64-66; ASST. PROF. PSYCHOL. MED. SCH. TEXAS, DALLAS, 66- U.S. Spec. res. fel. inst. Animal Psychol, Eng, 69- AAAS; Animal Behav. Soc; Psychol. Asn. Physiological and behavioral aspects of thermoregulation; bio-psychological relations in homeostatic regulations; neural control systems. Publ: Effects of preoptic lesions on heat-escape responding and colonic temperature in the rat, 3: 165-169 & Effects of desaturation on behavioral thermoregulation against heat, 4: 723-727. Physiol. & Behav; Effects of high fat diets on caloric intake, body weight and heat-escape responses in normal and hyperphagic rats, J. Comp. Physiol. Psychol, 8: 507-515. Address: Psychology Division, University of Texas Medical School at Dallas, Dallas, Tex. 75235.
- LIPTON, MILTON. Economics, Statistics. See L-Z Vol, 11th ed, Soc. & Behav. Vols. New position: Exec. v-pres, 68, W.J. Levy, Consultants Corp, 30 Rockefeller Plaza, New York, N.Y. 10020.
- LISKE, DR. RALPH EDGAR. Clinical & Counseling Psychology. See L-Z Vol, 11th ed, Soc. & Behav. Vols. Change of address: 1195 Fairchild Ave, Kent, Ohio 44240.
- LISS, PROF. SHELDON B. History, International Relations. See Suppl. 1 to 5th ed, Dir. Am. Scholars.
- LISSITZYN, PROF. OLIVER JAMES. International Law & Relations. See 5th ed, Dir. Am. Scholars, Vol. IV, Philos, Relig. & Law.
- LIST, DR. GEORGE H, b. Tucson, Ariz, Feb. 11, 11; m; 34; c. 1. ETHNOMUSICOLOGY, FOLKLORE. B.S. Columbia, 41, M.A. 45; Fund Adv. Ed. fel, Indiana, 52, Ph.D.(musicol), 54. Instr. music, Colo., 45-46; asst. prof. Miami (Ohio), 46-48, assoc. prof. 48-53; DIR. ARCH. TRADITIONAL MUSIC, INDIANA, BLOOMINGTON, 54-. DIR. INTER-AM. PROG. ETHNOMUSICOL, 66-. PROF. FOLKLORE, 69-. assoc. prof. 65-69. Am. Philos. Soc. grant-in-aid, 63; Fulbright award, Colombia & prof. ethnomusicol, Nat. Univ. Colombia, 64-65. Soc. Ethnomusicol.(secy, 62-64); Folklore Soc; Musicol. Soc; Int. Folk Music Coun. Relations of text and melody in song; music of the Hopi Indians; Negro music in Colombia. Publ: The boundaries of speech and song, Ethnomusicology, 1/63; Acculturation and musical tradition, Int. Folk Music Coun. J, 64; Toward the indexing of ballad texts, J. Am. Folklore, 1-3/68. Address: Maxwell Hall 013, Indiana University, Bloomington, Ind. 47401.
- LISTER, PROF. JAMES LEON, b. Ingham, Ill, Feb. 16, 36; m; 56; c. 2. COUNSELOR EDUCATION. B.S. Eastern Illinois, 58, M.S. 59; Ed.D.(counseling), Illinois, 62. Teacher & prin. elem. sch, Ill, 56-57; res. assoc. counseling, Illinois, 61-62; asst. prof. COUNSR. ED, FLORIDA, 62-66; assoc. prof. 66-68, PROF. & CHMN. DEPT. 68- Summers, vis. lectur, Eastern Illinois, 65; Northern Michigan, 67. Personnel & Guid. Asn; Ann. Counsr. Ed. & Supv. (ed, Counsr. Ed. & Supv, 68-71); Psychol. Asn. Use of tests in counseling; counselor characteristics; counselor supervision. Publ: Co-auth, Selection, preparation and professionalization of specialists, Rev. Ed. Res, 4/63; Auth, The counselor's personal theory, Counsr. Ed. & Supv, summer 64 & Teaching experience for counselors 7, Bull. Nat. Ass. Nat. Sec. Sch. Prin, 10/69. Address: 100 Norman Hall, Dept. of Counselor Education, University of Florida, Gainesville, Fla. 32601.
- LISTON, THOMAS CORWIN. Geology, Paleontology. See Suppl. V & VI to 11th ed, Phys. & Biol. Vols.
- LITMAN, DR. THEODOR J, b. Duluth, Minn, Aug. 7, 32; m; c. 2. SOCIOLOGY. B.A. Minnesota, 54, M.A. 56, U.S. Pub. Health Serv. fel, 59-60, Ph.D.(sociol), 61. ASSOC. PROF. HEALTH CARE ADMIN. & MED. SOCIOLOGY, MINNESOTA, MINNEAPOLIS, 61- U.S. Pub. Health Serv. grants, health care & the family, 66-69 & sharing hosp. serv. demonstration proj, 67-70; participant, physician mobility study, Northlands Regional Med. Proj, 69-70; co-chmn, regional conf. ed. & licensure, Nursing Home Admin, 70- U.S.A.R, 56-64, Capt. Social Asn; Pub. Health Asn. Sociology of medicine and medical institutions; group practice; sharing of hospital services; medical manpower. Publ: The physician and the family, physical rehabilitation, J. Chronic Diseases, 66; co-auth, Health care and the family, Med. Care, 70; auth, Physical rehabilitation, a social psychological approach, In: Patients physician and illness, Free Press (in press). Address: Dept. of Sociology, University of Minnesota, 1260 Mayo, Minneapolis, Minn. 55455.
- LITTERER, PROF. JOSEPH AUGUST. Management Science. See L-Z Vol, 11th ed, Soc. & Behav. Vols. New position & address: Prof. 69-. Dept. of Management, University of Massachusetts, Amherst, Mass. 01002.
- LITTLE, DR. CHARLES HARVEY, b. Rocky Mount, N.C., Aug. 17, 38. STATISTICS, AGRICULTURAL ECONOMICS. B.S. N.C. State, 61; M.A. & Ph.D. (agr. econ), California, Berkeley, 65. ASST. PROF. agr. econ, Okla. State, 65-68; STATIST. N.C. STATE, 68-. Agr. Econ. Asn; Economet. Soc; Statist. Asn. Regional economic development, including several input-output studies. Address: Dept. of Experimental Statistics, North Carolina State University School of Physical Sciences & Applied Mathematics, Box 5457, Raleigh, N.C. 27607.
- LITTLE, DR. MICHAEL A. b. Abington, Pa. Mar. 24, 37; m; 65. PHYSICAL ANTHROPOLOGY, HUMAN BIOLOGY. B.A. Pa. State, 62, M.A. 65; Wenner-Gren Found. grant-in-aid, 66, U.S. Pub. Health serv. fel, 66-67, Ph.D.(anthrop), 68. Res. asst. Andean biocultural studies in Peru, Pa. State, 64-65; ASST. PROF. ANTHROP, OHIO STATE, 67- Summers, faculty res. grant, Houston, 69. AAAS; NASA faculty fel. environ. physiol. Manned Spacecraft Center, Phys. Anthropol, 69. Asn. Phys. Anthropol, 69. Bone densitometry; theoretical perspectives of human ecology; cultural and biological adaptations to environmental stress; circadian rhythms. Publ: Co-auth, Bone density changes with age: altitude, sex, and race factors in Peruvians, 37: 122-36 & auth, Temperature regulation at high altitude: Quechua Indians and U.S. whites... (in press), Human Biol; Foot temperature responses to a moderate cold stress in highland Peruvian males, Am. J. Phys. Anthropol, 27: 248. Address: Dept. of Anthropology, Ohio State University College of Social and Behavioral Sciences, Columbus, Ohio 43210.
- LIU, DR. ALAN PING-LIN. Political Science. See L-Z Vol, 11th ed, Soc. & Behav. Vols. New position & address: Asst. prof, 69-. Dept. of Political Science, University of California, Santa Barbara, Calif. 93106.
- LIU, DR. HSIEN-TUNG, b. Canton, China, Feb. 17, 35; m; 64. POLITICAL SCIENCE. B.A. Taiwan, 58, M.A. Chico State Col, 62; Ph.D.(int. rels), Claremont Grad. Sch, 67. ASST. PROF. POLIT. SCI. Chico State Col, 65-77. POINT PAIC Col, 67. Polit. Sci. Asn. Soc. Law, Asia, Asian Studies. International relations; diplomatic history of China and Russia; comparative government. Publ: Border disputes between Imperial China and Tsarist Russia, Univ. Microfilms, 68. Address: 5863 Hobart St, Pittsburgh, Pa. 15217.
- LIU, DR. JUNGO-CHAO, b. China, Feb. 9, 29; m; 58; c. 3. ECONOMICS. B.A. Taiwan, 50; M.A. Washington (Seattle), 55; Ph.D.(econ), Michigan, 60. ASSOC. PROF. ECON, MCGILL, 66- Econ. Asn; Economet. Soc. Econometrics; mathematical economics; economic theory. Address: Dept. of Economics, McGill University, Montreal, Que. Can.
- LIU, PROF. SHIA-LING, b. Ninghsiang, China, May 23, 22; m; 57; c. 3. POLITICAL SCIENCE. B.A. Nat. Chengchi Univ, 45; M.A. Cincinnati, 49; N.Y. Univ, 49-51; fel. inst. Int. Relis, Taipei, China, 57-59; Ed.D.(polit. sci. ed), North Texas State, 63. Asst. Exec. Yuan, China, 45-46; judge, Yu Yao Dist. Court, Chung, China, 46-47; ed. Chinese J. New York, 51-56; assoc. prof. polit. sci., Nat. Chengchi Univ, 56-57; exec. secy. Ministry Ed. China, 57-59; PROF. POLIT. SCI. Jarvis Christian Col, 59-63; FAYETTEVILLE STATE, 63- Lectr. For. Lang. Sch. for Officers, Taipei, China, 57-59. Soc. Int. Law; Polit. Sci. Asn. United States government and constitutional law; international law and relations; Chinese history. Publ: History of western political theory, China Cult. Found, 58; International relations, Nat. War Col. China, 62; Politics and U.S. foreign policies, China Daily News, 69. Address: Dept. of Political Science, Fayetteville State University, Fayetteville, N.C. 28301.
- LIU, DR. YIH-WU, b. Peking, China, Jan. 20, 35; m; 66; c. 1. ECONOMICS. B.A. Taiwan, 57; M.B.A. City Col. New York, 63; Ph.D.(econ), Southern Illinois, 68. Lectr. ECON, Southern Illinois, 67-68; ASST. PROF. YOUNG TOWN STATE, 68- Nationalist Chinese Army, 57-59, 2nd Lt. Econ. Asn. Economic theory; monetary and fiscal policy; mathematics and statistics. Publ: Economic effects of the retirement of federal interest bearing debt, 1919-1929, Am. Economist, spring 70. Address: Dept. of Economics, Youngstown State University, Youngstown, Ohio 44503.
- LIVERGOOD, DR. NORMAN DAVID. Philosophy. See 5th ed, Dir. Am. Scholars, Vol. IV, Philos, Relig. & Law.
- LIVERMORE, PROF. SHAW. Economics, Business Administration. See L-Z Vol, 11th ed, Soc. & Behav. Vols. New position: Prof. pub. admn. College of Business Administration, University of Arizona, Tucson, Ariz. 85710.
- LIVESAY, VERNIA THOMAS. Statistics. See L-Z Vol, 11th ed, Soc. & Behav. Vols. Change of address: 10500 Rockville Pike, Rockville, Md. 20852.
- LIVINGSTON, PROF. WILLIAM S(AMUEL). Government. See L-Z Vol, 11th ed, Soc. & Behav. Vols. New information: Also v.chancellor acad. progs, 69-. University of Texas, Austin, Tex. 78712.
- LLOYD, DR. DEE(NORMAN), b. Salt Lake City, Utah, Feb. 9, 34; m; 60; c. 2. PSYCHOLOGY. B.A. Utah, 56, M.A. 58; Ph.D.(counseling psychol), Ohio State, 61. Teaching asst, dept. psychol, Ohio State, 58-60; assoc. proj. dir, community proj. sec. MENT. HEALTH STUDY CENTER, NAT. INST. MENT. HEALTH, 64-65, PROJ. DIR, PERSONAL & SOC. ORGN, 65. Psychol. trainee, Vet. Admin. Hosp., Salt Lake City, Utah, 57-58 & Chillicothe, Ohio, 58-61; part-time asst. prof. dept. psychiat, Maryland, 68- U.S.A.F, 61-64, 1st Lt. Psychol. Asn. Cognitive processes; language development; research methodology; chronic schizophrenia; educational psychology. Publ: Co-auth, Sensory changes with phenothiazine medication in schizophrenic patients, J. Nervous & Ment. Dis, 64; auth, Overinclusive thinking and delusions in schizophrenic patients: a critique, J. Abnorm. Psychol, 67 & Antecedent relationships to high school dropout or graduation, Education, 68. Address: Mental Health Study Center, 2340 University Blvd. E, Adelphi, Md. 20783.
- LLOYD, DR. KENT M, b. Grace, Idaho, Mar. 5, 31; m; 54; c. 4. POLITICAL SCIENCE. B.S. Brigham Young, 55; Danford fel, Wayne State, 55-61, M.P.A. 57; Ford Found. grant, Stanford, 59-61, Ph.D.(polit. sci), 63. Res. assoc.

- Wash. State Res. Coun. 56-57; asst. prof. pub. admin. Southern California, 61-65; res. assoc. 65-66; dir. center res. pub. orgn. 63; vis. asst. prof. polit. act. Hawaii, 67; PRES. PEDR URBAN ASSOCs, 68- Consult. Governor's Cmn. Los Angeles Riots, 65. Co-dir. planned community development through exec. leadership seminars, U.S. Off. Ed. 65-66; PEDR urban exec. leadership prog. Carnegie Found. 68; Polit. Sci. Assn; Soc. Pub. Admin; Soc. Psychol. Study Social Issues. Organization theory and behavior; executive development; race and intergroup relations; urban affairs. Publ: Co-auth. The church executive, Bookcraft, 67 & Planned community development through executive leadership seminars, Univ. Southern California, 67; auth. An end or a beginning: urban race riots versus effective anti-discrimination agencies. Pub. Admin. spring 67. Address: PEDR Urban Associates, Suite 303, 3311 W. Manchester, Inglewood, Calif. 90305.
- LOYD, DR. SUSANNE P(OCH). Clinical Psychology. See L-Z Vol, 11th ed, Soc. & Behav. Vols. New information: Also assoc. coordinator, 69-, Experimental Education Program, Washington State University, 138 Old Education Bldg, Pullman, Wash. 99163.
- LOYD-JONES, PROF. ESTHER McDONALD. Psychology, Sociology. See L-Z Vol, 11th ed, Soc. & Behav. Vols. New information: Vis. prof. human behav. U.S. Int. Univ. 69-70. Address: 430 W. 116th St, New York, N.Y. 10027.
- LOCKARFF, PROF. MICHAEL A. b. Cuenca, Ecuador, June 25, 38; U.S. citizen. LAW & INTERNATIONAL MANAGEMENT. B.A. Southern California, 60; LL.B. Geneva, 63; M.B.A. California, Los Angeles, 65, Ph.D. (int. mgt), 69. Prof. law & mgt. La. State, 65-67; acct. & finance, Loyola, 67-68; PROF. LAW & MGT. CALIF. STATE COL. FULLERTON, 68- Consult. Con. Europe, 67-68. Mem. id. r. Ribaux Inc. 67-70. Author, Found. 68. Acad. Mgt. International corporate management dealing with technology transfers, joint ventures, licensing, taxation, patentency and trade marks; international business law, trade and diplomacy. Address: 1954 Dracena Dr, Hollywood, Calif. 90027.
- LOCKE, DR. BILL J. Psychology. See L-Z Vol, 11th ed, Soc. & Behav. Vols. New position & address: Assoc. prof., 69-, Dept. of Psychology, Texas Tech University, Lubbock, Tex. 79406.
- LOCKLING, PROF. BRUCE, b. Bisbee, Ariz., June 5, 05; m. 44. ECONOMICs. A.B. California, Los Angeles, 27; A.M. California, Berkeley, 29; Ph.D. (econ), Illinois, 33. Instr. econ. State Col. Wash. 29-30; soc. sci. Armour Inst. Tech, 33-35; econ, Illinois, 35-37; assoc. 37-39; asst. prof. Washington (Seattle), 39-41; for. serv. officer, U.S. Dept. State, 41-65; vis. prof. ECON, Arizona, 65-67; PROF. NORTHERN ARIZONA, 67- Meritorious honor award, U.S. Dept. State, 65. Econ. Assn. Economic systems; economic development. Address: Dept. of Economics, Box 5736, Northern Arizona University, Flagstaff, Ariz. 86001.
- LOCKNER, DR. FREDERICK RUSSELL. Zoology. See Suppl. VI to 11th ed, Phys. & Biol. Vols.
- LOCKWOOD, DR. MAREN. Sociology. See CARDEN, DR. MAREN LOCKWOOD, this Suppl.
- LODATO, DR. FRANCIS JOSEPH. Psychology. See L-Z Vol, 11th ed, Soc. & Behav. Vols. New position: Prof. ed, Barry Col., 69- Address: 400 Kings Point Dr, North Miami Beach, Fla. 33160.
- LOEB, DR. ARMIN. Psychology. See L-Z Vol, 11th ed, Soc. & Behav. Vols. Change of address: 1941 Waverly St, Philadelphia, Pa. 19146.
- LOEB, DR. FELIX (AUST), JR. Psychiatry. See L-Z Vol, 11th ed, Soc. & Behav. Vols. New information: Also acting dir. dept. psychiatrist, sch. med, Pittsburgh, 69- Address: 3811 O'Hara St, Pittsburgh, Pa. 15213.
- LOEB, DR. MICHEL. Psychology. See L-Z Vol, 11th ed, Soc. & Behav. Vols. Change of address: Dept. of Psychology, University of Louisville, Louisville, Ky. 40208.
- LOEBNER, DR. EGON E(ZRIEL). Solid State Physics. See 11th ed, Phys. & Biol. Vols.
- LOESCHER, DR. FRANK S(AMUEL). Sociology. See L-Z Vol, 11th ed, Soc. & Behav. Vols. New information: Independent consult. race & ethnic rels, 70- Address: 414 S. 46th St, Philadelphia, Pa. 19143.
- LOEWENBERG, PROF. GERHARD. Political Science. See L-Z Vol, 11th ed, Soc. & Behav. Vols. New position & address: Prof. 70-71, Dept. of Political Science, University of Iowa, Iowa City, Iowa 52240.
- LOEWENBERG, DR. J(ORN) JOSEPH. Labor Relations, Business Management. See L-Z Vol, 11th ed, Soc. & Behav. Vols. New position: Assoc. prof., 69-, Dept. of Management, Temple University School of Business Administration, Philadelphia, Pa. 19122.
- LOEWENSTEIN, DR. LOUIS KLEE, b. Pittsburgh, Pa. June 22, 27; m. 61; c. 2. CITY PLANNING. B.S. Virginia, 49; M.S. Columbia, 57; M.C.P. Pennsylvania, 59, Ph.D. (city planning), 62. Instr. city planning, Pennsylvania, 61-62; economist, Pa-Jersey Transportation Study, 62-63; sr. staff mem. city planning, Arthur D. Little Inc, 63-67; res. economist, California, Berkeley, 67-68; ACTING DIR. URBAN STUDIES PROG, SAN FRANCISCO STATE COL, 69- Urban spatial structure and industrial development. Publ: The location of residences and work places, Scarcecrow, 65; Urban studies: an introductory reader, Free Press, 70; The location of urban land uses, Land Econ, 63. Address: 3858 Jackson St, San Francisco, Calif. 94118.
- LOEWER, DR. ROBERT A(LLEN). b. Buffalo, N.Y. Aug. 13, 26; m. 65; c. 2. MARKETING. B.S. Buffalo, 50; Ed.M. 55; U.S. Steel Found. fela, Stanford, 59-61, Ph.D. (bus), 65. Asst. buyer, Adam, Meltdrum & Anderson Co, Inc, 50-53; asst. prof. MKT, State Univ. N.Y. Agr. & Tech. Inst. Alfred, 54-58;
- SAN JOSE STATE COL, 61-66, ASSOC. PROF. 66- U.S.N. 45-46. Mkt. Assn. Marketing communications and environment; consumer behavior. Publ: Challenge of change, Calif. Bus. Ed. J. 5/69. Address: School of Business, San Jose State College, 125 S. Seventh St, San Jose, Calif. 95114.
- LOFCHIE, DR. STANLEY. Clinical Psychology. See L-Z Vol, 11th ed, Soc. & Behav. Vols. New position & address: Chief psychologist, 69-, Drug Dependence Unit, Yale University School of Medicine, 104 Park St, New Haven, Conn. 06508.
- LOFGREN, DR. CHARLES A(UGUSTIN). United States Recent & Diplomatic History. See 5th ed, Dir. Am. Scholars, Vol. I, Hist.
- LOFLAND, DR. JOHN FRANKLIN. Sociology. See L-Z Vol, 11th ed, Soc. & Behav. Vols. New position & address: Assoc. prof., 70-, Dept. of Sociology, University of California, Davis, Calif. 95616.
- LOFQUIST, PROF. LLOYD H(ENRY). Psychology, Counseling. See L-Z Vol, 11th ed, Soc. & Behav. Vols. New position: Asst. v. pres. acad. admin, 70- Address: 2521 W. 55th St, Minneapolis, Minn. 55410.
- LOGAN, DR. JAMES P(HILLIPS). Industrial Economics, Business Management. See L-Z Vol, 11th ed, Soc. & Behav. Vols. New position & address: Prof., 69-, College of Business & Public Administration, University of Arizona, Tucson, Ariz. 85721.
- LOGAN, PROF. LILLIAN STERN, b. Sykeston, N.Dak., Dec. 14, 09; m. 46. POLITICAL SCIENCE. B.S. Eastern Michigan, 39; M.Ed. Wisconsin, 50, Ph.D. (ed. music), 53. Teacher hist. of ed, Findlay Col., 62-65; assoc. prof. SOC. STUDIES, BRANDON, 65-69, PROF. 70- Summer vis. prof., Alberta, 62 & 64, Victoria, 65, 66 & 67. Mem. U.S. Nat. Cmt. Childhood Ed, 50-68; Kindergarten Ed. Cmt. Assn. Childhood Ed. Int. 60-61; Can. Nat. Cmt. Childhood Ed. & Guid. & Curriculum Cmn. of Students for Democratic Action, 69. AAAS. Social studies; language arts; curriculum; musicology. Publ: Teaching the young child, Houghton, 60; co-auth. Language arts—a dynamic approach, 67 & Social studies: a creative direction, 69, McGraw. Address: Dept. of Psychology, Brandon University, Brandon, Man, Can.
- LOGAN, PROF. MALCOLM IAN, b. Inverell, Australia, June 3, 31; m. 54; c. 1. GEOGRAPHY. B.A. Univ. New England, Australia, 52; Ph.D. (geog.), Sydney, 65. Sr. lectr. GEOG, Sydney, 59-65; assoc. prof. WISCONSIN, MADISON, 66-69, PROF. 69- Vis. prof., Ibadan, 68-70. Assn. Am. Geog. Regional Sci. Assn. Industrial and urban geography; regional planning in developing countries. Publ: Co-auth. New viewpoints in economic geography, Martindale, 67; co-ed. Studies in Australian geography, Heinemann, 68. Address: Dept. of Geography, University of Wisconsin, Madison, Wis. 53706.
- LOGAN, DR. SAMUEL H. b. Salina, Kans. Oct. 23, 34; m. 56; c. 2. AGRICULTURAL ECONOMICS. B.S. Kansas State, 56, M.S. 59; Ph.D. (agr. econ), California, 62. Staff reporter, Wall St. J. Dallas, Tex. 56-58; asst. prof. agr. econ, California, Davis, 62-66; economist, Wilson & Co, Inc, 61, 66-67; ASSOC. PROF. AGR. ECON, CALIFORNIA, DAVIS, 67- Staff economist, Nat. Cmn. Food Mkt. 65-66. Agr. Econ. Assn. Livestock marketing; analyses of firm efficiency; statistical decision theory. Publ: Co-auth. Size and location factors affecting California's beef slaughtering plants, Hilgardia, Univ. Calif. 12/64 & Beef cattle feeding and slaughtering in California, Univ. Calif. Agr. Exp. Sta. Bull. 8/66; auth. A conceptual framework for analyzing economies of vertical integration, Am. J. Agr. Econ, 11/69. Address: 1200 Harvard Dr, Davis, Calif. 95616.
- LOGAN, PROF. V(IRGIL) G(LENN). Speech. See Suppl. I to 5th ed, Dir. Am. Scholars.
- LOHMAN, DR. MAURICE A. Educational Measurement. See L-Z Vol, 11th ed, Soc. & Behav. Vols. New position: Assoc. prof., 69-, Division of Teacher Education, City University of New York, 535 E. 80th St, New York, N.Y. 10021.
- LOHMAN, DR. PHILIPP H(ANS). Economics, Finance. See L-Z Vol, 11th ed, Soc. & Behav. Vols. Change of address: 45 East End Ave, Apt. 5-C, New York, N.Y. 10028.
- LOISKANDL, DR. HELMUT H. b. Vienna, Austria, Feb. 3, 34. SOCIOLOGY. M.A. St. Gabriel Univ. Philos. 40, Thelol, Vienna, 60; Ph.D. (sociol.), Munich, 67. Asst. sociol, Munich, 65-67; docent sociol. & comp. relig. St. Gabriel Univ. Philos. & Theol, Vienna, 67-68; ASST. PROF. SOCIOL, DePaul, 68- Comparative religion; sociological theory; sociology of religion; anthropology. Publ: Das ethnologische werk Damian Kreichgawers, Festschrift Schebesta, 63; Edle wilde, heiden und barbaren, St. Gabriel Verlag, 67; co-auth. chaps. In: Ursprung der religion, Morus, Berlin, 60. Address: Dept. of Sociology, DePaul University Graduate School, Chicago, Ill. 60604.
- LONDON, PROF. KURT L. Political Science, International Relations. See L-Z Vol, 11th ed, Soc. & Behav. Vols. Change of address: 1445 Oakview Dr, McLean, Va. 22101.
- LONG, DR. CHARLES RICHARD, b. Ft. Smith, Ark., Aug. 29, 40; m. 63; c. 2. ECONOMICS, REGIONAL SCIENCE. B.A. Southern Methodist, 61; Ford Found. fel. & Ph.D. (econ), Vanderbilt, 68. Indust. economist, Atlanta Fed. Reserve Bank, 65-68; ASST. PROF. ECON, GA. STATE, 68- Consult. Off. Comprehensive Health Planning, Ga. Dept. Health, 69- Econ. Assn. Regional Sci. Assn. Economic fluctuations and economic forecasting; urban and regional economics; social accounting. Publ: Impact of defense spending of the district economy, 7/66 & Job growth: population centers vs. hinterland, 11/67, Atlanta Fed. Res. Bank Monthly Rev; Forecasting specific turning points, J. Am. Statist. Assn, 6/70. Address: Dept. of Economics, Georgia State University, Atlanta, Ga. 30303.
- LONG, DR. DURWARD. American History. See 5th ed, Dir. Am. Scholars, Vol. I, Hist.

- LONG, DR. LOUIS. Psychology. See 11th ed, Soc. & Behav. Vols, deceased 68.
- LONG, DR. MILLARD F(ILLMORE). Economics. See L-Z Vol, 11th ed, Soc. & Behav. Vols. New position: Res. fel, 70-. Harvard Development Advisory Service, 1737 Cambridge St, Cambridge, Mass. 02138.
- LONG, DR. NEAL BASIL, JR. Economics. See L-Z Vol, 11th ed, Soc. & Behav. Vols. New position & address: Assoc. prof, 70-, Dept. of Economics, Youngstown State University, Youngstown, Ohio 44503.
- LONG, PROF. NORTON E. Political Science. See L-Z Vol, 11th ed, Soc. & Behav. Vols. New position & address: Prof. 68-, Dept. of Political Science, University of Illinois, Urbana, Ill. 61801.
- LONG, DR. ROY C(LEVELAND). Clinical & Physiological Psychology. See L-Z Vol, 11th ed, Soc. & Behav. Vols. Change of address: 4031 Echo Glen, Dallas, Tex. 75234.
- LONG, DR. WESLEY HOWARD. Economics. See L-Z Vol, 11th ed, Soc. & Behav. Vols. New position: Asst. dir. in charge regional anal. center, 69-, Institute for Research on Land & Water Resources, Pennsylvania State University, University Park, Pa. 16802.
- LONGMIRE, RICHARD M. Electrical Engineering, Systems Analysis. See Suppl. VI to 11th ed, Phys. & Biol. Vols.
- LOOMIS, DR. RICHARD T. Modern American History. See 5th ed, Dir. Am. Scholars, Vol. I, Hist.
- LOOS, DR. A. WILLIAM. Social Ethics, Religion. See Suppl. I to 5th ed, Dir. Am. Scholars.
- LOPATA, DR. HELENA Z(NANTECKI). Sociology. See L-Z Vol, 11th ed, Soc. & Behav. Vols. New position: Prof. sociol, Loyola (Ill), 69-. Address: 220 E. Walton, Apt. 4W, Chicago, Ill. 60611.
- LOPREATO, PROF. JOSEPH. Sociology, Anthropology. See L-Z Vol, 11th ed, Soc. & Behav. Vols. Prof. & chmn, 69-, Dept. of Sociology, University of Texas, Austin, Tex. 78712.
- LORANT, DR. JOHN HERMAN. Economics. See L-Z Vol, 11th ed, Soc. & Behav. Vols. New position & address: Econ. res. assoc, 69-, Dept. of Economic Research, American Medical Association, 535 N. Dearborn St, Chicago, Ill. 60610.
- LORBER, NEIL M. b. Brooklyn, N.Y., Feb. 12, 39. COUNSELING, BEHAVIORAL SCIENCE. A.B., Brooklyn Col, 60, M.S. 61; A.M., N.Y. Univ, 63, Ph.D.(counseling), 67. Teacher, pub. schs, New York, 60-63; counsr, high sch, N.J., 64-65; Manhattan Community Col, N.Y., 65; res. specialist, Bur. Ed. Res. Bd. Ed. City of New York, 65-68; ASSOC. PROF. NEWARK STATE COL, 68- Psychol. Asn; Sociol. Asn; Ed. Res. Asn; Personnel & Guid. Asn. Sociometric analysis; measurement and evaluation; social-psychopathology; social psychology and theory. Publ: Inadequate social acceptance and disruptive classroom behavior, J. Ed. Res., 4/66; The reliability and validity of sociometric measures, Am. Sociologist, 6/69; Concomitants of social acceptance: a review of research, Psychol, 5/69. Address: 899 Boulevard E, Weehawken, N.J. 07087.
- LORCH, PROF. ROBERT S(TUART). Political Science. See L-Z Vol, 11th ed, Soc. & Behav. Vols. New position & address: Prof. 69-, Dept. of Political Science, University of Colorado, Colorado Springs, Colo. 80907.
- LORDAHL, PROF. DANIEL S(MERSH). Experimental Psychology. See L-Z Vol, 11th ed, Soc. & Behav. Vols. New position & address: Prof. 69-, Dept. of Psychology, Florida State University, Tallahassee, Fla. 32306.
- LORENZINI, DR. AUGUST PETER. Speech, Communications. See 5th ed, Dir. Am. Scholars, Vol. II, Eng, Speech & Drama.
- LORIG, PROF. ARTHUR N(ICHOLAS). Economics. See L-Z Vol, 11th ed, Soc. & Behav. Vols. New information: Emer. prof, Washington (Seattle), 68- Address: 10704 Duriland Ave. N.E., Seattle, Wash. 98125.
- LOSEY, DR. GEORGE SPAHR, JR. Marine Biology, Animal Behavior. See Suppl. VI to 11th ed, Phys. & Biol. Vols.
- LOTT, DR. BERNICE EISMAN. Social Psychology. See L-Z Vol, 11th ed, Soc. & Behav. Vols. New position & address: Adj. prof, 69-, Dept. of Psychology, University of Rhode Island, Kingston, R.I. 02881.
- LOTT, PROF. STANLEY GEORGE, b. Walnut Grove, Miss., Jan. 3, 36; m. 57; c. 3. SOCIOLOGY. A.B., La. Col. 57; B.D., New Orleans Baptist Theol. Sem, 61, Th.D., 68. PROF. SOCIOL, TIFT COL, 67. Dynamics of the family and social disorganization. Address: Dept. of Sociology, Tift College, Box F-28, Forsyth, Ga. 31029.
- LOTTO, DR. GARY. Statistics. See L-Z Vol, 11th ed, Soc. & Behav. Vols. New position: Psychologist, Int. Bus. Mach. World Trade Corp, New York, 69-. Address: R.D. 2, Knolls Rd, Putnam Valley, N.Y. 10579.
- LOTZ, HERBERT K(ARL). Psychology. See L-Z Vol, 11th ed, Soc. & Behav. Vols. New position: Chief psychologist, Henry-Stark Counties Spec. Ed. Dist., 69-. Address: County Office Bldg, Cambridge, Ill. 61238.
- LOU, DR. DENNIS W. History. See 5th ed, Dir. Am. Scholars, Vol. I, Hist.
- LOUCH, PROF. ALFRED. Philosophy. See 5th ed, Dir. Am. Scholars, Vol. IV, Philos., Relig., & Law.
- LOUCKS, PROF. ROGER B(ROWN). Psychology. See L-Z Vol, 11th ed, Soc. & Behav. Vols. New information: Emer. prof, 68-, Dept. of Psychology, University of Washington, Seattle, Wash. 98105.
- LOUGH, DR. THOMAS S(TEPHENS). International Relations, Social Psychology. See L-Z Vol, 11th ed, Soc. & Behav. Vols. New information: Dir. Akron Neighborhood Faculty Prog, 69-. Address: Dept. of Sociology, Kent State University, Kent, Ohio 44240.
- LOUNSBURY, DR. JOHN F(REDERICK). Geography. See L-Z Vol, 11th ed, Soc. & Behav. Vols. New position & address: Asst. prof, geog. & chmn, 69-, Dept. of Geography, Arizona State University, Tempe, Ariz. 85281.
- LOURENCO, DR. RUY V(ALENTIM). Medicine, Physiology. See Suppl. V to 11th ed, Phys. & Biol. Vols.
- LOVE, DR. ROBERT F. b. Clinton, Ont, May 4, 34; m. 60; c. 3. MANAGEMENT SCIENCE, OPERATIONS RESEARCH. B.A.Sc., Toronto, 56; M.B.A. Western Ontario, 60; Ph.D.(mgt. sci), Stanford, 65. Res. & develop. engr. Anthes-Imp. Ltd., 56-59; asst. prof. mgt. sci, California, Berkeley, 64-65. Western Ontario, 65-66. OPERS. RES. WISCONSIN, MADISON, 66-68. ASSOC. PROF. 68-. Inst. Mgt. Sci; Opers. Res. Soc. Am. Can. Oper. Res. Soc. Inventory theory; facility location theory; queuing theory; integer programming. Publ: A two-station stochastic inventory model with exact methods of computing optimal policies, Vol. 14, No. 2 & Locating facilities in three-dimensional space by convex programming, Vol. 16, No. 4, Naval Res. Logistics Quart; Steady state solution of the queuing system Ew/M/S with bulk service, Opers. Res., Vol. 18, No. 1. Address: University of Wisconsin Graduate School of Business, Madison, Wis. 53706.
- LOVE, DR. THOMAS M. b. Wisconsin Rapids, Wis., Mar. 3, 39; m. 63; c. 3. ECONOMICS. B.S. Wis. State, Stevens Point, 62; M.S. Wisconsin, Madison, 65, Ph.D.(econ), 68. ASST. PROF. ECON, MASSACHUSETTS, 67-. Lectr. South Col., 68-69. Res. Asn; Asn. Evolutionary Econ. Labor economics & industrial relations. Publ: Municipal employment relations in Wisconsin: administration, Wis. Law Rev., summer 65 & Joint committees: their role in the development of teacher bargaining, Labor Law J., 3/69. Address: 59 Valley View Dr, Amherst, Mass. 01002.
- LOVEJOY, DR. GORDON W(ILLIAMS). Sociology. See L-Z Vol, 11th ed, Soc. & Behav. Vols. New position & address: Prof. 69-, Dept. of Sociology, Greensboro College, Greensboro, N.C. 27402.
- LOVELAND, DR. NATHANE, b. Tex., Jan. 4, 10; m. 34; c. 2. PSYCHOLOGY. B.S., Hopkins, 31; Ph.D., Michigan, 34. Clin. psychologist, Nat. Naval Med. Center, 49-53; clin. psychol. researcher, med. center, Georgetown, 54-56; Walter Reed Hosp., 56-60, suprv. clin. psychologist, Walter Reed Army Inst. Res., 56-60; clin. psychologist, Childrens Hosp., D.C., 60-61; asst. prof. psychol., med. sch. & chief clin. psychologist, Childrens Clin., Puerto Rico, 60-63; head psychol. sect., admt. psychiat. br., Nat. Inst. Ment. Health, 63-65, res. psychologist, 66-67; med. scientist, fam. & psychiat. dept., East Pa. Psychiat. Inst., 68-69; psychotherapist, Marriage & Family Inst., D.C. 69-70. CONSULT. FAMILY THERAPY, PSYCHIAT. INST., 70-. Clin. psychologist, Montgomery County Alcoholic Clin., 55-56; private practice psychother., 70-Consult, U.S. Info. Agency, 59-61; Nat. Inst. Ment. Health, 60-61. Psychol. Asn. Clinical psychology; family therapy. Publ: Mental and emotional changes in epileptic patients on continuous anticonvulsant medication, Neurology; The family Rorschach, Family Process; The relation Rorschach, J. Nervous & Ment. Diseases. Address: 3118 Arizona Ave. N.W., Washington, D.C. 20016.
- LOVELL, DR. C. A. KNOX. Economics. See L-Z Vol, 11th ed, Soc. & Behav. Vols. New position & address: Asst. prof, 68-, Dept. of Economics, University of North Carolina, Chapel Hill, N.C. 27514.
- LOVELL, PROF. MICHAEL CHRISTOPHER. Economics. See L-Z Vol, 11th ed, Soc. & Behav. Vols. New position & address: Prof. 69-, Dept. of Economics, Wesleyan University, Middletown, Conn. 06457.
- LOVINGER, PROF. EDWARD. Psychology. See L-Z Vol, 11th ed, Soc. & Behav. Vols. New position & address: Prof. 68-, University of Nevada at Las Vegas, Las Vegas, Nev. 89109.
- LOWE, DR. GEORGE DEANE, II, b. Columbus, Ga., May 26, 34; m. 59; c. 2. SOCIOLOGY. B.A., Georgia, 58; M.S. Pa. State, 61; Ph.D.(rural sociol), Cornell, 66. ASST. PROF. SOCIOL, GEORGIA, 64-. Vis. asst. prof, Emory, 65; consult, Georgian Clin. Div, Ga. Ment. Health Inst., 67-. Sig.C. U.S.A., 54-56. Sociol. Asn; Rural Sociol. Soc; Soc. Study Social Probs; Pub. Health Asn. Sociology of health and mental health; alcoholism. Publ: Co-auth, The diffusion of two preventive health practices, Inquiry, 6/68. Health care styles in rural and urban areas, Rural Sociol, 9/68 & Day hospital treatment of the alcoholic patient, Quart. J. Studies on Alcohol, 9/68. Address: Dept. of Sociology & Anthropology, University of Georgia, Athens, Ga. 30601.
- LOWE, DR. ROLAND C. b. Providence, R.I., Oct. 18, 31; m. 58; c. 2. PSYCHOLOGY. B.A., Massachusetts, Amherst, 57; Ph.D.(psychol), Clark, 62. Chief psychologist, Childrens Health Coun., Palo Alto, Calif., 64-68; CHMN. PSYCHOL. DEPT., SANTA CLARA, 69-. Psychol. Asn. Developmental study of marriage; communication in engaged couples. Address: Dept. of Psychology, University of Santa Clara, Santa Clara, Calif. 95053.
- LOWENKOPF, DR. MARTIN, b. Perth Amboy, N.J., Mar. 16, 28; m. 57; c. 2. POLITICAL SCIENCE. B.S., Virginia, 49; New Sch. Soc. Res., 51-53; M.S., London, 61, Ph.D.(polit. sci), 69. Partner, Italian Rural Soc., 54-58; res. analyst Africa, U.S. Dept. State, 62-66; sr. res. fel. POLIT. SCI., Univ. Col., Dar es Salaam, 66-67; ASST. PROF., Stanford, 68-69; FRANKLIN & MARSHALL COL., 70-. Political development in less developed nations and United States diplomatic relations with third world, especially Africa. Publ: Uganda, In: Islam in Africa, Van Nostrand, 69; A second look at Liberia,

- 10/66 & Meaning of Arusha, 3/87, Africa Report. Address: Dept. of Government, Franklin and Marshall College, Lancaster, Pa. 17604.
- LOWENKRON, DR. Z(ANE) BARRY, b. New York, N.Y., Nov. 28, 40; m. 66; c. 1. PSYCHOLOGY. B.A. California, Los Angeles, 62; U.S. Pub. Health Serv. fel, 62-63; M.A. 65; Nat. Sci. Found. summer fel, New Mexico, 67; Nat. Defense Ed. Act fel, 67-68; Ph.D. (psychol), 68. ASST. PROF. PSYCHOL. MARQUETTE, 68- Human learning, especially conceptual learning and utilization. Publ: Co-auth, incentive magnitude, task orientation and persistence, Child Development, 64 & Yoked group comparison of selection and reception parameters, Psychol. Reports, 68; auth, Noncontingent trial behavior: a predictor of solution shift behavior, J. Exp. Psychol, 10/69. Address: Dept. of Psychology, Marquette University, Milwaukee, Wis. 53233.
- LOWENSTEIN, J(ACK) G(ERT). Chemical Engineering. See Suppl. VI to 11th ed, Phys. & Biol. Vols.
- LOWENTHAL, DR. ALAN, b. New York, N.Y., Mar. 8, 41; m. 66; c. 2. PSYCHOLOGY. B.A., Hobart Col, 62; M.A., Ohio State, 65; U.S. Pub. Health Serv. fel, 66-67; Ph.D. (psychol), 67. Intern Clin. psychol. med. center, California, San Francisco, 65-66; U.S. Pub. Health Serv. fel, child clin. psychol, Reiss-Davis Child Study Center, 67-69; ASST. PROF. PSYCHOL., CALIF. STATE COL. LONG BEACH, 69- Psychol. Asn. Development theory; learning; personality theory. Address: Dept. of Psychology, California State College at Long Beach, Long Beach, Calif. 90804.
- LOWI, PROF. THEODORE J(AY). Political Sociology. See L-Z Vol. 11th ed, Soc. & Behav. Vols. New position: Pr. Chicago, 69; U.S. Nat. Group politics and individual freedom: modern society and the suppression of choice, Holt, 70. Address: Dept. of Political Science, University of Chicago, Chicago, Ill. 60637.
- LUBALIN, DR. JAMES S(PENCER), b. New York, N.Y., Dec. 18, 42; m. 64. SOCIAL PSYCHOLOGY. B.S. Rensselaer Polytech, 64; M.A., State U., N.Y. Regents Col, fel, Michigan, 66-69; Ph.D. (psychol), 69. Asst. soc. psychol, Michigan, 66-69; lectr. & res. fel, soc. rehs, Harvard, 69-70; ASST. PROF. PSYCHOL., VIRGINIA, 70- Assoc. Psychol. Asn.; assoc. Soc. psychol. Study Social issues. Experimental, field and computer simulation studies of attitudes and opinion processes; explanations of role playing methodologies in social research; content analytic examination of political pressure on the news media. Address: Dept. of Psychology, Gilmer Hall, University of Virginia, Charlottesville, Va. 22903.
- LUBIN, DR. GERALD I, b. Brooklyn, N.Y., Mar. 29, 28; m. 54; c. 4. PSYCHIATRY. B.S. Notre Dame, 49; M.D., Texas, 54. Intern. Queen of Angels Hosp, Los Angeles, Calif, 55; res. psychiatrist, U.S. Vet. Admin. Center, Los Angeles, Univ. California, Los Angeles & Los Angeles Child Guid. Clin, 55-59; psychiatrist in charge, San Pedro Bld, Los Angeles Sch. Guid. Clin, 59-63; fel, dept. child psychiatrist, Mt. Sinai Hosp, Los Angeles, 63-65; asst. prof. psychiat & pediat, med. sch, Southern California, 65-69; DIR. TRAINING CHILD PSYCHOL. & ASST. PROF. DIR. UNIV. AFFILIATED PROJ., CHILDRENS HOSP., LOS ANGELES, 69- Clin. instr., California, Los Angeles, 59-63; supv. of residents in adult psychiat, Los Angeles Harbor Gen. Hosp, 59-63, supv. residents in child psychiat, Los Angeles County Gen. Hosp. & med. center, Southern California, 60-69; chief of prinl. ed., Porterville State Hosp, 63; med. dir., Culver City Guid. Clin, 65. Attend. staff psychiatrist, Cedars Mt. Sinai Med. Center, Childrens Hosp. & Los Angeles County Gen. Hosp. Consult. psychiatrist, Porterville State Hosp, Spastic Childrens Found. Los Angeles County; State Dept. Ment. Hyg. Dept. Voc. Rehab; Los Angeles County Dept. Ment. Hyg. Cert. adult psychiatrist, Am. Bd. Psychiat. & Neurol, 62, child psychiatrist, 68. Am. Med. Asn. Psychiat. Asn.; Orthopsychiat. Asn. Group therapy with adolescent retardates. Address: University Affiliated Project, Children's Hospital of Los Angeles, 4650 Sunset Blvd, Los Angeles, Calif. 90027.
- LUBLIN, DR. IRWIN. Clinical Psychology. See L-Z Vol. 11th ed, Soc. & Behav. Vols. New position: Assoc. prof, 69-, Dept. of Psychology, California State College at Los Angeles, Los Angeles, Calif. 90032.
- LUBMAN, PROF. STANLEY BERNARD. Law, Chinese Studies. See 5th ed, Dir. Am. Scholars, Vol. IV, Philos. Relig. & Law.
- LUCAS, PROF. CHARLES M(ICHAE)EL. Psychology. See L-Z Vol. 11th ed, Soc. & Behav. Vols. New position & address: Prof, 69-, Western Connecticut State College, 181 White St, Danbury, Conn. 06810.
- LUCHSINGER, PROF. VINCENT PETER, b. Dubuque, Iowa, July 1, 29; m. 57; c. 6. MANAGEMENT, BEHAVIORAL SCIENCES. B.A. Loras Col, 49; M.A. Texas Tech, 59; Ph.D. (psychol), 62. Assoc. prof, MGT., TEXAS TECH, 63-66, PROF. & CHM. DEPT, 66- Summer fells, Ford Found, 63 & IBM Found, 64. U.S.A.F., 49-59, Lt. Col. Psychol. Asn.; Acad. Mgt. Inst. Mgt. Sci. Human behavior in organizations; management and administrative systems; decision theory. Address: Dept. of Management, Texas Tech University, Lubbock, Tex. 79409.
- LUCK, PROF. DAVID J(OHNSTON). Marketing. See L-Z Vol. 11th ed, Soc. & Behav. Vols. New information: Also chmn. dept. mkt, 69-, Southern Illinois University, Second Floor University Center, Edwardsville, Ill. 62025.
- LUCK, DR. PATRICK WILLIAM, b. Rome, N.Y., Feb. 11, 35; m. 88; c. 1. SOCIOLOGY. B.A., Vermont, 60; Nat. Defense Ed. Act fel, Connecticut, 61-64, M.A., 63, Ph.D. (sociol), 69. Res. asst. socio-psychol. factors myocardial infarction & instr. sociol, Connecticut, 64-88; ASST. PROF. SOCIOLOG., TEMPLE, 68- Med. res. scientist, East. Pa. Psychiat. Inst., 68. U.S.A. 54-56. Sociol. Soc.; Soc. Study Social Probe. Social determinants of self-esteem; socio-psychological factors in myocardial infarction. Address: 6635 McCullum St, Philadelphia, Pa. 19119.
- LUCOW, DR. WILLIAM H. b. Wainipeg, Man, Oct. 11, 18; m. 40; c. 2. EDUCATIONAL PSYCHOLOGY & STATISTICS. B.A., Manitoba, 46, B.Ed., 48, M.Ed., 51; M.A., Ottawa, 50; Ph.D. (ed. psychol. res. statist), Minnesota, 53. Teacher & prin, pub. schs, Man, 38-56; assoc. prof. ed. psychol, Manitoba, 56-64; chief res, Dominion Bur. Statist, Govt. Can, 64-70; DIR. MGT. INFO. SYST., STATE DEPT. ED., N.J., 70- Prof., Ottawa, 65-70; summers, vis. prof., Kansas, 53, 54 & 55; Alberta, 66. Consult, Syst. Develop. Corp. Calif. 69. Fel. AAAS; Ed. Res. Asn. Educational research; statistical analyses; surveys; experimental studies; computer applications. Publ: The organization and administration of public schools in Canada, 66 & Post-secondary student population survey, 1968-69, 70, Queen's Printer; School marks and professional integrity, McGill J. Ed. 69. Address: Management Information System, State Dept. of Education, 225 W. State St., Trenton, N.J. 08625.
- LUCY, DR. HERBERT EUGENE, b. Meridian, Miss, July 9, 27; m. 48; c. 2. PSYCHOLOGY. B.A., William Carey Col, 50; M.D., Mississippi, 58, fel, 60-61, Ed. (counseling, psychol), 62. Instr. pub. schs, 50-60; instr. ed. & counselor, Southern Mississippi, 61-62; assoc. prof. ed. & dir. counseling & testing, Delta State Col, 62-66; ASSOC. PROF. PSYCHOL. & DIR. STUDENT COUNSELING, SOUTHERN MISSISSIPPI, 66. Chmn. regional screening com. spec. ed, Miss State Dept. Ed, 63-66, consult. div. voc. rehab, summer 67. Psychol. Asn. Personnel & Guid. Asn. Nat. Voc. Guid. Asn. Factors related to academic success and survival in higher education; descriptive research with various college samples; personality assessment; group counseling theory; psychoactive drugs and influence on behavior. Address: Box 75, University of Southern Mississippi, Southern Station, Hattiesburg, Miss. 39401.
- LUDWIG, DR. EDWARD G. Medical Sociology, Social Gerontology. See L-Z Vol. 11th ed, Soc. & Behav. Vols. New position & address: Assoc. prof. & chmn., Dept. of Sociology, State University of New York at Fredonia, Fredonia, N.Y. 14063.
- LUEBBERT, LT. COL. WILLIAM FREDERICK, U.S.A. Computer Science. See Suppl. V to 11th ed, Phys. & Biol. Vols.
- LUEBKE, DEAN MARTIN FREDERICK. Educational Philosophy, Psychology. See 5th ed, Dir. Am. Scholars, Vol. IV, Philos. Relig. & Law.
- LUESCHEN, DR. G(UENTHER), b. Oldenburg, Germany, Jan. 21, 30; m. 58; c. 2. SOCIOLOGY. Ph.D. (sociol), Graz, 59; M.A. Bonn, 60; Michigan, 60-61. Res. & instr., 61-65; dozent, Ed. Col. Bremen, 65, ASSOC. PROF., 66; ILLINOIS, URBANA, 66- Gen. secy, int. com. sociol. sport, Int. Sociol. Asn, 64-; vis. lectr., Illinois, 65. Sociol. Asn. Sociology of sport and family; comparative sociology; general theory and social conflict; sociology in Europe. Publ: Jugend in der Familie, Juventa, Munich, 65; Kleingruppenforschung und Gruppe im Sport, Westdeutscher, 66; The sociology of sport, Mouton, Paris, 68. Address: Dept. of Sociology, University of Illinois, Urbana, Ill. 61801.
- LUETGERT, DR. M(ARY) J(ANE), b. Oak Park, Ill., Dec. 8, 39; m. 67. PSYCHOLOGY. Mus. B., Oberlin Conserv. Music, 61; univ. fel. Indiana, 61-62. Ph.D. (psychol), 67; A.B., Oberlin Col, 62; U.S. Pub. Health Serv. fells, Indiana, 64-65 & Northwestern, 66-67. ASST. PROF. PSYCHOL., ILLINOIS, CHICAGO CIRCLE, 67- AAAS; Psychol. Asn. Human learning theory and applications. Address: Dept. of Psychology, University of Illinois at Chicago Circle, Chicago, Ill. 60680.
- LUKAS, DR. PAUL ANDRE, b. Indonesia, June 18, 40; m. 69. MANAGEMENT SCIENCE. M.B.A., Pittsburgh, 64, Ph.D. (mgt. sci), 69. Instr. MGT. SCI., Pittsburgh, 66-68; ASST. PROF., HOUSTON, 69- Inst. Mgt. Sci. Critical path method; improving project duration in network planning. Publ: Simulation of PERT networks to evaluate selected distributions using experimental data, Int. Meeting Int. Mgt. Sci., 7/70; co-auth. Personal values across cultures, J. Soc. Psychol. (in press). Address: Dept. of Management Science, College of Business, University of Houston, Houston, Tex. 77004.
- LUKENS, PROF. SAMUEL J(ESSE). Economics, Business Administration. See L-Z Vol. 11th ed, Soc. & Behav. Vols. Change of address: 2305 East Dr., Mount Pleasant, Mich. 48858.
- LUMPKIN, DR. R(OBERT) PIERCE. Economics. See L-Z Vol. 11th ed, Soc. & Behav. Vols. New position: Sr. v. pres. & economist, Va. Commonwealth Bankshares, Inc., 69- Address: 8414 Yolanda Rd, Richmond, Va. 23229.
- LUNARDINI, DR. VIRGIL JOSEPH, JR. Mechanical Engineering, Heat Transfer. See Suppl. V & VI to 11th ed, Phys. & Biol. Vols.
- LUNCEFORD, PROF. BILL E(UGENE), b. Lanett, Ala., Apr. 30, 29; m. 53; c. 3. GUIDANCE, COUNSELING. A.B., Samford, 52; B.D., South Baptist Theol. Sem, 55, Th.M., 56; M.A., Middle Tenn. State, 59; fel, Auburn, 59-61, Ed.D. (guid. counseling), 61. PROF. ED. & PSYCHOL., SAMFORD, 61- DIR. TESTING, 65-, asst. to dean students, 61-64, dir. student personnel serv., 64-65 & interim regisr., 65-67. Nat. Sci. Found. fel, contemporary psychol, Beloit Col, summer 67. Personnel & Guid. Asn. Student adjustment to college. Address: School of Education, Samford University, Birmingham, Ala. 35209.
- LUNDAY, DR. AUDREY MOSTOLLER, b. Deer River, Minn, Sept. 2, 36; m. 67; c. 2. SPEECH PATHOLOGY. B.Sc., St. Cloud State Col, 58; M.A., Ohio State, 58, Ph.D. (speech sci), 67. Speech therapist in charge, Royal Victoria Hosp, Montreal, Que, 59-63; asst. dir., McGill Sch. Human Communication Disorders, Montreal, 63-65; COORDINATOR SPEECH THERAPY SERV., DIV. SPEC. ED., MINOT STATE COL, 67- Speech & Hearing Asn.; Comm. Excep. Children. Laryngeal and vocal disorders; language patterns of the culturally deprived; incidence and location of specific organic abnormalities affecting speech. Address: Speech & Hearing Clinic, Minot State College, Minot, N.Dak. 58701.
- LUNDBERG, DR. CRAIG C(ARL). Industrial Sociology. See L-Z Vol. 11th ed, Soc. & Behav. Vols. New position & address: Assoc. prof. behav. sci. & admin., 69-, School of Business Administration, Southern Methodist University, Dallas, Tex. 75222.

- LUNDBERG, PROF. DONALD E(MIL). Business Management. See L-Z Vol, 11th ed, Soc. & Behav. Vols. New information: Also head, 69-, Dept. of Hotel & Restaurant Administration, University of Massachusetts, Amherst, Mass. 01002.
- LUNDIN, DR. WILLIAM H. Psychology. See L-Z Vol, 11th ed, Soc. & Behav. Vols. New position: Pres, Mobius, Inc, 69- Address: R.R. 3, Whitewater, Wis. 53190.
- LUNDGAARD, DR. HENRY P(EDER). Anthropology. See L-Z Vol, 11th ed, Soc. & Behav. Vols. New position & address: Fel. law & anthrop, 69-, Law School, Harvard University, Cambridge, Mass. 02138.
- LUNDESTEDT, PROF. SVEN. Psychology. See L-Z Vol, 11th ed, Soc. & Behav. Vols. New position & address: Prof. 68-, College of Administrative Science, Ohio State University, 1775 S. College Rd, Columbus, Ohio 43210.
- LUOTO, DR. KENNETH. Psychology. See L-Z Vol, 11th ed, Soc. & Behav. Vols. New information: Mem. staff, St. Lukes Hosp. & St. Mary's Hill Hosp, Milwaukee. Address: 2835 Monterey Blvd, Brookfield, Wis. 53005.
- LUPARELLO, DR. THOMAS J. b. Jamestown, N.Y., Feb. 26, 31; m. 53; c. 2. PSYCHIATRY. B.A., Buffalo, 52, M.D. 56. Intern, E.J. Meyer Mem. Hosp., Buffalo, N.Y. 56-57; fel. psychiat, Inst. Pa. Hosp, Phila. 57-59; base psychiatrist & dir. aerospace med, Loring Air Force Base, Maine, 59-61; res. PSYCHIAT, Functional Clin. Hosp., Univ. Pennsylvania, 61-62, instr, Univ. 62-63; ASST. PROF., med. col., Cornell, 63-66; STATE UNIV. N.Y. DOWN-STATE MED. CENTER, 66- Nat. Inst. Allergy & Infectious Diseases spec. fel., Univ. Pennsylvania, 62-63; Nat. Inst. Ment. Health career develop. awards, med. col., Cornell, 63-66 & State Univ. N.Y. Downstate Med. Center, 66-71. U.S.A.F. 59-61, Capt. Psychosom. Soc.; Psychiat. Asn. Psychosomatic disorders—bronchial asthma and peptic ulcer. Publ: Co-auth, The measurement of respiration, In: Methods in psychophysiology, Williams & Wilkins, 67. The role of the central nervous system in experimental asthma, In: Research in asthma and other allergic disorders, Grune, (in press) & Influences of suggestion on airway reactivity in asthmatic subjects, Psychosom. Med. (in press). Address: Dept. of Psychiatry, State University of New York Downstate Medical Center, 450 Clarkson Ave, Brooklyn, N.Y. 11203.
- LUPPI, DR. EUGEN, b. Remscheid, Germany, July 5, 28; m. 55; c. 3. SOCIOLOGY. B.A., McPherson Col., 55; M.A., Wisconsin, 59, Ph.D.(sociol), 67. Instr. sociol., Wisconsin, 60-61; dir. soc. res, Div. Inst. Econ. & Soc. Res., Frankfurt, Germany, 62-66; asst. prof. SOCIOL., Kansas State, 67-68, ASSOC. PROF., 68-69; CALGARY, 69- Nat. Sci. Found. grant, 69- Assoc. ed. int. dept. J. Marriage & Family, 67- Am. Sociol. Asn.; Can. Sociol. & Anthropol. Asn.; European Soc. Rural Sociol.; German Sociol. Soc. Application of survey approach to problems in cross-national studies; political and comparative sociology; sociology of the family; theory construction. Publ: Contemporary authority patterns in the West German family: a study in cross-national validation, J. Marriage & Family, 2/69; Theoretical and methodological problems in cross-national research, European J. Rural Sociol., Vol. 9, No. 2; Soziologische bedeutung der ethnalyse, Politische Psychologie, Vol. 8, No. 1. Address: Dept. of Sociology, University of Calgary, Calgary 44, Alta, Can.
- LURIE, DR. EDWARD. American History, History of Science. See 5th ed, Dir. Am. Scholars, Vol. I, Hist.
- LUSZKI, LT. COL. WALTER A(LOISE), U.S.A.(RET). Psychology. See L-Z Vol, 11th ed, Soc. & Behav. Vols. New information: Private clin. & ed. psychologist, 69- Address: 165 Maple St, Charleston, S.C. 29403.
- LUSZTIG, DR. PETER ALFRED. Business Administration, Finance. See L-Z Vol, 11th ed, Soc. & Behav. Vols. New position: Prof. & chmn, 69-, Division of Finance, University of British Columbia, Vancouver, B.C., Can.
- LUTHANS, DR. FREDDIE, b. Clinton, Iowa, June 28, 39; m. 63; c. 2. BEHAVIORAL SCIENCE, MANAGEMENT. B.A., Iowa, 61, M.B.A., 62, Found. Econ. Ed. fel. 64, Ph.D.(mgt, soc. psychol), 65; Columbia, 66-67. Instr. MGT, Iowa, 63-65; ASSOC. PROF., NEBRASKA, LINCOLN, 66-, ASST. DEAN GRAD. PROGS, 69- Consult, Off. Econ. Opportunity, 67-, U.S. Army Mgt. Eng. Training Agency & Nebr. State Ment. Health Syst, 68- U.S.A., 65-67, Capt. Acad. Mgt. Behavioral science aspects of management theory and practice. Publ: Faculty promotion process, Bur. Bus. Res., Univ. Iowa, 67; Cases, readings, and self review for principles of management, Wiley, 69; co-auth, Emerging concepts in management, Macmillan, 69. Address: College of Business, University of Nebraska, Lincoln, Neb. 68508.
- LUTIN, DAVID L(OUIS). Urban Development & Economics. See L-Z Vol, 11th ed, Soc. & Behav. Vols. Change of address: High Ridge Rd, Pound Ridge, N.Y. 10576.
- LUTTRELL, DR. JACK S(HIEFLER). Psychology, Counseling. See L-Z Vol, 11th ed, Soc. & Behav. Vols. New position: Independent personnel consult, 69- Address: 316 Christina St. N, Sarnia, Ont., Can.
- LUX, DR. WILLIAM ROBERT. Contemporary Latin American History, Political Science. See 5th ed, Dir. Am. Scholars, Vol. I, Hist.
- LUX-WURM, DR. PIERRE. Political Science. See L-Z Vol, 11th ed, Soc. & Behav. Vols. Change of address: 26 Oakwood Ave, White Plains, N.Y. 10605.
- LUZBETAK, LOUIS (JOSEPH), S.V.D. Cultural Anthropology. See L-Z Vol, 11th ed, Soc. & Behav. Vols. New information: Exec. dir., Center for Appl. Res. in the Apostolate, Address: 1025 Michigan Ave. N.E., Washington, D.C. 20017.
- LYCAN, PROF. GILBERT L(ESTER). Political Science. See L-Z Vol, 11th ed, Soc. & Behav. Vols. New information: No longer head dept. hist. & polit. sci., Stetson, 68- New publ: Twelve major turning points in American History, Everett Edwards, 69. Address: Dept. of History & Political Science, Stetson University, Deland, Fla. 32720.
- LYMAN, DR. ELIZABETH L. Sociology. See L-Z Vol, 11th ed, Soc. & Behav. Vols. Change of address: 54 W. 16th St, New York, N.Y. 10011.
- LYNCH, DR. DENIS J. b. Highland Park, Mich., Nov. 21, 41; m. 63; c. 3. PSYCHOLOGY. A.B., Detroit, 63; M.S., Case Western Reserve, 65, Ph.D. (psychol), 67. Fel. clin. psychol., Devereux Found., Devon, Pa. 67-68; ASST. PROF. PSYCHOL., TOLEDO, 68- Psychol. Asn. Developmental aspects of personality change, both in childhood and in old age. Publ: Future time perspective and impulsivity in old age, J. Genetic Psychol. (in press); co-auth, Effects of model reinforcement on emotionally disturbed adolescents boys, J. Clin. Psychol. (in press). Address: Dept. of Psychology, University of Toledo, Toledo, Ohio 43606.
- LYNCH, DR. MERVIN DEAN. Communications. See L-Z Vol, 11th ed, Soc. & Behav. Vols. Change of address: 159 Maple St, Lexington, Mass. 02173.
- LYNSKEY, DR. JAMES J. b. Atlantic City, N.J., Jan. 3, 30; m. c. 2. POLITICAL SCIENCE. B.S., Maryland, 56; Ph.D.(polit. sci.), Minnesota, 66. ASST. PROF. POLIT. SCI., HAMLIN, 65- U.S.N., 47-51. Polit. Sci. Asn. European politics. Publ: Backbench influence in the House of Commons, West. Polit. Quart., 6/70. Address: 1453 Hythe St, St. Paul, Minn. 55108.
- LYONS, DR. DANIEL DENNIS. Philosophy. See 5th ed, Dir. Am. Scholars, Vol. IV, Philos., Relig. & Law.
- LYONS, DR. WILLIAM CLAYPOOL. Engineering Mechanics, Applied Mathematics. See Suppl. VI to 11th ed, Phys. & Biol. Vols.
- LYSAK, LT. COL. WILLIAM, U.S.A. Psychology. See L-Z Vol, 11th ed, Soc. & Behav. Vols. New position & address: Psychologist, 69-, Rohrer, Hibler & Replogie, Plaza 600 Bldg, Suite 504, 600 Stewart St, Seattle, Wash. 98101.
- LYTLE, DR. SCOTT H(HARRISON). Modern European History. See 5th ed, Dir. Am. Scholars, Vol. I, Hist.
- LYTTON, HENRY D(UDLEY). Economics, Public Administration. See L-Z Vol, 11th ed, Soc. & Behav. Vols. New Publ: Prospects for export of manufactures from Lebanon, UN Conf. Trade & Development, 69. Address: 2100 Massachusetts Ave. N.W., Washington, D.C. 20008.

M

- MA, DR. JAMES (CHAOSENG), b. Foochow, China, Oct. 25, 27; U.S. citizen; m. 62; c. 2. FINANCE. B.A., Taiwan, 50; M.B.A., Tex. Tech. Col., 54; Ph.D. (bus. admin), Texas, 60. Asst. prof. BUS, Howard Payne Col., 59-61; assoc. prof., West Texas State, 61-63; asst. prof., SAN JOSE STATE COL., 63-67, ASSOC. PROF., 67- Calif. State Div. Real Estate's Real Estate Ed. Res. & Recovery Fund res. grant, 65-66; Fulbright lect., 68-69. Finance Asn. Bank mortgage activities in the San Francisco Bay area; dividend policies of a selected group of California companies; a profile of the mutual fund manager. Publ: Current attitudes in recruiting practices, J. Col. Placement, 4-5/69. Address: 309 Blossom Valley Dr, Los Gatos, Calif. 95030.
- MAAG, DR. CLINTON H. Psychology. See L-Z Vol, 11th ed, Soc. & Behav. Vols. Change of address: 5232 Cherokee Ave, Alexandria, Va. 22312.
- MAAG, DR. OTTO EUGENE, b. Vona, Colo, Sept. 9, 25; m. 51; c. 5. SPEECH PATHOLOGY, AUDIOLOGY. B.A., Colo. State Col., 49, M.A., 52; Colorado, 54-55; Ph.D.(speech path & audiol), Southern Illinois, 56. Instr. high sch., S.Dak., 49-51; jr.-sr., high sch., Nebr., 52-54; speech clinician, pub. sch., Colo., 55-61; asst. prof. speech path., Adams State Col., 61-63; WESTERN ILLINOIS, 63-66; ASSOC. PROF. SPEECH PATH. & DIR. SPEECH & HEARING CENTER, 66- U.S.N.R. 44-46 & 51-52. Speech & Hearing Asn. Address: R.R. 1, W. Adams Rd, Macomb, Ill. 61455.
- MABEY, DR. MELVIN P(ACK). Political Science. See L-Z Vol, 11th ed, Soc. & Behav. Vols. New information: Also coordinator of European Studies prog, 68-, Dept. of Political Science, Brigham Young University, 274 Maeser Bldg, Provo, Utah 84601.
- MACDOO, HAROLD L(EROY). Psychology. See L-Z Vol, 11th ed, Soc. & Behav. Vols. New information: Retired, 68. Address: 3433 S. Leisure World Blvd, Silver Spring, Md. 20906.
- MCALLISTER, DR. DOROTHY F(LESEY). Psychology. See L-Z Vol, 11th ed, Soc. & Behav. Vols. New position & address: Res., Assoc. 69-, Dept. of Psychology, Northern Illinois University, De Kalb, Ill. 60115.
- MCALLISTER, PROF. WALLACE R(ONALD). Psychology. See L-Z Vol, 11th ed, Soc. & Behav. Vols. New position & address: Prof., 69-, Dept. of Psychology, Northern Illinois University, De Kalb, Ill. 60115.
- MCANDREW, SISTER M. BERNARDINA. Psychology. See L-Z Vol, 11th ed, Soc. & Behav. Vols. New information: Also dean, 69-, Graduate School of Arts & Sciences, Marywood College, Scranton, Pa. 18509.
- MCARTHUR, DR. ROBERT E. b. Jackson, Miss., Aug. 5, 38. POLITICAL SCIENCE. B.A., Millsaps Col., 60; univ. scholar, Vanderbilt, 62-63, teaching fel., 63-65, M.A., 64, chancellor's fel., 65-66, Ph.D.(polit. sci.), 67. Lectr. POLIT. SCI., Vassar Col., 66-67, asst. prof., 67-80; ASSOC. PROF., MISSISSIPPI, 70- Twentieth Century Fund grant-prof. agencies prog. off. manager, City New York, summer 67. Mem. bd. dir., univ. fel. prog., U.S. Civil Serv. Cmn., N.Y., Region, 69-70. U.S.A.R., 61-67. Polit. Sci. Asn. Urban politics, especially urban-suburban relationships and metropolitan governmental reorganization. Publ: Community research and the computer, Vassar Alumnae Mag, 4/67; One-man-one-vote and county government: rural, urban and metropolitan implications, George Wash. Law Rev., 5/68. Address: University of Mississippi, Box 475, University, Miss. 38677.

- MACAULAY, PROF. STEWART. Law. See 5th ed, Dir. Am. Scholars, Vol. IV, Philos, Relig. & Law.
- McBATH, PROF. JAMES HARVEY. Speech. See 5th ed, Dir. Am. Scholars, Vol. II, Eng, Speech & Drama.
- McBRIDE, DR. DON W., b. Washington, D.C. Sept. 20, 24; m. 47; c. 5. CLINICAL PSYCHOLOGY. A.B., Brigham Young, 47; Ph.D.(cond. psychol), Mich. State, 52. Dir., Latter-day Saints Inst. Relig. Dev. 53-55; asst. prof. ed. psychol, Park Col, 55-56; supvr. testing & pub. rels, Granite Sch. Dist., Salt Lake City, Utah, 56-58; clin. asst. prof. psychiat. col. med, Utah, 58-61; psychologist, Polene Neuropsychiat. Center, Wichita, Kans. 61-63; head psychol. dept., Inst. Logopedics, 63-66; co-dir., HIP Proj., Larned State Hosp., 66-67; asst. supv. Read. Z. Center, Ill. State Dept. Mental Health, 67-68; ADMINSTR., FAIRVIEW HOSP., CHICAGO, 68-; asst. prof. res., Wichita State Univ., 63-66. U.S.M.C. 43-46. Psychol. Asn. Psychiatric hospital administration; mental retardation. Address: 1665 Orchard Lane, Northfield, Ill. 60093.
- McBRIDE, DR. JAMES HUBERT. Political Science. See L-Z Vol. 11th ed, Soc. & Behav. Vols. Change of address: 7516 Forrester Lane, Manassas, Va. 22110.
- McBRIDE, DR. MICHAEL JOHN, b. Jersey City, N.J. Nov. 2, 45; m. 68. POLITICAL SCIENCE. B.Sc., Purdue, 66. M.A., 67. David Ross fel. 68 & 69. Ph.D.(polit. sci.), 69. Asst. POLIT. SCI., Purdue, 66-68, instr. 68-69; ASST. PROF., WHITTIER COL., 69-; Polit. Sci. Asn.; Acad. Polit. & Soc. Sci. Communist party and bureaucratic elites in the Soviet Union and Eastern Europe. Publ. Co-auth. The Soviet Central Committee: an elite analysis, Am. Polit. Sci. Rev., 12/68 & In: The behavioral revolution and communist studies, Free Press, (in press). Address: 11334 E. Floral Dr., Whittier, Calif. 90601.
- McBRIDE, DR. TRAVIS, b. Hedley, Tex. Jan. 15, 27; m. 50; c. 2. GOVERNMENT. B.S., West Texas State, 57, M.A., 58; Ph.D.(govt), Oklahoma, 67. Instr. govt, West Texas State, 57-58; teaching asst., Texas, Austin, 58-59; instr. soc. sci., N. Mex. Mil. Inst., 59; asst. prof. GOVT., WEST TEXAS STATE, 59-66. ASST. PROF., 66-; U.S.A.F., 51-54. Polit. Sci. Asn. Regulation theory: Latin America, especially Peru. Address: Dept. of Government, West Texas State University, Canyon, Tex. 79015.
- McBROOM, DR. WILLIAM H., b. Findlay, Ohio, June 24, 37; m. 60; c. 3. SOCIOLOGY. B.Sc., Ohio State, 60, M.A., 62. Ph.D.(sociol), 68. Res. asst. psychopharmacol., Columbus Psychiat. Inst., 60-68; 56-60; ment. illness, Inst. Study Center, Ohio State Univ., 60-62; statistician, Ohio State Bur. Unemployment Compensation, 62-63; res. analyst, Ohio Rehab. Hosp., 63-68; ASST. PROF. SOCIOLOGY, MONTANA, 68-; Univ. Montana summer grant, 70. Consult. East. Mont. Community Health Assn., 68-; U.S.A., 55-57. Sociol. Asn. illness behavior and social organization of health care. Publ. Co-auth. Clinical and self evaluations of employment prospects among cardiovascular disease victims, Int. J. Indust. Med. & Surg., 9/69. Address: Dept. of Sociology, University of Montana, Missoula, Mont. 59801.
- McCALL, DR. JOHN B., b. Sweetwater, Tex. Aug. 22, 37; m. 64; c. 3. ECONOMICS. B.S., Tex. Tech. Col., 60, M.B.A., 61. Ph.D.(econ), Oklahoma, 68. Asst. prof. ECON., TEXAS, ARLINGTON, 64-69, ASSOC. PROF., 69-; Consult. Am. Gas J., 67-; U.S.N., 56-58. Transportation; money and banking; history of economic thought. Publ. Co-auth. Iron horses of the Santa Fe Trail, Southwest R.R. Hist. Soc., 65. Address: Dept. of Economics, University of Texas at Arlington, Arlington, Tex. 76010.
- McCALL, DR. ROBERT B(OOTH). Developmental Psychology. See L-Z Vol. 11th ed, Soc. & Behav. Vols. New position: Assoc. prof. psychol, Antioch Col., 68-; sr. res. investr., Fels Res. Inst., 68-; Address: Fels Research Institute, Yellow Springs, Ohio 45387.
- McCALLA, DR. ALEX(ANDER) F(REDERICK). Economics. See L-Z Vol. 11th ed, Soc. & Behav. Vols. New position: Assoc. prof., Dept. of Agricultural Economics, University of California, Davis, Calif. 95616.
- McCALLUM, PROF. FLOYD F., b. Lapeer Co., Mich. Feb. 13, 20; m. 39; c. 3. PSYCHOLOGY, COUNSELING. A.B., Greenville Col., 47, Th.B., Owosso Col., 48; M.A., Mich. State, 51, Ed.D., 55. Prof. psychol. ed. & philos., Owosso Col., 47-48; dir. pub. rels., Greenville Col., 48-49; prof. psychol. ed. & philos., dean, registr. & prin., Spring Arbor Col., 49-53; prof. psychol. & prin., Owosso Col., 53-54; prof. psychol., Spring Arbor Col., 54-55; dean & p.d. psychol. ed. & philos., Colo. Bible Col., 55-56; sr. instr. psychol., Gen. Motors Inst., 56-57; prof. psychol., dean & exec. asst., Owosso Col., 57-67; PROF. PSYCHOL., HOUGHTON COL., 67-; CHMN. DIV. PSYCHOL. & ED., 70- & 67-69. Consult. Values Workshop, summers 66-67. Counseling services; education; philosophy. Address: Dept. of Psychology, Houghton College, Houghton, N.Y. 14744.
- McCAMANT, DR. JOHN FREDERICK, b. Billings, Mont. Oct. 15, 33; m. 55; c. 3. POLITICAL SCIENCE, ECONOMICS. B.A., Carleton Col., 55; M.A., Columbia, 57; Ph.D.(polit. sci., econ), Washington (Seattle), 65. ASST. PROF. INT. RELS., DENVER, 65-; Vis. prof., Valle, 66-68. Polit. Sci. Asn.; Latin Am. Studies Assn. Comparative analysis of Latin American politics; public policy and elections in Colombia. Publ. Development assistance in Latin America, Praeger, 68; co-auth. Measuring political and social requirements for system stability in Latin America, Am. Polit. Sci. Rev., 12/68; auth. Development assistance in the political process, Sociol. Rev. Monogr., 69. Address: University of Denver Graduate School of International Studies, Denver, Colo. 80210.
- McCAMLEY, DR. FRANCIS PERLE, b. Omaha, Nebr., Aug. 6, 40. ECONOMICS. B.Sc., Nebraska, 61; Ph.D.(econ), Iowa State, 67. ASST. PROF. AGR. ECON., OKLA. STATE, 67-; Sig. C., U.S.A., 62-64, 1st Lt. Economet. Soc. Statist. Asn.; Agr. Econ. Asn.; Econ. Asn. Econometric region & economics; economics of educational institutions. Address: Dept. of Agricultural Economics, Oklahoma State University, Stillwater, Okla. 74074.
- McCANDLESS, DEAN DAVID A(LEXANDER). Criminology, Administration. See L-Z Vol. 11th ed, Soc. & Behav. Vols. New information: Also dean, 69-; School of Police Administration, University of Louisville, Louisville, Ky. 40208.
- McCANN, PROF. JAMES R(AYMOND). Psychology. See L-Z Vol. 11th ed, Soc. & Behav. Vols. New information: Assoc. dir. 69-; Child Development Center, University of Tennessee Medical School, 711 Jefferson Ave., Memphis, Tenn. 38105.
- McCARL, DR. HENRY NEWTON, b. Baltimore, Md., Jan. 24, 41; m. 63; c. 2. MINERAL ECONOMICS, GEOLOGY. B.S., Mass. Inst. Tech., 62; M.S., Pa. State, 64, Ph.D.(mineral econ), 69. Mineral specialist, U.S. Bur. Mines, 65-66; mkt. res. analyst, Vulcan Mat. Co., 66-68; sr. analyst mkt. res., 69; ASST. PROF. ECON. & GEOL. UNIV. ALABAMA, 69-; Inst. Min. Metall. & Petrol. Eng. Econ. Asn.; Mkt' Asn. Economic and marketing studies of various non-metallic mineral industries; regional economics; resource economics; geological research on clays, stone, sand and gravel. Publ. The lightweight aggregate industry in New England, Fed. Reserve Bank of Boston Res. Report, 63; co-auth. Cement foundation for an expanding economy, Tech. Rev., 12/67 & Structural mineral aggregates part of building blocks of industry-industrial minerals in 1968, Mining Eng., 1/69. Address: 1833 Mission Rd., Birmingham, Ala. 35216.
- McCARTER, PROF. BOBBY L(QUELLA). Sociology. See L-Z Vol. 11th ed, Soc. & Behav. Vols. New position & address: Prof. 68-; Social Studies Division, Stephens College, Box 2436, Columbia, Mo. 65201.
- McCARTHY, DR. THOMAS. Health Science Administration. See L-Z Vol. 11th ed, Soc. & Behav. Vols. Change of address: National Center Health Services Research & Development, Health Service & Mental Health Administration, Parklawn Bldg., Room 15-05, 5600 Fishers Lane, Rockville, Md. 20852.
- McCARTHY, DR. THOMAS NOBLE. Psychology. See L-Z Vol. 11th ed, Soc. & Behav. Vols. New information: Also v-pres. student affairs, La Salle Col., 70-; Address: 205 Roberts Ave., Glenside, Pa. 19038.
- McCARTIN, ROSEMARIE. Psychology, Education. See L-Z Vol. 11th ed, Soc. & Behav. Vols. New position & address: Assoc. prof. educ. psychol., 69-; University of Washington, 318 Miller, Seattle, Wash. 98105.
- MCCLARY, PROF. ROBERT A(LTWIG). Psychology. See L-Z Vol. 11th ed, Soc. & Behav. Vols. Change of address: Dept. of Psychology, University of Chicago, Chicago, Ill. 60637.
- McCLELLAN, DR. JAMES PAUL. Political Science. See L-Z Vol. 11th ed, Soc. & Behav. Vols. New position & address: Assoc. prof. polit. sci., 69-; Hampden-Sydney College, Box 52, Hampden-Sydney, Va. 23943.
- McCLELLAND, PROF. DAVID FRANTZ, b. Grove City, Pa., Apr. 19, 25. POLITICAL SCIENCE. A.B., Grove City Col., 45; M.A., Westminster Col., 53; Pa. State, 55; Vermont, 56-57; summer John Hay Whitney fel., Williams Col., 58; Pittsburgh schor., India, 59; Pittsburgh, 63-70; Chmn. dept. sci., high sch., Grove City, Pa., 46-62; instr. POLIT. SCI., GROVE CITY COL., 62-65, asst. prof. 65-68, ASSOC. PROF., 68-; George Washington Medal, Freedoms Found., 59. U.S.M.C., 42-43. Polit. Sci. Asn.; Acad. Polit. & Soc. Sci. Constitutional theory, especially the American Constitution and Declaration of Independence. Address: Box 24, Crawford Hall, Grove City College, Grove City, Pa. 16127.
- McCLELLAND, DR. EDWARD L., b. Rockford, Ill., July 22, 36. ECONOMICS. B.S.E.E., Purdue, 58; M.B.A., Florida, 65, Ph.D.(agr. econ), 69. RES. ECONOMIST, FED. RESERVE BANK DALLAS, 69-; U.S.A.F., 58-62, 1st Lt. Agr. Econ. Asn.; Econ. Asn. Advertising budget allocations; economic allocation theory; operations research. Address: Federal Reserve Bank of Dallas, Dallas, Tex. 75222.
- McCLELLAND, DR. WILLIAM AGNEW. Psychology. See L-Z Vol. 11th ed, Soc. & Behav. Vols. New position: Exec. v-pres., 69-; HumRRO, 300 N. Washington St., Alexandria, Va. 22314.
- McCLENDON, PROF. PAUL I. Communications. See 5th ed, Dir. Am. Scholars, Vol. II, Eng, Speech & Drama.
- McCLURE, DR. GEORGE T. Philosophy. See 5th ed, Dir. Am. Scholars, Vol. IV, Philos, Relig. & Law.
- McCLURE, DR. JAMES NATHANIEL. Psychiatry. See Suppl. V to 11th ed, Phys. & Biol. Vols.
- MACCOBY, DR. MICHAEL. Social Psychology. See L-Z Vol. 11th ed, Soc. & Behav. Vols. New position & address: Vis. fel. inst. policy studies & res. assoc. prog. tech. & soc. 69-; Harvard University, 1520 New Hampshire Ave. N.W., Washington, D.C. 20036.
- McCOMBS, DR. MAXWELL E. Mass Communication. See L-Z Vol. 11th ed, Soc. & Behav. Vols. New position: Assoc. prof., 69-; Dept. of Journalism, University of North Carolina, Chapel Hill, N.C. 27514.
- McCONNELL, PROF. GRANT. Political Science. See L-Z Vol. 11th ed, Soc. & Behav. Vols. New position & address: Prof. 69-; Dept. of Politics, University of California, Santa Cruz, Calif. 95060.
- McCONNELL, DR. SHIRLEY. Clinical Psychology. See L-Z Vol. 11th ed, Soc. & Behav. Vols. New position: Clin. psychologist, Vanguard Middle Sch., 69-; Address: Beaver Hill Apts. N., Jenkintown, Pa. 19046.
- McCONVILLE, DR. BRIAN J., b. Queenstown, N.Z., May 11, 33; m. 60; c. 3. CHILD PSYCHIATRY. M.B., Ch.B.(med), New Zealand, 57. Lectr., QUEEN'S (ONT), 65-67, ASST. PROF. CHILD PSYCHIAT., 67-; PEDIAT., 69-; DIR.

- REGIONAL CHILDRENS CENTRE, 67-** Psychiat. consult, Hamilton County Diag. Center, Cincinnati, 64-65; Sunnyside Childrens Center, Kingston, 65-; adolescent unit, Kingston Psychiat. Hosp., 65-; Childrens Aid Soc, Kingston, 66-; mem. task force on children serv, Ont., 68-; chmn. exec. acct. child psychiatry, Ont., 69-70. Cert. Royal Col. Physicians & Surgeons Can., 66; mem. Am. & N.Z. Col. Physicians, 67. Can. Med. Assn. Soc. Psychophysiol. Res. Can. Psychiat. Assn; Australian & N.Z. Col. Psychiat. The predictive measurement of behavioral changes in children inpatient units; phenomena of childhood depression; prediction of illness after depression. Address: 67 Montgomery Blvd, Kingston, Ont, Can.
- McCORD, DR. JOAN F.** b. New York, N.Y., Aug. 4, 30; m. 51; c. 2. **SOCIOLOGY.** Ed.M., Harvard, 56; Josiah Royce fel. Radcliffe Col. 57; Stanford Wilson fel., Stanford, 62-63, M.A., 66, Nat. Inst. Ment. Health fel., 66-68, Ph.D.(sociol.), 68. Teacher, pub. schs, Concord, Mass., 52-55; co-dir., Stanford Personality Development. Res. Proj. Nat. Inst. Ment. Health, 58-62; lectr. social, Stanford, 62; consult, U.S. Army Med. Res. & Develop. Command Proj., 64-65; ASST. PROF. SOCIOLOGY, DREXEL, 68- Social. Asn. Deviance; personality development; values and transmission of values. Publ: Co-auth, Origins of alcoholism, Stanford, Univ, 60, The psychopath, Van Nostrand, 64 & Conscience orientation and dimensions of personality, Behav. Sci., 9/64. Address: Dept. of Sociology, Drexel University, 32nd & Chestnut St, Philadelphia, Pa. 19104.
- McCORD, PROF. WILLIAM MAXWELL.** Sociology. See L-Z Vol. 11th ed, Soc. & Behav. Vols. New position & address: Prof., 68-, Dept. of Sociology, Syracuse University, Syracuse, N.Y. 13210.
- McCORKLE, DEAN CHESTER (OLIVER), JR.** Agricultural Economics. See L-Z Vol. 11th ed, Soc. & Behav. Vols. New information: Also dean col. agr. & environ. sci., California, Davis, 69- Address: 724 Oeste Dr, Davis, Calif. 95616.
- McCORMACK, DR. PETER (DEVEY).** Psychology. See L-Z Vol. 11th ed, Soc. & Behav. Vols. New position: Prof., 69-, Dept. of Psychology, Carleton University, Ottawa 1, Ont, Can.
- McCORMACK, DR. WILLIAM (CHARLES).** Anthropology, Linguistics. See L-Z Vol. 11th ed, Soc. & Behav. Vols. New position & address: Prof., anthrop. & ling., 69- Dept. of Sociology & Anthropology, University of Calgary, Calgary 44, Alberta, Can.
- McCORMICK, RONALD ROBERT.** b. Chicago, Ill., June 19, 29; m. 52, 68; c. 4. **COUNSELING PSYCHOLOGY, HUMAN FACTORS ENGINEERING.** B.S., Northwestern, M.A., 53; North Texas State, 59-62; Fla. State, 67. Res. psychologist, U.S. Air Force, 52-57; staff psychologist, Dallas County Juvenile Court, Tex., 57-61; sr. human factors psychologist, Syst. Develop. Corp., N.J., 61-62; lead human factors engr., Ling-Temco-Vought Corp., Tex., 62-66; engr. & scientist, Tracor, Inc., 66-67; voc. rehab. psychologist, Fla. State Dept. Ed., 67-68; RES. ASSOC. & ASST. DIR. TESTING & EVAL. CENTER, FLORIDA ATLANTIC, 68- Pres. & founder, Int. Data Interchange, Inc., Fla., 69-; Trademark Design Prod, Inc., 70-; exec. dir., Human Factors Res. Assocs., 70- Personnel consult, Broward County Mfrs. Assn., 67-69; consult, Forty-plus Career Inst., 69- U.S.A.F., 52-57, 57-66, Capt. Psychol. Asn; Ed. Res. Asn; Human Factors Soc. College vocational and educational counseling and research; human factors engineering; computer sciences; consulting psychology; management of individual business interests. Publ: Co-auth, U.S.A.F. classified military research, U.S.A.F. Documents, 52-57; auth, U.S. letters patent, U.S.A.F. Patent Off., 59; LTV guide to human factors engineering, Ling-Temco-Vought, Inc., 64. Address: 406 N.E. 18th Ave, Pompano Beach, Fla. 33060.
- McCRACKEN, DR. PAUL W (INSTON).** Business Administration. See L-Z Vol. 11th ed, Soc. & Behav. Vols. New information: Chmn., 70-, President's Council of Economic Advisors, The White House, Washington, D.C. 20500.
- McCRACKEN, DR. ROBERT D.** b. Fairplay, Colo., Aug. 9, 39; m. 67; c. 1. **ANTHROPOLOGY.** B.A., Colorado, 62, M.A., 63, Ph.D.(anthrop.), 68. ASST. PROF. ANTHROPOLOGY, Colo. Woman's Col., 66-67; Calif. State Col. Long Beach, 68-69; SCH. PUB. HEALTH, CALIFORNIA, LOS ANGELES, 69- Fel. Anthrop. Asn. Culture and social change; cultural and human evolution; bio-cultural studies; ethnographic films; creative writing. Publ: Lactase deficiency: an example of dietary evolution, Current Anthropol. (in press). Address: School of Public Health, University of California, Los Angeles, Calif. 90024.
- McCROSKY, DR. JAMES C (LAYBORNE), b. Platte, S.Dak., Oct. 6, 36; m. 57; c. 5. COMMUNICATIONS, SPEECH.** B.S., South State Col. (S.Dak.), 57; M.A., South Dakota, 59; D. Ed. (speech, ed. psychol.), Pa. State, 66. Instr. high sch., S.Dak., 57-60; speech, Univ. Hawaii, 60-61; dir. forensics, Col. William & Mary, 61-63; instr. speech, Pa. State, 63-66; asst. prof., Mich. State, 66-68, 68-69; ASSOC. PROF. SPEECH COMMUN. & DIR. GRAD. STUDIES, ILLINOIS STATE, 69- Speech Commun. Asn; Int. Commun. Asn; Am. Forensic Sci. Assn. Communication education; message variable in attitude change. Publ: Introduction to rhetorical communication, 68 & Introduction to interpersonal communication, 71, Prentice-Hall; co-auth, Elements of debate, Arco, 69. Address: Dept. of Speech Communication, Illinois State University, Normal, Ill. 61761.
- McCULLERS, DR. JOHN C.** Psychology. See L-Z Vol. 11th ed, Soc. & Behav. Vols. New position & address: Assoc. prof., 68-, Dept. of Psychology, Georgia State University, 33 Gilmer St. S.E., Atlanta, Ga. 30303.
- McCULLY, DR. ROBERT S (STEPHEN).** Clinical Psychology. See L-Z Vol. 11th ed, Soc. & Behav. Vols. New information: Gen. Instr. Unit, Univ. of Mich., Psychoanal., 68. Prof. & head, 69-, Division of Psychology, Medical University of South Carolina, 80 Barre St., Charleston, S.C. 29401.
- McCUNE, PRES. ELLIS E.** b. Houston, Tex., July 17, 21; m. 46; c. 1. **POLITICAL SCIENCE.** B.A., California, Los Angeles, 48, Ph.D.(polit. sci.), 57. Teaching asst. polit. sci., California, Los Angeles, 49-51; from instr. to assoc. prof., Occidental Col., 51-59; from asst. prof. to prof., San Fernando Valley State Col., 59-63; State Col. dean acad. planning, Calif. State Cos., 63-67; PRES. CALIF. STATE COL. HAYWARD, 67- Mem. Calif. State Scholar. & Loan Cmn., 64-69, chmn., 64-69, U.S.A.A.F., 42-46, S/Sgt. Polit. Sci. Assn. College administration. Publ: Metropolitan Los Angeles, a study in integration, Haynes Found., Los Angeles, 54. Address: 5851 Highland Rd., Castro Valley, Calif. 94546.
- McCUNE, PROF. SHANNON.** Geography. See L-Z Vol. 11th ed, Soc. & Behav. Vols. New position & address: Prof. & chmn., 69-, Dept. of Geography, University of Florida, Gainesville, Fla. 32601.
- McCURTAIN, DR. MARILYN E.** b. Berkeley, Calif., Jan. 6, 28. **POLITICAL SCIENCE.** B.A., Occidental Col., 49; M.A., California, Berkeley, 55; Ph.D. (polit. sci.), Washington (Seattle), 65. Tech. officer, 1960 Decennial Census, U.S. Bur. Census, 59-60; asst. assoc. Wash. Pub. Opinion Lab., Washington (Seattle), 60-61; RES. POLIT. SCIENTIST, OPINION RES. LAB., 61- Acad. Polit. Sci.; Polit. Sci. Asn; Asn. Pub. Opinion Res. Program evaluation for state and local government; evaluating health programs; education; Office of Economic Opportunity; regional planning; model city programs. Address: Opinion Research Lab., 2108 N. Pacific, Seattle, Wash. 98103.
- McDANIEL, DR. CLYDE OLIVER, JR.** b. Fayetteville, N.C., Oct. 22, 35; m. 61. c. 2. **SOCIOLOGY, EDUCATION.** B.S., Fayetteville State, 60; M.A., N.C. Col. Durham, 63; Ph.D.(sociol. res.), Pittsburgh, 66. Teacher, elem. sch., N.C., 60-61; asst. sociol., N.C. Col. Durham, 61-63; instr. & teaching fel., Pittsburgh, 64-66; sr. res. assoc. appl. fed. res. insts., Res. 65-67; asst. prof. SOCIOLOGY, CALIF. STATE COL., 68-69; ASSOC. PROF., PITTSBURGH, 69- Lectr., N.Y. & Emory Univs., 67-68; dir. res. & eval., Atlanta & Emory Univs., 67-68. Consult. Res. Group, Inc., 68-69; Volt Tech. Corp., D.C. & Ga., 68-70; New York City Teacher Corps, N.Y. Univ. Urban Interface Prog. Univ. Pittsburgh & Ailyn & Bacon Pub. Co., Mass., 69-70. U.S.A., 53-56. Sociol. Asn; Ed. Res. Asn; Nat. Coun. Family Rel. Evaluation of large-scale educational programs and projects; evaluation of a school decentralization program in Pittsburgh. Publ: Female dating roles and reasons for dating, J. Marriage & Family Living, 69, Toward a professional definition of marriage counseling, Family Coordinator, 70 & Participation in extra-curricular activities, social acceptance and social rejection among educable mentally retarded students, Ed. & Training, 70. Evaluation of Mentally Retarded, 70. Address: 2004 Sonny St, Pittsburgh, Pa. 15221.
- McDANIEL, DR. JAMES WINNARD.** b. Dallas, Tex., Feb. 11, 36; m. 61; c. 2. **PSYCHOLOGY.** B.S., North Texas State, 57, M.S. 59; Ph.D.(psychol.), Texas Tech., 64. Psychologist, Terrill State Hosp., 58-59; Laradon Hall Center, 59-60; State Dept. Rehab. Colo., 60-61; dir. opers., Ohio Bur. Voc. Rehab., 64-65; instr. PHYS. MED. & REHAB. SCH. MED. COLORADO, 65-66, ASST. PROF., 66-, CLIN. PSYCHOL. DEPT. PSYCHIAT., 69- AAAS; Am. Psychol. Asn; Am. Rehab. Counseling Asn. Psychological effects of chronic illness and physical disability; allied health professional education; medical education; organ transplantation and artificial internal organs. Publ: Physical disability and human behavior, Pergamon, 59. Disability and vocational redevelopment, J. Rehab., 63 & Rehabilitation research in state agencies, Rehab. Lit., 65. Address: Box 2738, 4200 E. Ninth Ave., University of Colorado School of Medicine, Denver, Colo. 80220.
- McDANIEL, DR. SUSAN GRIFFITH.** Zoology. See Suppl. V to 11th ed. Phys. & Biol. Vols.
- McDERMOTT, DR. JAMES KENNETH.** Agricultural Economics. See L-Z Vol. 11th ed, Soc. & Behav. Vols. New position: Dir. div. planning utilization & eval., 70-, Office of Research & University Relations, U.S. Agency for International Development, Washington, D.C. 20523.
- McDERMOTT, DR. JOHN F., JR.** b. Hartford, Conn., Dec. 12, 29; m. 58; c. 2. **PSYCHIATRY.** A.B., Cornell, 51; M.D., N.Y. Med. 55. Intern, Henry Ford Hosp., 55-56; res. psychiatrist, med. center, Michigan, 56-58, fel. child psychiatry, 60-62. Instr. PSYCHIAT., 61-64, asst. prof., 64-66, assoc. prof., 66-69. PROF. & CHMN. DEPT. SCH. MED. HAWAII, 69- Mem. Nat. Med. Adv. Bd. Ed. Film Prod., 67-; cmt. cert. child psychiatrist, Am. Bd. Psychiat. & Neurology, 70. Med.C., U.S.N.R., 58-60, Lt. Cmdr. Fel. Psychiat. Asn; fel. Col. Psychiat. fel. Orthopsychiat. Asn; fel. Acad. Child Psychiat.; Group Adv. Psychiat.; Am. Med. Asn. Child psychiatry; social class and mental illness; divorce and its effects on children. Publ: Co-auth, Psychiatry for the pediatrician, Norton, 70 & Social class and mental illness in children: the diagnosis of organicity and mental retardation, In: Annual progress in child psychiatry and child development, Brunner-Mazel, 68. Address: Dept. of Psychiatry, University of Hawaii School of Medicine, Leahi Hospital, 3675 Kilauea Ave, Honolulu, Hawaii 96816.
- McDERMOTT, BRIG. GEN. R (OBERT) (FRANCIS), U.S.A.F. (RET).** Economics. See L-Z Vol. 11th ed, Soc. & Behav. Vols. New position & address: Pres., 69-, United Services Automobile Association, 4119 Broadway, San Antonio, Tex. 78215.
- McDIARMID, DR. COLIN GORDON.** Experimental Psychology. See L-Z Vol. 11th ed, Soc. & Behav. Vols. New position & address: Assoc. prof., 68-, Dept. of Psychology, Mankato State College, Mankato, Minn. 56001.
- McDIARMID, DR. JOHN.** Political Science. See L-Z Vol. 11th ed, Soc. & Behav. Vols. Change of address: 15 Friends Colony West, New Delhi, India.
- McDILL, REV. THOMAS HALDANE.** Pastoral Care & Counseling. See 5th ed. Dir. Am. Scholars, Vol. IV, Philos. Relig. & Law.
- McDONALD, DR. DAVID (GEORGE).** Experimental Psychology. See L-Z Vol. 11th ed, Soc. & Behav. Vols. New position: Prof. & chmn., 69-, Dept. of Psychology, University of Missouri, Columbia, Mo. 65201.
- McDONALD, DR. JAMES R (OBERT).** Geography. See L-Z Vol. 11th ed, Soc. & Behav. Vols. New position: Prof., 68-, Dept. of Geography & Geology, Eastern Michigan University, Ypsilanti, Mich. 48197.

- MacDONALD, DR. JOHN LAUCHLIN. Mathematics. See Suppl. V to 11th ed, Phys. & Biol. Vols.
- McDONALD, PROF. MARGARET FRANCES, b. Zanesville, Ohio, Jan. 23, 1908. AGRICULTURAL ECONOMICS, RURAL SOCIOLOGY. B.A., Ohio State, 29, M.Sc., 41; American Univ., 49. Asst. instr. AGR. ECON. OHIO STATE, 29-42; instr., 42-46; asst. prof., 46-59; ASSOC. PROF., 59- Del. Int. Agr. Econ. Assn., Mysore, India, 58. Agricultural prices; analysis of Ohio agriculture from census and other available data. Publ.: Co-auth., Ohio farm prices handbook, 6 ed., 58-66; Facts about Ohio farming, 3rd rev. ed., 61 & Ohio agriculture, 68 & 6th rev. ed., 70. Ohio Coop. Agr. Extn. Address: Dept. of Agricultural Economics, Ohio State University, Columbus, Ohio 43210.
- MacDONNELL, DR. JOHN F(RAZIER) F(RANCIS). Guidance. See L-Z Vol. 11th ed, Soc. & Behav. Vols. Change of address: 12 Shields' St., Newport, R.I. 02840.
- McDONOUGH, DR. JOHN H., b. Meriden, Conn., Oct. 21, 17. INTERNATIONAL RELATIONS. B.A., Yale, 38; M.A., 41, Ph.D. (int. rels.), 49. Asst. prof. INT. RELS., Mississippi, 47-49; GEORGETOWN, 49-57; ASSOC. PROF., 57-. DIR. LATIN AM. STUDIES PROG., 66- Ford Found. study grant int. rels., 54; Orgn. Am. States res. fel. frontier integration, Colombia & Venezuela, 65-66. U.S.A., 41-45. Polit. Sci. Assn.; Latin Am. Studies Assn. Latin American integration. Address: 7014 Marguerite Court, Annandale, Va. 22003.
- McDONOUGH, MAJ. JOHN PAUL, U.S.A.F., b. Carbondale, Pa., Nov. 1, 26; m. 53; c. 2. PSYCHOLOGY. B.S., Seton Hall, 50; M.S., Purdue, 61, Ph.D. (psychol.), 66. U.S. AIR FORCE, 51-. instr. PSYCHOL., U.S. AIR FORCE ACAD., 61-64; asst. prof., 64-67; ASSOC. PROF., 67- Selection procedures used in assigning personnel to overseas stations using profile analysis and hierarchical grouping techniques. Address: Dept. of Psychology, U.S. Air Force Academy, Colo. 80840.
- McDONOUGH, DR. LEAH B(ROOKS). Psychology. See L-Z Vol. 11th ed, Soc. & Behav. Vols. New position: Chief, courts & corrections unit, San Mateo Ment. Health Serv., 67- Address: 2150 Cowper St., Palo Alto, Calif. 94301.
- McDOUGAL, PROF. MYRES S(MITH). Law. See 5th ed, Dir. Am. Scholars, Vol. IV, Philos., Relig. & Law.
- McDOUGALL, DR. E(DWARD) BRUCE. Geography. See L-Z Vol. 11th ed, Soc. & Behav. Vols. New position & address: Asst. prof., 69-, University of Pennsylvania, GSFA-119, Philadelphia, Pa. 19104.
- McDOUGALL, JOHN L(ORNE). Economics. See L-Z Vol. 11th ed, Soc. & Behav. Vols. Publ.: Canadian Pacific Railway: a brief history, McGill Univ., 68 (little change). Address: McDougall Consultants Ltd, 253 Albert St., Kingston, Ont., Can.
- McDOWELL, DR. EUGENE EARLY, III. Psychology. See L-Z Vol. 11th ed, Soc. & Behav. Vols. New position & address: Assoc. prof. & head, 69-, Dept. of Psychology, Western Carolina University, Cullowhee, N.C. 28723.
- MACE, DR. ALMON T(URLEY). Economics. See L-Z Vol. 11th ed, Soc. & Behav. Vols. Change of address: 216 Governor's Lane, Harrisonburg, Va. 22801.
- MACEachern, PROF. ALEXANDER WILLIAM, b. Winnipeg, Man., Oct. 17, 28; m. 49; c. 3. PSYCHOLOGY, PUBLIC ADMINISTRATION. B.A., British Columbia, 49, M.A., 50; Harvard, 51-52. Psychol. intern., Vancouver Gen. Hosp., B.C., 49-50; teaching asst., abnormal psychol., British Columbia, 49-50; clin. psychologist, Vancouver Child Guid. Clin. 50-51; res. asst. soc. rels., Harvard, 51-52; res. assoc. sch., exec. studies, grad. sch. ed., Harvard, 52-57; John Tracy Clin., Los Angeles, Calif., 57-60; ASSOC. PROF. PUB. ADMIN. SCH. PUB. ADMIN., SOUTHERN CALIFORNIA, 62-. PROJ. DIR. YOUTH STUDIES CENTER, 60-. DIR. YOUTH STUDIES CENTER, 67-. DIR. PUB. SYSTS. RES. INST., 69- Ed. Youth & Soc. 69- Computer applications to social and organizational phenomena; systems analysis; organizational theory; decision theory; research methods. Publ.: Co-auth., Explorations in role analysis, Wiley, 58; ed., The juvenile probation system, Am. Behav. Scientist, 68. Address: Public Systems Research Institute, University of Southern California, University Park, Los Angeles, Calif. 90007.
- MACEK, DR. ALBERT J. Experimental Psychology. See L-Z Vol. 11th ed, Soc. & Behav. Vols. Change of address: 2432 Sheridan S., Minneapolis, Minn. 55405.
- McELROY, DR. F. WILLIAM. Economics. See L-Z Vol. 11th ed, Soc. & Behav. Vols. New position & address: Asst. prof., 68-, Dept. of Economics, Georgetown University, Washington, D.C. 20007.
- MACESICH, PROF. GEORGE. Economics. See L-Z Vol. 11th ed, Soc. & Behav. Vols. New information: Managing ed., Slavic Papers, Florida State Univ., 67- Address: Dept. of Economics, Florida State University, Tallahassee, Fla. 32306.
- McEVOY, DR. JAMES, b. Detroit, Mich., Apr. 16, 40; m. 63. SOCIOLOGY, POLITICAL SCIENCE. A.B., Michigan, 63, A.M., 64. Ph.D. (sociol.), 68. ASST. PROF. SOCIOL., CALIFORNIA, DAVIS, 67- Spec. consult., Nat. Cmn. Causes & Prev. Violence, 68-70. Sociol. Assn.; Polit. Sci. Assn. Social ecology and recreational behavior; political sociology; survey research. Publ.: Co-ed., Black power and student rebellion, Wadsworth, 69; Radicals or conservatives: the contemporary American right, Rand McNally, 70. Address: Division of Environmental Studies, University of California at Davis, Davis, Calif. 95616.
- McFADDEN, CHARLES J., O.S.A. Philosophy, Ethics. See 5th ed, Dir. Am. Scholars, Vol. IV, Philos., Relig. & Law.
- McFADDEN, DR. FREDERICK R., b. Escanaba, Mich., Apr. 22, 33; m. 58; c. 3. INDUSTRIAL ENGINEERING. B.S., Mich. State, 55; M.B.A., California, Los Angeles, 61; Ph.D. (opers. res.), Stanford, 66. Indust. engr., Procter & Gamble Co., 58-59; sr. math. analyst, Lockheed Missiles & Space Co., 60-61; ops. analyst, Stanford Res. Inst., 61-66; asst. prof. bus. admin., Santa Clara, 66-68; assoc. prof. quant. methods & chmn. dept., 68-70; ASSOC. PROF. MGT. SCI., COLORADO, 70- U.S.A.F. 57-59; 1st Lt. Inst. Mgt. Sci. Operations research; quality control systems; production and inventory control; mathematical programming. Publ.: An analysis of dominion textile's warehousing and distribution system, 64 & A study of rapid shutdown in industry in the event of nuclear attack, 66, Stanford Res. Inst.; A comparative analysis of alternative quality control plants, Stanford Univ., 68. Address: Dept. of Management Science, University of Colorado, Boulder, Colo. 80304.
- McGEARY, DEAN MARTIN NELSON. Political Science. See L-Z Vol. 11th ed, Soc. & Behav. Vols. New information: Emer. dean, 69-, Pennsylvania State University, University Park, Pa. 16802.
- McGEE, PROF. SHANNA J., b. St. Paul, Minn., Mar. 6, 23. CLINICAL PSYCHOLOGY. B.A., California, Berkeley, 47; M.A., Michigan, 52; Ph.D. (clin. psychol.), Western Reserve, 59. Clin. psychologist, Wayne County Hosp., Mich., 55-58; assoc. prof. psychol. & dean women, West State, Colo. 58-60; asst. prof. PSYCHOL., IDAHO STATE, 60-62; assoc. prof., 62-69, PROF., 69- Fel. med. sch., Wisconsin, 68-69. Consult. psychologist, Southeast. Idaho Ment. Health Center, 61- Psychol. Assn. Psychotherapy; personality dynamic; projective testing. Address: Dept. of Psychology, Idaho State University, Pocatello, Idaho 83201.
- McGEE, DR. THOMAS F(REDERICK). Clinical Psychology. See L-Z Vol. 11th ed, Soc. & Behav. Vols. New position: Dir., 69-, Mental Health Division, Chicago Board of Health, Civic Center, Chicago, Ill. 60602.
- McGILL, PRES. WILLIAM J. Psychology. See L-Z Vol. 11th ed, Soc. & Behav. Vols. New information: Chancellor, California, San Diego, 68-70; pres., Columbia, 70- Address: Columbia University, New York, N.Y. 10027.
- McGINLEY, DR. ANDREW D(ODDS), JR. Industrial Psychology. See L-Z Vol. 11th ed, Soc. & Behav. Vols. New position: Pres., McGinley & Co., Inc., Milwaukee, 69- Address: 4160 N. Cherokee Dr., Brookfield, Wis. 53005.
- McGINN, DR. NOEL F(RANCIS). Social Psychology. See L-Z Vol. 11th ed, Soc. & Behav. Vols. New position: Assoc. prof. ed., 69-, Center for Studies in Education & Development, Harvard University, 38 Kirkland St., Cambridge, Mass. 02138.
- McGLONE, DR. EDWARD LEON. Communications, Speech. See L-Z Vol. 11th ed, Soc. & Behav. Vols. New position: Asst. prof. speech, Washington State, 68- Address: 2221 Deane St., Pullman, Wash. 99163.
- McGLOTHLIN, DR. WILLIAM H(ERSCHTEL). Psychology. See L-Z Vol. 11th ed, Soc. & Behav. Vols. New position: Res. psychologist, dept. psychol., California, Los Angeles, 69- Address: 3081 Rambla Pacifico, Malibu, Calif. 90265.
- McGOUGH, DEAN BOBBY CORNELIUS, b. Lake City, Ark., Nov. 10, 21; m. 56; c. 2. BUSINESS, ECONOMICS. B.S., Arkansas State, 48; M.B.A., Syracuse, 51; Equitable Life Assurance Soc., fel., Florida, 59, Ph.D., 62. Store mgr., Goodyear Tire & Rubber Co., Memphis, Tenn., 48-50; instr. col. bus., Florida, 51-52 & 53-56; appraiser real estate, 53, instr. real estate, 57-62; salesman, Cent. Fla. Realty Co., Ocala, 52-53; appraiser real estate, State of Fla., 56-57; assoc. prof. col. bus. & pub. admin., Arizona, 62-65; PROF. BUS. & DEAN COL. ARKANSAS STATE, 65- Participant, bus. deans seminar, Am. Collegiate Schs. Bus., 65; consumer exec. prog. for v.pres. & deans, Int. Bus. Mach. Corp., San Jose, Calif., 67; Mortgage Bankers Assn. fel., North-western, 68. Consult., shopping center location, Nogales, Ariz., 64-65. U.S.A.F., 42-46, Lt. Col. Econ. Assn.; Finance Assn.; Real Estate & Urban Econ. Assn. Eminent domain in real estate and appraising techniques followed in this action; university curriculum and administrative policies; financing techniques. Publ.: Methodology for highway impact studies; Appraisal J., 1/68. Analysis of liquidity and profitability for income producing property. Nat. Inst. Real Estate Brokers, 12/68 & University and college consulting policies, Col. & Univ. Bus., 2/69. Address: Office of the Dean, College of Business, Arkansas State University, Box 970, State University, Ark. 72467.
- McGOULDRICK, DR. PAUL F., b. Augusta, Maine, Mar. 15, 26; m. 56; c. 3. ECONOMICS, ECONOMIC HISTORY. B.A., Maine, 47; M.A., Harvard, 52. Ph.D. (econ.), 56; Fulbright fel., Denmark, 52-53. Economist, U.S. Mil. Govt. Germany, 47-50; Fed. Reserve Bd., 59-68; ASSOC. PROF. ECON., MCGILL, 68- U.S.A., 53-56, Sgt. Econ. Assn.; Econ. Hist. Assn. Money supply in America; British bank policy; business investment determinates; sectoral velocity of money; state and local borrowing and capital outlays. Publ.: New England textiles in nineteenth century, Harvard, 68; A sectoral analysis of velocity, 62 & co-auth., Monetary restraint and state borrowing and spending during 1966, 68, Fed. Reserve Bul. Address: 533 Stephen Leacock Bldg., McGill University, Montreal 110, Que., Can.
- McGOVERN, DR. JOHN F. Medieval & Early Modern Economic History. See 5th ed, Dir. Am. Scholars, Vol. I, Hist.
- McGOWAN, DR. BRENDA K., b. Winchester, Mass., May 23, 39; m. 69. PHYSIOLOGICAL PSYCHOLOGY. B.A., Northeastern, 62; M.S., Massachusetts, 65, Ph.D. (psychol.), 67. Nat. Insts. Ment. Health res. fel. NEUROPSYCHOL., Harvard, 66-68; RES. ASSOC., BARROW NEUROL. INST. ST. JOSEPH'S HOSP., 68- Psychol. Assn. Neural pathways involved in Gustatory-visceral conditioning; development of electrical rhythms of limbic system during approach conditioning in cats; habituation and restoration of tactile evoked potentials in cats. Publ.: Co-auth., X-Rays as an olfactory stimulus, In: Taste and olfaction III, Pergamon, 68 & Sensory quality and integration constraints on conditioning, In: Classical conditioning II, Appleton, 69; auth.

- Effects of septal lesions on bait-shyness, *Physiol. & Behav.* 11/69. Address: Barrow Neurological Research Institute, St. Joseph's Hospital, Phoenix, Ariz. 85013.
- McGRADE, DR. BETTY JO, b. Washington, D.C. Oct. 23, 33; m. 54; c. 1. *PSYCHOLOGY*. B.A., Chicago, 52, M.A., 57; M.A., Texas, 58; Ph.D. (psychol.), Yale, 65. Instr. psychol., Connecticut, 63-64; asst. prof. 66-67 & 69; INTER-TECH CHILD CLIN. PSYCHOL. EMMA PENDLETON BRADLEY HOSP. PROVIDENCE, R.I. 69. *Psychol. Assn.*; Soc. Res. Child Develop. Social reinforcement; infancy; clinical work with children. Publ. Co-auth. Activity in the human newborn as related to delivery difficulty, 65 & auth. Newborn activity and emotional response at eight months, 68, Child Development; Social class and reinforcement effects in discrimination learning, J. Personality & Soc. Psychol. 66. Address: 8 Lynwood Rd, Storrs, Conn. 06268.
- McGRADY, DR. HAROLD JAMES, JR. Speech & Language Pathology. See L-Z Vol, 11th ed, Soc. & Behav. Vols. New position: Dir., 69-, Learning Disabilities Center, Northwestern University, Speech Annex Bldg, Evanston, Ill. 60201.
- McGRATH, DR. JAMES JOSEPH. Psychology. See L-Z Vol, 11th ed, Soc. & Behav. Vols. New position: Prin. scientist, Anapocas Sci, Inc, 69- Address: 5348 Paseo Rio, Santa Barbara, Calif. 93105.
- McGRATH, THOMAS AUGUSTINE, S.J. Psychology. See L-Z Vol, 11th ed, Soc. & Behav. Vols. New position: Prof. psychol., 69-, Dept. of Psychology & Education, Fairfield University, Fairfield, Conn. 06430.
- McGRAW, DR. CHARLES PATRICK. Neurophysiology. See Suppl. VI to 11th ed, Phys. & Biol. Vols.
- MACGREGOR, PROF. FRANCES COOKE. Sociology. See L-Z Vol, 11th ed, Soc. & Behav. Vols. New position: Res. scientist, inst. reconstruct. phys. med. center, N.Y. Univ. 68- Address: 120 E. 90th St, New York, N.Y. 10028.
- McGREGOR, DR. JOHN ROBERT. Geography. See L-Z Vol, 11th ed, Soc. & Behav. Vols. New position & address: Assoc. prof., 70-, Dept. of Geography & Geology, Indiana State University, Terre Haute, Ind. 47803.
- McGREGOR, DR. RUSSELL C (ARHART). Forest Economics. See L-Z Vol, 11th ed, Soc. & Behav. Vols. New position: Asst. to v-pres. agr. sci, California, Berkeley, 69- Address: 1920 Francisco St, Apt 402, Berkeley, Calif. 94709.
- McGREW, PROF. JOHN GILBERT. Economics. See 11th ed, Soc. & Behav. Vols., deceased 68.
- McGUFF, PRES. HARRY ALBERT, b. Indianapolis, Ind., Jan. 19, 24; m. 46; c. 2. *BUSINESS ADMINISTRATION*. B.S. Ind. Cent. Col., 52; M.A., Indiana, 54, M.S., 55, D.B.A. 66. Teacher, high sch., Ind., 52-53; chmn. dept. bus. admin. Ind. Cent. Col., 53-56; dir. evening div. & indust. rels. center, 58-67; chmn. dept. indust. tech., Purdue, 56-58; chmn. dept. bus. admin. Marshall, 67-68; PRES. IND. VOC. TECH. COL., 68- U.S.A. 43-46, Sgt. Maj. Management; accounting; economics. Address: Indiana Vocational Technical College, 333 N. Pennsylvania St, Indianapolis, Ind. 46204.
- McGUGAN, PROF. DERRILL L. Psychology. See L-Z Vol, 11th ed, Soc. & Behav. Vols. New information: Also chmn., 69-, Dept. of Psychology, Rider College, Box 298, Trenton, N.J. 08602.
- McGUIRE, PROF. DELBERT, b. Altus, Okla., Aug. 24, 17; m. 42; c. 1. *JOURNALISM*. B.S. & M.J. T. Mass., 47; Ph.D. (mass. comm.), Iowa, 66. Reporter & desk man, Austin Am. Statesman, 45-47; ed. South Florist & Nurseryman Mag., 47-50; asst. prof. journalism, N.Tex. State Col., 50-61; PROF. & HEAD DEPT., Texas A&M, 61-68; TECH. JOURNALISM, COLORADO STATE, 68- Ed., Automatic World Mag., 47-50; field dir. Southwest. Elec. Mag., 52-; area correspondent, Billboard Mag., 54- Mem. accrediting cmt., Am. Coun. Ed. for Journalism & freedom of info. cmt., Assoc. Press Managing Editors Assn., 61- Assn. ed. in Journalism, U.S.A.A.F., 42-45. Free lance field of magazine writing. Publ. Technical and industrial journalism, Stackpole, 56; ed. Proceeding of the Institute in Technical and Industrial Communication, Colorado State Univ., 69; auth. Democracy's confrontation: The Presidential press conference I and II, Journalism Quart., winter 67 & spring 68. Address: Dept. of Technical Journalism, Colorado State University, Ft. Collins, Colo. 80521.
- McGUIRE, DR. FREDERICK L. Psychology. See L-Z Vol, 11th ed, Soc. & Behav. Vols. Correction: Ph.D. N.Y. Univ. 57. Address: College of Medicine, University of California, Irvine, Calif. 92664.
- McHOSE, DR. JAMES H (AYDEN), b. Fargo, N.Dak., Jan. 13, 37; m. 61; c. 2. *PSYCHOLOGY*. B.A., Carleton Col., 58; M.A., Iowa, 60, Nat. Sci. Found. fel., 60-61, Ph.D. (exp. psychol.), 61. Asst. prof. PSYCHOI., SOUTHERN ILLINOIS, 61-66, ASSOC. PROF., 66- *Psychonomics Soc.*; *Psychol. Assn.* Animal learning and motivation; behavior theory. Publ. The effect of continued nonreinforcement on the frustration effect, 63 & The role of frustration in the development of relative and absolute S-contrast effects, 69, J. Exp. Psychol.; Relative reinforcement effects: S's and S's paradigms in instrumental conditioning, Psychol. Review, 70. Address: Dept. of Psychology, Southern Illinois University, Carbondale, Ill. 62901.
- McHUGH, LOUGHLIN F (FRANCIS), b. Sligo, Ireland, July 6, 15; U.S. citizen; m. 39; c. 2. *ECONOMICS*. B.S., Harvard, 36; M.A., 42. Instr. & tutor econ., Harvard Col., 39-43; economist, U.S. Dept. Commerce, 43-45 & 46-58, chief nat. econ. div., 58-61; chief Korea div. econ. Off. Strategic Serv., 45-46; economist, Cmt. Econ. Develop., 62-65; chief economist, U.S. Securities & Exchange Cmn., 65-69; SR. ECONOMIST, U.S. JOINT ECON. CMT., U.S. SENATE, 69- U.S.A. 45. Econ. Assn.; Statist. Assn. Monetary and fiscal policies; general business conditions. Address: Joint Economic Committee, Room 135, New Senate Office Bldg, Washington, D.C. 20549.
- McHUGH, DR. RAYMOND JOSEPH. American History. See 5th ed, Dir. Am. Scholars, Vol. I, Hist.
- McILVENNA, PROF. RAYMOND LOYD, b. Sask. Can., June 13, 19; U.S. citizen; m. 42; c. 3. *POLITICAL SCIENCE, ECONOMICS*. A.B. Williams, 45; A.M. Harvard, 47, Ph.D. (polit. sci.), 49. Asst. prof. polit. sci., Bucknell, 48-49; prof. & head dept., Millisaps Col., 49-55; ed. assoc. state & local govt., Pennsylvania, 55-56; assoc. prof. econ., Lewis & Clark Col., 56-57, prof. polit. sci. & head dept., 57-59; vis. assoc. prof. pub. admin., Southern California, 59-61; vis. prof. polit. sci. & econ. West. Carolina Col., 61-62; PROF. POLIT. SCI. & CHMN. DEPT., UNIV. OF THE PACIFIC, 62- Ford Found. faculty seminar fel., Oregon, 59. Consult. economist, Cmt. Econ. Develop., Ore. 56-59; consult. local govt., Glide Found., 62- U.S.A. 42-44. Polit. Sci. Assn.; Soc. Pub. Admin. Economic development in underdeveloped countries and in urban societies. Publ. Co-auth. The meat-packing industries of Oregon, Cmt. Econ. Develop. 58; auth. Economic desenvolvimento, Univ. Rio Grande do Sul, Brazil, 60. Address: Dept. of Political Science, University of the Pacific, Stockton, Calif. 95204.
- MACINCKO, DR. GEORGE. Geography, Natural Resources. See L-Z Vol, 11th ed, Soc. & Behav. Vols. New information: Vis. prof. geog., Dartmouth Col., 69-70. Address: Dept. of Geography, Central Washington State College, Ellensburg, Wash. 98926.
- MacINNES, DR. JAMES WILLIAM. Molecular Biology, Neurobiology. See Suppl. V & VI to 11th ed, Phys. & Biol. Vols.
- McINTIRE, DR. ELLIOT G (REGOR), b. Inglewood, Calif., Aug. 30, 40; m. 63; c. 2. *GEOGRAPHY*. B.A., California, Riverside, 63; M.A., Hopkins, 65; Ph.D. (geog.), Oregon, 68. Lectr. GEOG., California, Riverside, 67-68; ASST. PROF., SAN FERNANDO VALLEY STATE COL., 68- Am. Geog. Soc.; Assn. Am. Geog. Man-land relationships in the arid lands of the world, especially among pre-literate groups; Indians of the United States, particularly the Southwest. Publ. Central place on the Navajo reservation: a special case, Yearbook Assn. Pac. Coast Geographers, 68; The Hopi village of Arizona: a study in changing patterns, Proc. Assn. Am. Geographers, 69; Hopi colonization on the Colorado River, Calif. Geographer, 69. Address: Dept. of Geography, San Fernando Valley State College, Northridge, Calif. 91324.
- McINTIRE, T.L. COL. ROBERT H, U.S.A.F. b. Walnut Ridge, Ark., June 4, 25; m. 47; c. 2. *MANAGEMENT*. B.S. Okla. State, 49; M.S., Colorado, 60; D.B.A., Washington (Seattle), 68. Design engr., Baroid Div., Nat. Lead Co., 50-51; U.S. AIR FORCE, 51-, instr. navig. Ellington Air Force Base, Tex., 51-54, navigator, Japan, 54-55, procurement staff officer, Air. Mat. Command, 55-58, space sys. div., 60-62, instr. mgt. & tech. Air Command & Staff Col., 63-66, ASSOC. PROF. MGT., AIR FORCE INST. TECH., 68- Qual. control staff consult. & action officer, Hq. Air Mat. Command, U.S. Air Force, 55-58, qual. control & reliability staff consult. & mem. mgt. surv. teams, ballistic missile & space sys. div., 60-62, consult. sys. mgt. & behav. sci. in mgt., 68- U.S.A.F. 43-46. Acad. Mgt. Motivation of individuals in the work environment; management of research and development; systems management. Address: Dept. of System Management, School of Engineering, Air Force Institute of Technology, Wright-Patterson Air Force Base, Ohio 45433.
- McINTYRE, DR. STUART H (ULL). Political Science. See L-Z Vol, 11th ed, Soc. & Behav. Vols. Change of address: 8205 Lilly Stone Dr, Bethesda, Md. 20034.
- McINTOSH, DR. KENNETH D. Economics, Agricultural Economics. See L-Z Vol, 11th ed, Soc. & Behav. Vols. New information: Also dir., 69- Division of Resource Management, College of Agriculture & Forestry, West Virginia University, Morgantown, W.Va. 26506.
- MACISCO, DR. JOHN J, JR. Sociology. See L-Z Vol, 11th ed, Soc. & Behav. Vols. New information: Vis. sociologist, Centro Latinoamericano de Demografia, Santiago, Chile, 69- Address: c/o Ford Foundation, 320 E. 43rd St, New York, N.Y. 10017.
- MACK, DR. ARIEN, b. Brooklyn, N.Y., Mar. 24, 31; m. 65; c. 2. *EXPERIMENTAL PSYCHOLOGY*. B.A. Conn. Col., 51; M.A. Brown, 53, Nat. Insts. Health fel., Yeshiva, 62-65, Ph.D. (psychol.), 66. ASST. PROF. PSYCHOL. GRAD. FACULTY, NEW SCH. SOC. SCI., 66- Nat. Inst. Ment. Health fel., 68-69. AAAS; Psychol. Assn. Visual perception. Publ. The role of movement in perceptual adaptation to a tilted retinal image, 67, co-auth. Perceived movement of the afterimage, 69 & auth. An investigation of the relationship between eye and retinal image movement in the perception of movement, (in press), Perception & Psychophysics. Address: Dept. of Psychology, New School for Social Research, 66 W. 12th St, New York, N.Y. 10011.
- MACK, DR. V (JOYCE) J (ORDON). Agricultural Economics. See L-Z Vol, 11th ed, Soc. & Behav. Vols. New position: Agr. economist, 67-, Agency for International Development, U.S. Dept. of State, Washington, D.C. 20523.
- McKAY, PROF. QUINN GUNN. Business Administration. See L-Z Vol, 11th ed, Soc. & Behav. Vols. New position & address: David L. Tandy Prof. Am. enterprise mgt., 69-, Texas Christian University, Fort Worth, Tex. 76129.
- McKEAN, DR. JOHN RICHARD. Economics. See L-Z Vol, 11th ed, Soc. & Behav. Vols. New position & address: Assoc. prof., 69-, Dept. of Economics, Colorado State University, Fort Collins, Colo. 80521.
- McKEE, DR. CLYDE DAVID, JR. Political Science. See L-Z Vol, 11th ed, Soc. & Behav. Vols. New position: Assoc. prof. govt. & chmn. dept., Trinity Col. (Conn.), 69- Address: 18 Uncas Rd, Cornfield Point, Old Saybrook, Conn. 06475.
- McKEE, DR. JOHN C (AROTHERS). Industrial Psychology. See L-Z Vol, 11th ed, Soc. & Behav. Vols. New position: Pres. Consultant, Inc, 70- Address: 16831 Phelps Lane, Huntington Beach, Calif. 92647.

- McKEE, DR. MICHAEL GEOFFREY. Psychology. See L-Z Vol, 11th ed, Soc. & Behav. Vols. New information: Staff psychologist, sect. psychol. & res, Cleveland Clin. Found, 69-; adj. prof, Cleveland State, 69- Address: 3171 Warrington Rd, Shaker Heights, Ohio 44120.
- McKELVEY, DR. WILLIAM WARREN, b. Davenport, Iowa, Aug. 8, 38; m. 65. ORGANIZATIONAL BEHAVIOR, SOCIAL PSYCHOLOGY. B.A., Monmouth Coll, 60; M.S., Mass. Inst. Tech, 62, NASA fel. & Ph.D. (orgn. studies), 67. ASST. PROF. orgn. social, Mass. Inst. Tech, 65-67; BEHAV. SCI., CALIFORNIA, LOS ANGELES, 67- Consult, Rand Corp, Calif, 69- Social. Asn; Soc. Appl. Anthropol. Factor analytic technique in developing measuring instruments; career development problems of professionals in large organizations; reducing start-up costs of temporary societies and task groups. Publ. On the development of efficient statistically significant measuring instruments by factor analytic technique, Div. Res. Univ. Calif, Los Angeles, 64; co-auth. Career orientations and rewards of rewarded activity in a research organization, 65 & auth. Expectational noncomplementarity and style of interaction between professional and organization, 69, Admin. Sci. Quart. Address: Graduate School of Business Administration, University of California, Los Angeles, Calif. 90024.
- McKENDRY, DR. JAMES M(CHAEL), II, b. Rensselaer Co, N.Y., Jan. 22, 33; m. 54; c. 2. PSYCHOLOGY. A.B. Alabama, 54; M.S., Pa. State, 60, Ph.D. (psychol), 61. Res. asst. statist. Alabama, 53-54; Pa. State, 57-58; psychologist, HRB-SINGER, Inc, 57-58, sr. psychologist, 58-60, staff psychologist, 60-63, br. mgr. APPL. PSYCHOL, 63-66, TECH. ADV. 66-68, Lectr. Univ. Maryland, Heidelberg, 67-68. Consult, Inst. for Res. State College, 63-67; Interuniv. Cmt. Study Fels. Int. Develop, Pa. State, 64-67. U.S.A. 54-57, 1st Lt. Human Factors Soc; Psychol. Asn; Inst. Elec. & Electronics Eng; Psychomet. Soc. Human information processing and decision making; psychological impact of social change. Publ. Sr. auth. The design and evaluation of electronic equipment packaging techniques, 3: 255-272 & judgmentally derived information utility estimates, 10: 187-199. Ergonomics; Factors affecting perceptual integration, J. Appl. Psychol, 47: 293-300. Address: 520 Briarwood Lane, State College, Pa. 16801.
- McKENDRY, DR. MARGARET S(TEWART), b. Norwalk, Conn, Oct. 12, 33; m. 54; c. 2. PSYCHOLOGY. B.S. Alabama, 54; M.S., Pa. State, 60, Ph.D. (psychol), 63. Res. assoc. Pa. State, 63-67; lectr. Univ. Maryland in Heidelberg, Germany, 68-69, SUPVR. SPEC. ED. CENTRE COUNTY, Pa., 70- Res. assoc. HRB-Singer, Inc, 62-; Inst. Res. & Admin. Technol. Asn; Acad. Polit. & Soc. Sci. Child development, social unrest, communications effectiveness in developing countries. Publ. Co-auth. Instructional devices in maintenance training, Naval Training Devices Center, 62; Psychological impact of social change, Govt. Printing Off, 67; Interest of Peace Corps volunteers, J. Ed. Psychol, 63. Address: 520 Briarwood Lane, State College, Pa. 16801.
- McKENNA, SISTER HELEN VERONICA, S.S.J. Psychology. See L-Z Vol, 11th ed, Soc. & Behav. Vols. New information: Also acad. dean, 69-, Chestnut Hill College, Philadelphia, Pa. 19118.
- McKENNAN, PROF. ROBERT ADDISON. Psychology. See L-Z Vol, 11th ed, Soc. & Behav. Vols. New information: Vis. prof. human ecol, inst. arctic biol, Alaska, 69-71. Address: Elm St, Norwich, Vt. 05055.
- McKENZIE, DR. DOUGLAS HUGH. Anthropology. See L-Z Vol, 11th ed, Soc. & Behav. Vols. Change of address: Dept. of Anthropology, Cleveland State University, Cleveland, Ohio 44115.
- MACKENZIE, PROF. KENNETH DONALD. Organization Theory. See L-Z Vol, 11th ed, Soc. & Behav. Vols. New position & address: Prof, 69-, Dept. of Management Sciences, University of Waterloo, Waterloo, Ont, Can.
- McKENZIE, LT. COL. RICHARD E(ARL), U.S.A.F. Clinical Psychology. See L-Z Vol, 11th ed, Soc. & Behav. Vols. New position: Asst. prof, 68-, University of Texas Medical School, 7703 Floyd Curl Dr, San Antonio, Tex. 78229.
- McKEOWN, DR. JAMES P. Zoology. Ethology. See Suppl. V & VI to 11th ed, Phys. & Biol. Vols.
- McKIBBIN, DR. CARROLL R, b. Guthrie Center, Iowa, Nov. 17, 37; m. 57; c. 2. POLITICAL SCIENCE. B.A. Drake, 59; M.A., 60; George Washington, 65; Nat. Sci. Found. fel. Michigan, 66; Wilder & grad. sch. fel. Kansas, 66-67, Ph.D. 67. Agent, Internal Revenue Serv, 60-61; for. serv. officer, U.S. State Dept, 61-65; instr. PROF. LIT. SCI, DRAKE, 66-67; asst. prof, NEBRASKA, LINCOLN, 67-70, ASSOC. PROF. & CHMN. DEPT. 70-, res. cum. grants, 67- U.S.A.F.R. & Behav. Sci. Asn. Biographic analysis. Publ. Chap. 67- U.S.A.F.R. & Behav. Sci. Asn. Attrition in the foreign service: then and now, For. Serv. J, 69; The quit rate as an indicator of morale, Pub. Personnel Rev, 70. Address: 518 Old Father Hall, University of Nebraska, Lincoln, Nebr. 68508.
- MACKIE, DR. ARTHUR B. Economics. See L-Z Vol, 11th ed, Soc. & Behav. Vols. New position: Chief trade statist. & anal. br. for. develop. & trade div, econ. res. serv. U.S. Dept. Agr, 69- Address: 8606 Rayburn Rd, Bethesda, Md. 20034.
- MACKIE, DR. JAMES B(ENJAMIN). Psychology. See L-Z Vol, 11th ed, Soc. & Behav. Vols. New information: Dir. enrichment study & dir. clin. psychol. Psychiat. Inst, Univ. Maryland; consult. ed. J. Nerv. & Ment. Disease. Address: Psychiatric Institute, University of Maryland School of Medicine, Baltimore, Md. 21201.
- McKINNEY, PROF. DAVID H. Economics. See L-Z Vol, 11th ed, Soc. & Behav. Vols. Change of address: Route 3, Box 181, Sylva, N.C. 28779.
- McKINNEY, DR. JEROME B, b. Eleutheta, Bahamas, Dec. 20, 39. PUBLIC ADMINISTRATION, POLITICAL SCIENCE. B.A., New Mexico Highlands, 63; M.A., 64; Ph.D. (pub. admn), Missouri-Columbia, 69. Asst. instr. Am. govt, Missouri-Columbia, 64-67; procedures anal., Mo. State Dept. Revenue, 67, dir. res. 68; instr. POLIT. SCI, NEBRASKA, LINCOLN, 68, ASST.
- PROF, 69- Lectr. Nebr. Comprehensive Health Planning Seminar, 70- Soc. Pub. Admin; Polit. Sci. Asn. Government administrative regulation; public administrative management. Address: Dept. of Political Science, University of Nebraska, Lincoln, Nebr. 68508.
- McKINNEY, PROF. JOHN C(LIFFORD). Sociology. See L-Z Vol, 11th ed, Soc. & Behav. Vols. New information: Also v. provost & dean, 69-, Graduate School, Duke University, Durham, N.C. 27706.
- McKINNEY, DR. THEOPHILUS ELISHA, JR. Political Science. See L-Z Vol, 11th ed, Soc. & Behav. Vols. New position: V. provost & dean, Howard, 69- Address: 47 Belding Ave, White Plains, N.Y. 10603.
- MacKINNON, PROF. FRANK, b. Charlottetown, P.E.I., Apr. 24, 19; m. 43; c. 4. POLITICAL SCIENCE, HISTORY. B.A. McGill, 41; M.A. Toronto, 42. M. Ed. Toronto, 45-46; LL.D., New Brunswick, 50, Dalhousie, 64. Lectr. polit. sci., Toronto, 45-46; asst. prof. & chmn. dept., Carleton (Ont), 46-49, Prince of Wales Coll, 49-68; PROF. POLIT. SCI., CALGARY, 68- Nuffield travelling grant, 57; lectr. Quance lect., Saskatchewan, 68; Can. Coun. res. grant, 68. Mem. Can. Coun, 57-63. Gov. Gen. literary award, 51; Order of Can. medal of serv, 69. Inst. Pub. Admin. Can. (pres, 64-65); Can. Polit. Sci. Asn. (v. pres); Can. Hist. Asn. Canadian government, particularly, public administration, provincial government, political history. Supreme Court of Canada, the Crown, educational administration and political behavior. Publ. The government of Prince Edward Island, 51 & The politics of education, 60, Univ. Toronto; Responsibility and relevance in education, Gage, 68; plus others. Address: Dept. of Political Science, University of Calgary, Calgary, Alta, Can.
- McKINTOSH, DR. NICHOLAS JOHN, b. London, Eng, July 9, 35; m. 60; c. 2. PSYCHOLOGY. B.A. Oxford, 60, D.Phil. (psychol), 63. Univ. lectr. PSYCHOL, Oxford, 64-67; RES. PROF. DALHOUSIE, 67- Vis. lectr. Pennsylvania, 65-66, Brit. Asst. Psychol. Soc. Annual learning. Publ. Selective attention in animal discrimination learning, Psychol. Bull, 8: 65; Further analysis of the overtraining reversal effect, J. Comp. & Physiol. Psychol, 2: 69; Comparative studies of reversal and probability learning. In: Animal discrimination learning, Acad. Press, London, 69. Address: Dept. of Psychology, Dalhousie University, Halifax, N.S. Can.
- MacLACHLAN, DR. BRUCE BIRGE. Anthropology. See L-Z Vol, 11th ed, Soc. & Behav. Vols. New information: Also asst. to chancellor, 69-, Southern Illinois University, Carbondale, Ill. 62901.
- McLAUGHLIN, DR. GERALD WAYNE, JR. b. Nashville, Tenn. Aug. 16, 42; m. 67; c. 1. ORGANIZATIONAL PSYCHOLOGY, PSYCHOMETRICS. B.S. Tennessee, 64, M.S., 65, Ph.D. (orgn. psychol), 69. Asst. instr. mgmt. Tennessee, 64-65, res. asst. econ, 65-66, res. fel. dept. ed, 66-69; ASST. DIR. OFF. RES. U.S. MIL. ACAD., 69- Ord. C. A.U.S. 69-, 1st Lt. Ed. Res. Asn; Asn. Instnl. Res. Criterion development; testing and measurement; behavioral research in education, industry and other fields. Publ. Co-auth. Relationship between different variables and performance on a junior English exam, J. Exp. Ed, fall 67 & Some variables interacting with media exposure among foreign students, Sociol. & Soc. Res, 7: 69. Address: 2402 Claypool St, Nashville, Tenn. 37216.
- McLAUGHLIN, DR. KENNETH FLOYD, b. Salina, Kans, May 21, 15; m. 46; c. 2. STATISTICS. B.A. Drake, 36; M.A. Yale, 38; Oklahoma, 38-39; M.A. Iowa, 40, Ph.D. (ed. statist., measurement), 50. Instr. math. & physics, Goble Jr. Col., 40-42; radio theory, Army Air Force Tech. Training Sch, Scott Field, Ill, 42-43; asst. prof. math., U.S. Naval Acad, 46-52; assoc. prof. ed. statist., Fla. State, 52-58, tech. asst. test serv. bur., 52-56, acting dep., 56-57, dir. 57-58, test testing prof, 58-59; specialist appraisal individual measurement & eval., U.S. OFF. ED, 58-69, ED. PROG. SPECIALIST, 69- Vis. lectr., Maryland, 60-62. Consult, State Merit Syst, Fla. 54-58; State Bd. Bar Exams, 56-58; State Develop. Cmn, 57-58. U.S.N.R. 43-46, Lt. (jg). Psychomet. Soc; Math. Asn; Nat. Coun. Measurement in Ed; Asn. Measurement & Eval. in Guid; Personnel & Guid. Asn. Publ. Ninth grade testing program, J. Fla. Ed. Asn; Interpretation of test results, U.S. Off. Ed; ed. Understanding testing, purposes and interpretations for pupil development. Address: 871 N. Madison St, Arlington, Va. 22205.
- McLAUGHLIN, DR. MARTIN MICHAEL, b. Portland, Ore, June 23, 18; m. 48; c. 7. POLITICAL SCIENCE, PHILOSOPHY. A.B. Portland, 38; M.A., Notre Dame, 41, Ph.D. (polit. sci.), 48. Asst. prof. polit. sci., DePaul, 48-51; polit. officer, U.S. DEPT. STATE, Wash. Paris, Bonn, 51-62, spec. asst. bur. cult. & ed. affairs, 62-66, DEP. DIR. OFF. INT. TRAINING, AGENCY INT. DEVELOP, 66- Lectr., Maryland, 64-; Catholic Univ, 65-66; George Washington, 65- U.S.A., 46, Capt. Polit. Sci. Asn. American government, especially constitutional history, public administration and political processes. Publ. Political processes in American national student organizations, privately pub, 48. Address: 3325 N. 20th St, Arlington, Va. 22207.
- McLAURIN, DR. WILLIAM ARTHUR. Experimental Psychology. See L-Z Vol, 11th ed, Soc. & Behav. Vols. New position: Asst. prof, 69-, Dept. of Psychology, College of General Studies, University of Alabama, 70- 20th St, Birmingham, Ala. 35233.
- McLEAN, DR. G(EOGE) DONALD, b. Ft. Wayne, Ind, Apr. 8, 31; m. 64. CLINICAL PSYCHOLOGY. B.A., DePaul, 58; U.S. Pub. Health Serv. fel., Indiana, 62-63, Ph.D. (clin. psychol), 65; U.S. Pub. Health Serv. fel., Colorado, 63-64. ASST. PROF. PSYCHOL., SOUTHERN ILLINOIS, 65-, ASST. DIR. COUNSELING & TESTING CENTER, 69-, counselor, 65-69, acting dir. counseling psychol, 67-68. U.S.A.F. 49-51. Behavior therapy: evaluation of counseling. Address: Counseling & Testing Center, Southern Illinois University, Carbondale, Ill. 62901.
- McLEAN, DR. JACK H(ANSON), b. Kilgore, Tex. Nov. 16, 40; m. 69; c. 1. PHYSIOLOGICAL PSYCHOLOGY. B.A. Austin Col, 63. Nat. Defense Ed. Act fel. & M.S., Tulane, 66, Ph.D. (psychol), 68. ASST. PROF. PSYCHOL., LA. STATE, NEW ORLEANS, 67- AAAS; Psychol. Asn. Electrical brain stimulation; reproductive behavior. Address: Dept. of Psychology, Louisiana State University in New Orleans, Lake Front, New Orleans, La. 70122.

- McLELLAND, DR. PAUL E. b. Baltimore, Md, Sept. 11, 15; m. 37; c. 1. EDUCATIONAL PSYCHOLOGY, SPECIAL EDUCATION. B.S. Va. Polytech, 51; M.Ed. Virginia, 54, Ed.D. 68. Teacher, pub. schs. Va., 51-54, vis. teacher, 54-55; Rehab. Center Deaf & Hard Hearing, State Bd. Ed., 55-56; gen. supvr, Prince Edward-Cumberland Counties Sch. Div., 56-57; prin, VA. SCH. FOR DEAF & BLIND, STAUNTON, 57-65, AUDIO-VISUAL DIR, DEPT. DEAF, 65-; TEACHER BIOL. 65- Coun. Except. Children. Instruction of children; education and rehabilitation of the hearing impaired. Address: 303 College Circle, Staunton, Va. 24401.
- McLEOD, PROF. ALEX(ANDER)(NORMAN). Economics. See L-Z Vol, 11th ed, Soc. & Behav. Vols. New position & address: Prof, 69-, Dept. of Economics, Atkinson College, York University, 4700 Keele St, Downsview 463, Ont, Can.
- MACLEOD, DR. JENNIFER S(ELFRIDGE). Psychology. See L-Z Vol, 11th ed, Soc. & Behav. Vols. New position: Chief psychologist, Opinion Res. Corp, 69- Address: 4 Canoe Brook Dr, Princeton Junction, N.J. 08550.
- McLURE, DR. CHARLES E. JR. Economics. See L-Z Vol, 11th ed, Soc. & Behav. Vols. New information: Sr. staff economist, 69-70, Council of Economic Advisers, Executive Office Bldg, Washington, D.C. 20506.
- McMANUS, DR. JOHN JOSEPH. Vertebrate Zoology, Ecology. See Suppl. VI to 11th ed, Phys. & Biol. Vols.
- McMARTIN, DR. JAMES A(NDREW). b. Washington, D.C. June 6, 40; m. 62. SOCIAL PSYCHOLOGY. B.S. Fordham, 61; M.A. Brooklyn Col, 64; Ph.D. (psychol), Minnesota, 68. Res. asst. PSYCHOL. Inst. Develop. Studies, N.Y. Univ, 61-64; Minnesota, 65-67; ASST. PROF. SAN FERNANDO VALLEY STATE COL, 67- Inst., Macalester Col, 66; San Fernando Valley State Col. Found. grant, 67- Inst. Psychol. Assn. Processes of social learning in group interaction; methodological issues in social psychology. Publ: Co-auth. The ineffectiveness of punishment power, Sociometry, 69; auth. Two experimental tests of an averaging model of social influence, J. Personality & Soc. Psychol. (in press). Address: Dept. of Psychology, San Fernando Valley State College, Northridge, Calif. 91324.
- McMICHAEL, CAPT. ALLEN E(DGAR). U.S.N. Clinical Psychology. See L-Z Vol, 11th ed, Soc. & Behav. Vols. New position: Head human factors eng. syssts. off, Naval Air Develop. Center, 68- Address: 1638 Edge Hill Rd, Abington, Pa. 19001.
- McMILLAN, DR. EMILE L(EGENDRE). Sociology, Counseling. See L-Z Vol, 11th ed, Soc. & Behav. Vols. New position & address: Marriage counsr, 69-, Family Service Society, 535 Gravier St, New Orleans, La. 70130.
- McMILLAN, DR. R. BRUCE. b. Springfield, Mo, Dec. 3, 37; m. 61; c. 3. ANTHROPOLOGY. B.S. Southwest Mo. State Col, 60; A.S. Missouri, Columbia, 63; Nat. Sci. Found. fel, Colorado, 66-68, Ph.D.(anthrop), 70. Res. assoc. archaeol, Missouri-Columbia, 64-66 & 68-69; ASSOC. CURATOR ANTHROP. ILL. STATE MUS, 69- AAAS; Soc. Am. Archaeol. Cultural history of the eastern United States; settlement subsistence patterns of the Eastern Archaic; environmental reconstruction. Publ: Gasconade prehistory, Mo. Archaeologist, 85; Frisbie burial mounds from the prairie border region of southwestern Missouri, Plains Anthropologist, 68; Early Canid burial from the western Ozark highland, Science, 70. Address: Section for Anthropology, Illinois State Museum, Springfield, Ill. 62706.
- McMILLAN, PROF. S(AMUEL) STERLING. Economics. See L-Z Vol, 11th ed, Soc. & Behav. Vols. New information: Emer. prof, 69-, Dept. of Economics, Case Western Reserve Univ, Sears Bldg, Cleveland, Ohio 44106.
- McMILLIN, JOHN GREENE. b. Olympia, Wash, Aug. 1, 30; m. 63; c. 1. MUSEOLOGY, ARCHEOLOGY. B.S.(radiation biol) & M.A.(hist), Washington (Seattle), 59, Atomic Energy Cmn. fel, 59-63, M.S. 63. Oceanogr. Washington (Seattle), 53-57, assoc. dir. inst. radiation biol, 62-67; teacher, pub. schs, Wash, 59-63; curator, Burke Mem. & Wash. State Mus, 67-68; CHIEF CURATOR, ORE. HIST. SOC, 68- Field researcher, Am. Mus. Natural Hist, 66-67; researcher, Fund for Humanities Asia, 66-68. Mem. reviewing cmt, Nat. Sci. Found, 67-69; Int. Cmt. Ed-Ent. Cong. Mus, 67; chmn, State Landmark Cmn, Ore, 68- U.S.A., 52, Sgt. AAAS; Nat. Assn. Biol. Teachers; Anthropol. Soc. Pakistan. Interpretation of cultural activities through study of indirect evidence, including coprolites, fossilized pathogens and fossilized algae. Address: Oregon Historical Society, 1230 S.W. Park Ave, Portland, Ore. 97201.
- McNALLY, JAMES W(ALLACE). Economics. See L-Z Vol, 11th ed, Soc. & Behav. Vols. New information: Retired, 68. Address: 3511 Porter St. N.W., Washington, D.C. 20016.
- McNAMARA, DR. PATRICK HAYES. b. Merced, Calif, Aug. 16, 29; m. 68; c. 1. SOCIOLOGY. B.A. St. Louis, 55, M.A. 57; Ph.D.(sociol), California, Los Angeles, 68. Res. asst. Mex-Am. study proj, California, Los Angeles, 66-67; instr. SOCIOL. Calif. State Col. Los Angeles, 68; ASST. PROF., Texas, El Paso, 68-70; NEW MEXICO, 70- Sociol. Assn; Soc. Sci. Study Relig. Ethnic minorities, especially Mexican Americans; sociology of religion, especially Roman Catholicism. Publ: Migrants in our midst, Soc. Order, 11/57; Social action priests in the Mexican American community. Sociol. Anal, winter 68; Priests, protests and poverty intervention, Soc. Sci. Quart, 12/69. Address: Dept. of Sociology, University of New Mexico, Albuquerque, N.Mex. 87106.
- McNELL, DEAN ALVIN J. Political Science. See L-Z Vol, 11th ed, Soc. & Behav. Vols. New position & address: Dean, 68-, School of Arts & Sciences, Prairie View Agricultural & Mechanical College, Prairie View, Tex. 77445.
- McNEILLAGE, DR. PETER FRANCIS. Physiological Psychology. See L-Z Vol, 11th ed, Soc. & Behav. Vols. New position & address: Assoc. prof, 69-, Dept. of Linguistics, University of Texas, Austin, Tex. 78712.
- McNEILL, PROF. DAVID. b. Santa Rosa, Calif, Dec. 21, 31; m. 58; c. 2. PSYCHOLOGY, PSYCHOLINGUISTICS. A.B. California, Berkeley, 53, Ph.D. (psychol), 62. Nat. Sci. Found. fel, Harvard, 62-63, res. fel. cognitive studies, 63-65; asst. prof. psychol, Michigan, 65-66, assoc. prof, 66-68; vis. assoc. prof, Harvard, 67-69; PROF. PSYCHOL, CHICAGO, 69- Nat. Insts. Health grant, Kyoto, Japan, 69; Nat. Sci. Found. grants, 69-72. Psychol. Assn; Ling. Soc. Am; Soc. Res. in Child Develop. Publ: The acquisition of language, Harper, 70; Developmental psycholinguistics, In: The genesis of language, Mass. Inst. Tech, 66; co-auth. Psycholinguistics, In: The handbook of social psychology, Addison-Wesley, 68. Address: Dept. of Psychology, University of Chicago, Chicago, Ill. 60637.
- McNEILL, DR. HARRY V(NCENT). Psychology. See L-Z Vol, 11th ed, Soc. & Behav. Vols. New position & address: Dir, 69-, Greater Bridgeport Community Mental Health Center, Bridgeport, Conn. 06604.
- McNEILL, DR. IAN B. Mathematics, Statistics. See Suppl. VI to 11th ed, Phys. & Biol. Vols.
- McNEMAR, DR. OLGA W(ILLIAMSON). Psychology. See L-Z Vol, 11th ed, Soc. & Behav. Vols. New information: Terminated Texas, Austin, 70; on one year travel, 70-71. Address: c/o Psychology Dept, Stanford University, Stanford, Calif. 94305.
- McNITT, DR. HAROLD A(USTIN). Philosophy. See 5th ed, Dir. Am. Scholars, Vol. IV, Philos, Relig. & Law.
- McNULTY, PROF. JOHN ARTHUR. Psychology. See L-Z Vol, 11th ed, Soc. & Behav. Vols. New position: Prof, 69-, Dept. of Psychology, Dalhousie University, Halifax, N.S., Can.
- McNULTY, DR. MARIAN STEVER. Economics. See L-Z Vol, 11th ed, Soc. & Behav. Vols. New position: Asst. prof. econ. & indust. rels, sch. bus. admin, Seton Hall, 70- Address: 272 N. Mountain Ave, Upper Montclair, N.J. 07043.
- McNULTY, PROF. MATTHEW FRANCIS, JR. Hospital Administration. See L-Z Vol, 11th ed, Soc. & Behav. Vols. New information: Hon. D.Sc. Alabama, 69. V-pres. med. center affairs, Georgetown, 69- Address: 10000 Carter Rd, Bethesda, Md. 20034.
- McNULTY, DR. MICHAEL LEIGH. Geography. See L-Z Vol, 11th ed, Soc. & Behav. Vols. New position & address: Asst. prof, 69-, Dept. of Geography, University of Iowa, Iowa City, Iowa 52240.
- McPHAIL, DR. (S) CLARK. Sociology, Social Psychology. See L-Z Vol, 11th ed, Soc. & Behav. Vols. New position & address: Asst. prof, 69-, Dept. of Sociology, University of Illinois, 1204 W. Oregon, Urbana, Ill. 61801.
- MacPHEE, DEAN DONALD ALBERT. American History. See 5th ed, Dir. Am. Scholars, Vol. I, Hist.
- MacPHERSON, PROF. ERIC. b. Hawkeye, Sask, Apr. 8, 31; m. 57; c. 3. MATHEMATICS, EDUCATION. B.A. British Columbia, 52, M.A. 59; Ph.D.(ed), Washington State, 66. Lectr. MATH. ED, BRITISH COLUMBIA, 59-62, asst. prof, 62-66, assoc. prof, 66-70, PROF, 70-, HEAD DEPT, 65- Ed. Res. Assn. The nature of concept hierarchies in mathematics. Address: 4474 Portland, Burnaby 1, B.C. Can.
- MacPHERSON, DR. WILLIAM R. b. Minot, N.Dak, Feb. 9, 39; m. 59; c. 1. SOCIOLOGY. B.A. Macalester Col, 61; M.A. Harvard, 63, Ph.D.(sociol), 67. Asst. prof. SOCIOL, American Univ, 64-66; lectr, Northeastern, 66-67; Boston, 67-68. ASST. PROF. POMONA COL, 67- Pomona Col. faculty res. grant, 67-68. Sociol. Assn. Social movements, especially ideology and propaganda of American political and religious movements; political sociology, especially influence processes, such as lobbying and political campaigns. Address: Dept. of Sociology, Pomona College, Claremont, Calif. 91711.
- McQUADE, PROF. FRANCIS P(ATRICK). Law, Philosophy. See 5th ed, Dir. Am. Scholars, Vol. IV, Philos, Relig. & Law.
- McQUADD, GERTRUDE A. Statistics, Economics. See L-Z Vol, 11th ed, Soc. & Behav. Vols. New position: Assoc. economist, J. Carvel Lange, Inc., New York, 69- Address: 2960 Grand Concourse, Bronx, N.Y. 10458.
- McQUITT, PROF. JOHN VREDENBURGH. b. Springfield, Ill, Jan. 27, 07; m. 30. PSYCHOLOGY. B.A. Florida, 28; B.A. Kentucky, 32, Ph.D.(psychol), 39. Asst. registrar, Florida, 29-35, univ. examiner, 35-42; aviation psychologist, U.S. Army Air Force, 42-45; UNIV. EXAMINER, FLORIDA, 45-, prof. psychol, 57- Mem. Col. Bd. Coun. on Col. Level Exam. Prog, 65-68. U.S.A.A.F., 42-45, Lt. Col. Psychol. Assn. Construction, administration and validation of college level course examinations. Publ: Evaluation in general education at the University of Florida, In: Evaluation in general education, W.C. Brown, 54; co-auth. Use of tests in educational personnel programs, Rev. Ed. Res, 4/54; auth. The value of a testing program in college admissions, Proc. Annual Meeting Fla. Assn. Cos. & Univs, 3/63. Address: 408 Seagle Bldg, University of Florida, Gainesville, Fla. 32601.
- MacRAE, DR. C(ECIL) DUNCAN. Economics. See L-Z Vol, 11th ed, Soc. & Behav. Vols. New position & address: Res. staff, 69-, Urban Institute, 2100 M. St. N.W., Washington, D.C. 20037.
- MacRAE, DR. ELIZABETH CHASE. b. Urbana, Ill, Dec. 11, 40; m. 69. ECONOMICS. A.B. Radcliffe Col, 62; Bushnell fel, Yale, 62-63; Ph.D.(econ), Mass. Inst. Tech, 69. Instr. econ. math. & Eng. Bir-Zeit Col, Jordan, 63-65; ASST. PROF. ECON, MARYLAND, 69- Mathematical and econometric models of economic processes. Publ: Leisure and consumption, In: The theory of optimal economic growth, 67. Address: Dept. of Economics, University of Maryland, College Park, Md. 20742.
- McRAE, PROF. ROBERT JAMES. Physics, History of Science. See Suppl. VI to 11th ed, Phys. & Biol. Vols.

- McREYNOLDS, DR. JANE. Psychology. See L-Z Vol, 11th ed, Soc. & Behav. Vols. New position: Res. psychologist, Hq. U.S. Air Force (AFRDDG), 68-Address: 1200 N. Nash St., Apt. 224, Arlington, Va. 22209.
- McREYNOLDS, DR. PAUL (WYATT). Psychology. See L-Z Vol, 11th ed, Soc. & Behav. Vols. New position: Res. prof. psychol, Nevada, 69-Address: 152 Greenridge Dr, Reno, Nev. 89502.
- MacSPEDDEN, DR. THOMAS R. b. San Francisco, Calif. Aug. 23, 35; m. 65; c. 1. CLINICAL PSYCHOLOGY. B.S. San Francisco, 59; M.A., Pepperdine Col., 62; Ph.D. (psychol), Purdue, 66-Asst. psychol, Pepperdine Col., 61-62; Intern, Logansport State Hosp, Ind., 62-65; student health center, Purdue, 64-65; Instr. psychologist, Ind. Reformatory, Pendleton, 65-66; dir. psychol, YMCA Counseling Serv., Ont., 66-69; CLIN. PSYCHOLOGIST, SAN DIEGO COMMUNITY MENT. HEALTH, 69- U.S.A. 59-61. Psychol. Asn; Group Psychother. Asn. Group psychotherapy with use of videotaping. Address: 3448 Park West Lane, San Diego, Calif. 92117.
- McVEY, DR. RUTH T. Political Science. See L-Z Vol, 11th ed, Soc. & Behav. Vols. New position & address: Lectr. 69-, Dept. of Economics & Politics, School of Oriental & African Studies, University of London, W.C. 1, Eng.
- McWILLIAMS, PROF. MARGARET ANN. Food, Nutrition. See Suppl. VI to 11 11th ed, Phys. & Biol. Vols.
- MACY, BRUCE W(ENDELL). Economics. See L-Z Vol, 11th ed, Soc. & Behav. Vols. New information: Also mgr. regional econ. studies, 69-, Midwest Research Institute, 425 Volker Blvd, Kansas City, Mo. 64110.
- MADDEN, DR. J. PATRICK. Agricultural Economics. See L-Z Vol, 11th ed, Soc. & Behav. Vols. Change of address: Pennsylvania State University, 103 Weaver Bldg, University Park, Pa. 16802.
- MADDEN, COL. JOSEPH M(ATTHEW). U.S.A.F. Psychology. See L-Z Vol, 11th ed, Soc. & Behav. Vols. New information: Also prof. psychol, U.S. Air Force Academy, Colo. 80840.
- MADDI, PROF. SALVATORE R(ICHARD). Psychology. See L-Z Vol, 11th ed, Soc. & Behav. Vols. New position: Prof., 68-, Dept. of Psychology, University of Chicago, Chicago, Ill. 60637.
- MADDOCKS, DR. ROBERT F. b. New York, N.Y., May 9, 30; m. 51; c. 3. EDUCATIONAL PSYCHOLOGY. B.S.B.A., Ohio State, 52; Ed.M., Temple, 62; Ed.D. (ed. psychol), 68. Mgr. training, Radio Corp. Am., 52-57; mgr. training & prinl. prog. dev. conv. 57; Dir. MGT. DEVELOP. PLT. TEL. & TEL. CO., 70- Mem. inst. appl. behav. sci., Nat. Training Labs, 69- Assoc. Psychol. Asn. Group dynamics; training; organization development; management systems. Address: 52 Coopers Run Dr, Cherry Hill, N.J. 08034.
- MADDOX, DR. ROBERT CASEY, b. Birmingham, Ala., Aug. 20, 36; m. 69. MANAGEMENT. B.B.A., Texas, Austin, 61; Nat. Defense Ed. Act, 63-67, Ph.D. (bus. admin), 68. ASST. PROF. mgt., Missouri-Columbia, 67-69; INT. MGT., FLORIDA, 69- Res. grant, Missouri, summer 68; participant, Invitational Workshop Int. Bus., N.Y. Univ. Sept., 68; res. grant, Florida, summer, 70. U.S.A.R. 58-63. Soc. Int. Develop. International management; comparative wage studies in Guatemala; deficiencies of managerial personnel in Latin America; private developmental efforts. Publ. Co-auth. The group executive position: a growing trend, Bus. Topics, autumn 64; auth. The cost of increased behavior reliability, Adv. Mgt. J., 4/65; Management in Latin America: a critical resource for economic development, Univ. Houston Bus. Rev., summer 65. Address: Dept. of Management & Business Law, University of Florida, Gainesville, Fla. 32601.
- MAEHR, PROF. MARTIN J. b. Fairmont, Okla., Oct. 13, 02; m. 31; c. 1. PSYCHOLOGY. B.S. Ed., Okla. State, 38, M.S. Ed., 41; Ph.D. (psychol), Nebraska, Lincoln, 55. Prin. parochial sch., Okla., 30-44; Nebr., 44-52; asst. prof. ed. & psychol, CONCORDIA TEACHERS COL., 52, asst. prof., 53-55, chmn. dept., 55-58, PROF. ED. & PSYCHOL. & DIR. PLACEMENT & TESTING, 55- Consult. Bd. Higher Ed., Lutheran Church, 62-63; Cmn. Ministerial Health, 67- Psychol. Asn; Ed. Res. Asn. Relationship between biblical knowledge, specific belief and certain specific practices. Publ. Bible information secondary level, Bd. Higher Ed., St. Louis, 56; Practice, belief and practice inventory, Concordia, 65; Wer weiss es?, Christian Publ., Stuttgart, 67. Address: Dept. of Education & Psychology, Concordia Teachers College, 800 N. Columbia, Seward, Nebr. 68434.
- MAERTIN, PROF. HARVEY. Business Management. See L-Z Vol, 11th ed, Soc. & Behav. Vols. New position: Assoc. prof. mfg. admin, College of Business Administration, University of Toledo, Toledo, Ohio 43606.
- MAES, DR. WAYNE R. b. Port Huron, Mich., May 6, 32. COUNSELING PSYCHOLOGY. Th.B., Owosso Col., 53; A.B., Central Michigan, 54; M.A., Mich. State, 55, Ph.D. (counseling psychol), 64. Dir. psychol. serv., Lansing Pub. Schs., Mich., 56-61; asst. dir. pupil personnel, 61-62; guid. coordinator, San Diego County Dept. Ed., 62-64; dir. counseling, California Western, 64-65. ASSOC. PROF. COUNSELING PSYCHOL., ARIZONA STATE, 65- Vis. lectr., Mich. State, 58-62; San Diego State Col., 63-64; vis. prof. & tech. adv. Valle, Colombia, 69-; U.S. Off. ed. grant. Consult. Pima-Maricopa Indian Tribe, 67-69; East. Wash. State Col., 68. Chmn. Mich. Curriculum Planning Cmte. Except. Children, 61-62. Psychol. Asn; Personnel & Guid. Asn. Early identification of emotionally disturbed elementary school children; characteristics of the Indian students in public schools; therapeutic reduction of test anxiety in high school students. Publ. Co-auth. Elementary school counseling: a venture in humanness, Bur. Res. Serv., Arizona State Univ., 66; Early identification of emotionally disturbed elementary school children, Except. Children, 66 & The counselor and human freedom, Am. Personnel & Guid. J., 68. Address: 2074 E. Balboa, Tempe, Ariz. 85281.
- MAFFEI, DR. RICHARD BLAISE, b. New York, N.Y., June 12, 23; m. 51. ECONOMICS, MANAGEMENT SCIENCES. S.B. Mass. Inst. Tech., 45; M.A.B.A., Pennsylvania, 48, Ph.D. (econ. statist), 56. Vis. asst. prof. econ. geog. & statist., Washington (Seattle), 54-55; asst. prof. ops. res. & mkt. Mass. Inst. Tech., 55-61, res. assoc. res. & develop. mgt., 61-64; vis. prof. mgt. & comput. sci., Dartmouth Col., 66-67; prof. comput. sci. & bus. policy, BOSTON COL., 67-69, ASSOC. DEAN GRAD. SCH. MGT., 69- Vpres. H.N. Shycon Co., 58-62; mgr. Auerbach Assoc., 65-66; consult., Dept. Ed., Gov. Reorgn. Study Group; Dept. Ment. Health & Dept. Commerce & Develop., Commonwealth of Mass., 66- U.S.N.R., 44-46, 48-50; Lt. (jg). Design of top management information systems; innovation and new business formation and financing; economic growth. Publ. Simulation, sensitivity and management decision rules, J. Bus., 58 & Brand preferences and Markov processes, J. Oper. Res. Soc., 60; co-auth. Simulation: tool for better distribution, Harvard Bus. Rev., 60. Address: Graduate School of Management, Boston College, Chestnut Hill, Mass. 02167.
- MAGARO, DR. PETER ANTHONY. Psychology. See L-Z Vol, 11th ed, Soc. & Behav. Vols. New position: Assoc. prof. psychol, Maine, 68- Address: 23 Ohio St., Bangor, Maine 04401.
- MAGDA, PROF. LOUIS S. b. Besenyotelek, Hungary, Aug. 18, 19; U.S. citizen; m. 52; c. 1. ECONOMICS. Dr. (econ), Jozsef Nador Univ., Budapest, 49. Teacher econ. & bus., Budapest, 46; asst. prof. econ., Jozsef Nador Univ., 46-54; head dept. finance, Búffe Vallalat, 54-56; laborer, Grabler Mig. Co., Cleveland, Ohio, 57-59; painter, Huron Road Hosp., 59-64; teacher, high schs., Ohio, 64-66; asst. prof. ECON., MOREHEAD STATE, 66-69, PROF., 69- Econ. Asn. History of economic theories; comparative economic systems. Address: Dept. of Economics, P.O. Box 917, Morehead State University, Morehead, Ky. 40351.
- MAGDEN, DR. RONALD EARNST. Modern History. See 5th ed, Dir. Am. Scholars, Vol. I, Hist.
- MAGEE, PROF. RICHARD D(AVID). b. Bucks Co., Pa., July 12, 33; m. 56; c. 2. PSYCHOLOGY. B. Temple, 55; A.M., 57, Ph.D. (psychol), 64. From asst. prof. to assoc. prof. PSYCHOL., Lebanon Valley Col., 61-68; PROF. & CHMN. DEPT., INDIANA UNIV. PA., 68- Med. res. scientist, Harrisburg State Hosp., 68. Psychol. Asn. Correlates of delinquent behavior; mental health programs; behavior modification. Address: Dept. of Psychology, Indiana University of Pennsylvania, Indiana, Pa. 15701.
- MAGGS, PROF. PETER BLOUNT. Soviet & East Central European Law. See 5th ed, Dir. Am. Scholars, Vol. IV, Philos., Relig. & Law.
- MAGNUSSEN, DR. MAX GENE. Clinical Psychology. See L-Z Vol, 11th ed, Soc. & Behav. Vols. New position & address: Chief psychologist, 68-, Pittsburgh Child Guidance Center, 201 De Soto St., Pittsburgh, Pa. 15213.
- MAGRATH, DEAN C(LAURENCE) PETER. Political Science, History. See L-Z Vol, 11th ed, Soc. & Behav. Vols. New position: Dean faculties, 69-, University of Nebraska, 106 Love Library, Lincoln, Nebr. 68508.
- MAGUIRE, DR. DANIEL C. Christian Ethics. See 5th ed, Dir. Am. Scholars, Vol. IV, Philos., Relig. & Law.
- MAHAJANI, PROF. USHA GANESH. International Relations. See L-Z Vol, 11th ed, Soc. & Behav. Vols. New position: Prof., 69-, Dept. of Political Science, Central Washington State College, Ellensburg, Wash. 99826.
- MAHAL, DR. BARBARA K. b. Bloomfield, N.J., Jan. 19, 36; m. 61; c. 1. PSYCHOLOGY. B.A., Montclair State Col., 57; M.Ed., Rutgers, 61, Ed.D. (sch. psychol), 66. Sch. psychologist, North Brunswick Bd. Ed., N.J., 63-65; Hillsborough Bd. Ed., 66-69, dir. summer inst., 69, SCH. PSYCHOLOGIST, CHESTER RD. ED., 69. Consult. summer insts., Sayreville Bd. Ed., N.J. 66. Psychol. Asn. Rigidity and flexibility as related to underachievement. Address: 707D Donaldson St., Highland Park, N.J. 08904.
- MAHAN, SISTER M. BRIAN (JO ANN). Sociology. See L-Z Vol, 11th ed, Soc. & Behav. Vols. New information: On leave from Mt. Marty Col. as behav. res. analyst, Calif. Youth Authority, 70-71. Address: 1350 Pacific, Cayucos, Calif. 93403.
- MAHER, DEAN BRENDAN A(RNOLD). Psychology. See L-Z Vol, 11th ed, Soc. & Behav. Vols. New position: Salvage prof. psychol. & dean, 69-, Graduate School of Arts & Sciences, Brandeis University, Waltham, Mass. 02154.
- MAHER, DR. FREDERICK J(OSEPH), JR. b. New Haven, Conn., May 21, 30; m. 56; c. 5. SOCIOLOGY. B.A., Yale, 52; Ph.D. (sociol), Columbia, 68. Instr. SOCIOL., New Hampshire, 57-58; from instr. to asst. prof., Vermont, 58-66; ASSOC. PROF. ST. MICHAEL'S COL. (Vt.), 66- U.S.A., 52-54. Sociol. Asn; Pop. Asn. Am. Vermont elections and population. Address: Dept. of Sociology, St. Michael's College, Winooski, Vt. 05404.
- MAHER, DR. JOHN E(DWARD). Economics. See L-Z Vol, 11th ed, Soc. & Behav. Vols. New information: Managing ed. J. Econ. Ed. Address: Joint Council on Economic Education, 1212 Avenue of the Americas, New York, N.Y. 10036.
- MAHLER, DR. WALTER R., JR. b. Butte, Mont., Feb. 3, 42. ECONOMICS. B.A., Oberlin Col., 64; Ph.D. (econ), Syracuse, 69. ASST. PROF. ECON., GRINNELL COL., 69- Econ. Asn. Public finance; money and banking; economic development. Publ. Sales and excise taxation in India, Orient Longmans, 70. Address: Dept. of Economics, Grinnell College, Grinnell, Iowa 50112.
- MAHMOUDI, DR. JALIL. Sociology, Persian Language. See 5th ed, Dir. Am. Scholars, Vol. III, For. Lang., Ling. & Philol.
- MAIER, DR. FRANK (HERMAN). Economics. See L-Z Vol, 11th ed, Soc. & Behav. Vols. New information: Ph.D., Chicago, 69. Address: 1724 Kathryn Dr., Tallahassee, Fla. 32303.

- MAJESTY, LT. COL. MELVIN (SIDNEY), U.S.A.F. Psychology. See L-Z Vol. 11th ed, Soc. & Behav. Vols. Change of address: P.O. Box 35446, Brooks Air Force Base, Tex. 78235.
- MAKI, DR. DENNIS RUDOLF, b. Cloquet, Minn., May 9, 38; m. 56; c. 3. ECONOMICS. B.A. Minnesota, Duluth, 64; Nat. Defense Act, Iowa State, 64-67, Ph.D.(econ), 67. ASST. PROF. ECON. SIMON FRASER UNIV., 67-Res. economist, Econ. Coun. Can., 70. Nat. Guard, 56-64, S/Sgt. Econ. Asst.; Indust. Rel. Res. Asst.; Can. Oper. Res. Manpower planning; human resources development; economics of health. Publ: A forecasting model of manpower requirements in the health occupations, Iowa State Univ., 67; A programming approach to manpower planning, Indust. & Labor Rel. Rev., 4/70. Address: Dept. of Economics, Simon Fraser University, Burnaby 2, B.C., Can.
- MALCOLM, PROF. NORMAN. Philosophy. See 5th ed, Dir. Am. Scholars, Vol. IV, Philos. Relig. & Law.
- MALEC, DR. MICHAEL ANTHONY, b. Chicago, Ill., Nov. 8, 40; m. 65; c. 1. SOCIOLOGY, SOCIAL PSYCHOLOGY. B.S. Loyola (Ill.), 62; M.S. Purdue, 65, Ph.D.(sociol), 68. Instr. SOCIOL, Bowdoin Coll., 66-68; ASST. PROF. BOSTON COL., 68- Nat. Sci. Found. grant, 69-70. Social. Asn. Reference group in influences on high school completion. Publ: Some observations on the content of Crisis, 1932-62. Phylon, 67; co-auth. Family interaction, achievement values, academic self-concept and dropping out of high school, Social. Focus, 69. Address: Dept. of Sociology, Boston College, Chestnut Hill, Mass. 02167.
- MALECKI, DR. EDWARD STANLEY, JR. b. Chicago, Ill., Nov. 16, 38; m. 62; c. 1. POLITICAL SCIENCE. A.B. Illinois, 61, LL.B., 63, M.A., 65, univ. fel., summer 65; Charles Merriam fel., 66-67, Ph.D.(polit. sci.), 69. ASST. PROF. POLIT. SCI. & ASST. CHMN. DEPT., CALIF. STATE COL. LOS ANGELES, 67. Consult, Foothill Br. South. Calif. Urban League, 69-70. Mem. orgn. cmt. for west. caucus, Caucus for a New Polit. Sci., 69. Polit. Sci. Asn. Social. Asn. Methodology; political sociology, economy and behavior; empirical theory; public policy. Publ: Co-auth. Group politics, Scribners, 71. Address: Dept. of Political Science, California State College at Los Angeles, Los Angeles, Calif. 90032.
- MALENBAUM, DR. HELEN (RAFFEL), b. New York, N.Y., Sept. 26, 28; m. 67; c. 5. ECONOMICS. B.S. Polytech. Col., 48; Ph.D.(chem. Polytch.), 52. Brooklyn, 53; Ph.D.(econ), Columbia, 63. Asst. prof. ECON, Pennsylvania, 63-69; ASSOC. PROF. DREXEL, 69- Econ. Asn. Statistical mechanical theory of transport processes in liquids; linear programming study of industrial capacity balance; solid waste disposal; economy of China. Publ: Co-auth. Statistical mechanical theory of transport processes in liquids, J. Chem. Physics, 54, 55, 58; auth. Capacity balance in the chemical industry, Essays Indust. Econom., 70. Address: Dept. of Economics, Drexel University, Philadelphia, Pa. 19104.
- MALEY, DR. MICHAEL J. b. Chicago, Ill., June 18, 38; m. 61. PSYCHOLOGY. B.S. Mass. Inst. Tech., 61; Ph.D.(psychol), Minnesota, 67. Fel. Nat. Inst. Ment. Health, 67-68; training & res. fel. PSYCHOL. MACALESTER COL., 68-69, ASST. PROF., 69. Psychol. Asn.; Animal Behav. Soc. Aggressive behavior patterns in vertebrates; electrical brain stimulation of species-typical behavior in vertebrates. Address: Dept. of Psychology, Macalester College, St. Paul, Minn. 55101.
- MALIK, DR. YOGENDRA KUMAR, b. Lypalpur, India, May 24, 27; m. c. 2. POLITICAL SCIENCE. B.A. Punjab, India, 49, M.A., 52; M.A., Florida, 63, summers, univ. fel., 63-65, Caribbean fel., 65, Asia Soc. N.Y. fel., 65, Ph.D.(polit. sci.), 66. Instr. soc. sci. Florida, 64-66; asst. prof. POLIT. SCI., Southwest Texas State, 66-69; ASSOC. PROF. AKRON, 69- Lectr. Punjab, India, 52-62. Polit. Sci. Asn. Political parties and elite recruitment in multi-ethnic societies; community power structure and caste organization in India. Publ: Introduction to political science, Atma Ram, Delhi, 58; Agencies of political socialization and ethnic identification in Trinidad, Sociol. Bull., 9/69; Socio-political perceptions and attitudes of East Indian elites in Trinidad, West. Polit. Quart., 9/70. Address: Dept. of Political Science, University of Akron, Akron, Ohio 44304.
- MALKIN, PROF. DAVID. Psychology. See L-Z Vol. 11th ed, Soc. & Behav. Vols. New position: Prof. N.Y. Univ., 69- New publ: Vocational rehabilitation of the disabled: an overview, N.Y. Univ., 69. Address: 40 Walker Ave., Rye, N.Y. 10580.
- MALIN, DR. MORTON VICTOR, b. New York, N.Y., Jan. 21, 22; m. 47; c. 3. INTERNATIONAL RELATIONS, HISTORY. A.B. Chattanooga, 43; M.A., Vanderbilt, 47; fel. Maryland, 49-51, Ph.D.(hist), 54. Res. assoc. Aberdeen Res. Staff, Pittsburgh, 54-56; field correspondent, ops. eval. group, Mass. Inst. Tech., 56-59; sr. res. assoc., Edgewood Res. Proj., Pittsburgh, 59-61; spec. asst. off. sci. info. serv. Nat. Sci. Found., 61-62, staff asst. off. econ. & manpower studies, 62-66; dir. CORP. PLANNING & INT. RELS. INST. SCI. INFO., 66-68, V.PRES., 68- Lectr. Chattanooga, 48-49; Maryland, 55-57; Montgomery Jr. Col., 60-62, 64-65, Intel. C. U.S.A., 42-45, Res., 45-, Lt. Col. AAAS, Soc. Info. Sci. Int. Studies; Asn. Development of new systems for information processing and retrieval; the use of citation data in studying the history and the growth of science. Publ: The science citation index: a new concept in indexing, Libr. Trends, 1/68; co-auth. Diagonal display—a new technique for graphic presentation of network diagrams, Trans. Am. Asn. Cost Engr., 69. Address: Institute for Scientific Information, 325 Chestnut St., Philadelphia, Pa. 19106.
- MALLET, DR. JOHN (JACQUES). Psychology. See L-Z Vol. 11th ed, Soc. & Behav. Vols. New information: Practicing clin. psychologist, 69- Address: 3312 Piedmont Rd. N.E., Atlanta, Ga. 30305.
- MALLICK, DR. SHAHBAZ KHAN. Psychology, Education. See L-Z Vol. 11th ed, Soc. & Behav. Vols. New position & address: Dir. child development & Montessori ed., 69-, Xavier University, Cincinnati, Ohio 45207.
- MALLINSON, PROF. THOMAS (JOHN), b. Calgary, Alta., May 27, 19; m. 48; c. 4. COMMUNICATIONS. B.A. British Columbia, 46; M.A., Columbia, 48; Ph.D.(psychol), Toronto, 54. Res. assoc. psychol. Toronto, 48-54, clin. teacher psychiat., 54-65; assoc. prof. COMMUN. SIMON FRASER UNIV., 65-67, PROF., 67- Chmn. Can. Asn. Human Rel. Trainers, 63-66; mem. Inst. Appl. Behav. Sci. Psychol. Asn. Interpersonal dynamics. Address: Centre for Communications and the Arts, Simon Fraser University, Burnaby 2, B.C., Can.
- MALLORY, DR. FREDERICK CRENSHAW. Philosophy, Religion. See 5th ed, Dir. Am. Scholars, Vol. IV, Philos. Relig. & Law.
- MALLOY, DR. THOMAS A., JR. Sociology, Cultural Anthropology. See L-Z Vol. 11th ed, Soc. & Behav. Vols. New information: Also coordinator soc. work ed., 69-, Dept. of Sociology & Psychology, Ferris State College, Big Rapids, Mich. 49307.
- MALMGREN, PROF. HARALD (BERNARD). Economics. See L-Z Vol. 11th ed, Soc. & Behav. Vols. New position & address: Sr. fel., 69-, Overseas Development Council, 1717 Massachusetts Ave. N.W., Washington, D.C. 20036.
- MALONE, DR. DAVID HALE, b. Los Angeles, Calif., Dec. 8, 30; m. 57; c. 3. SOCIOLOGY. B.A. Tulane, 52; B.S. South. Cal. Fed., fel., 60, Ph.D. (sociol), 62. Instr. SOCIOL, NORTH TEXAS STATE, 61-62, asst. prof., 62-65, ASSOC. PROF., 65- Med. Serv. C. U.S.A., 54-57. Fel. Sociol. Asn.; Soc. Study Social Probs. Sociology of professions and occupations; adult socialization; industrial sociology; occupational values; ascribed status in occupational structures; formal organization. Publ: Co-auth. Medical students' attitudes toward teachers and patients, J. Med. Ed., 60; auth. Reciprocal role-conceptions among trainees in allied professions, 65 & co-auth. Professional orientation and bureaucratic forms, 69. Proc. Southwest. Sociol. Asn. Address: 1311 Kendolph Dr., Denton, Tex. 76201.
- MALONE, DR. JOSEPH LAWRENCE. Linguistics. See 5th ed, Dir. Am. Scholars, Vol. III, For. Lang. Ling. & Philol.
- MALONE, DR. PAUL EDWARD, b. Baytown, Tex., Mar. 26, 40; m. 61; c. 3. EXPERIMENTAL PSYCHOLOGY. B.A. Rice, 62; Nat. Inst. Dent. Res. fel., Houston, 64-68, M.A., 67, Ph.D.(psychol), 69. ASST. PROF. PSYCHOL., TEXAS, ARLINGTON, 68- AAAS. Environmental comparative investigations of learning. Address: Dept. of Psychology, University of Texas at Arlington, Arlington, Tex. 76010.
- MALONE, DR. ROBERT L (COLIN). Industrial & Engineering Psychology. See L-Z Vol. 11th ed, Soc. & Behav. Vols. New position: Assoc. prof. mgt., Loyola (Ill.), 69- Address: 3900 Johnson Ave., Western Springs, Ill. 60558.
- MALONEY, DR. JOAN (MARIE). Modern History. See 5th ed, Dir. Am. Scholars, Vol. I, Hist.
- MALONEY, DR. MICHAEL P. b. Los Angeles, Calif., Aug. 13, 40; m. 65; c. 1. CLINICAL & SOCIAL PSYCHOLOGY. B.A. Calif. State Col., Los Angeles, 63, M.S., 65; U.S. Pub. Health Serv. fel., Colorado, 66-66, M.A., 67, Ph.D. (clin. psychol), 68. Tech. asst. mgr. animal lab., Calif. State Col. Los Angeles, 63-65; teaching asst. psychol., Colorado, 66-67; psychol. assoc., PACIFIC STATE HOSP., 67-69, SR. PSYCHOLOGIST, 69-; FEL. CLIN. PSYCHOL., LOS ANGELES COUNTY-UNIV. SOUTHERN CALIFORNIA MED. CENTER, 69- Res. fund grant, Pacific State Hosp., 67-68; vis. prof., Univ. Alaska, summer 69. Psychol. Asn. Cross-cultural personality research; evaluation of perceptual-motor training systems; role of general intelligence in nature and treatment of psychiatric illness. Publ: The question of achievement in the Japanese American, Psychologia, 11: 143-158; Validity of the draw-a-person test as a measure of body image, Perceptual & Motor Skills, 29: 119-122; Analysis of the generalizability of sensory-motor training, Am. J. Ment. Deficiency, 74: 458-469. Address: Psychology Dept., Pacific State Hospital, P.O. Box 100, Pomona, Calif. 91766.
- MALONY, DR. H. NEWTON, b. Birmingham, Ala., May 17, 31; m. 53; c. 3. PSYCHOLOGY. A.B. Birmingham-South. Col., 52; B.D., Yale, 55; M.A., George Peabody Col., 61, Nat. Insts. Health fel., 61-63, Ph.D.(clin. psychol), 64. Minister, N.A.A. Conf. Methodist Church, 55-59; chaplain, Davidson County Psychiat. Hosp., Nashville, Tenn., 59-61; intern clin. psychol., Topeka State Hosp., Kans., 63-64; dir. psychol., Frankfort State Hosp., Ky., 64-65; # from assoc. prof. to prof. PSYCHOL., Tenn. Wesleyan Col., 65-70; ASSOC. PROF., GRAD. SCH. PSYCHOL., FULBRIGHT THEOL. SEM., 70- Consult, McMin. Ment. Health Center, Athens, Tenn., 67- Mem. relig. nurture cmt., Nat. Asn. Retarded Children, 64-70. Chaplain, Nat. Guard, 58-64. AAAS; Psychol. Asn.; Asn. Pastoral Couns. Personality; psychology of religion; race relations; psychological assessment; achievement motivation; social psychology. Publ: Co-auth. An attempt to establish a secondary drive on the basis of a primary appetitional drive, Psychol. Reports, 13: 263-288; auth. Assisting the unachieving college student, Col. & Student Personnel Abstracts (in press); Good news had news for church business administrators, Church Mgt. (in press). Address: 177 N. Madison Ave., Pasadena, Calif. 91101.
- MALOOF, PROF. LOUIS (JOSEPH). Sociology, Anthropology. See L-Z Vol. 11th ed, Soc. & Behav. Vols. Change of address: P.O. Box 64, Warrensburg, Mo. 64093.
- MALON, DR. JAMES H (AROLD). Economics, Political Science. See L-Z Vol. 11th ed, Soc. & Behav. Vols. New position: V-pres. econ. planning, Columbia Gas Syst., Inc., 69- Address: 120 E. 41st St., New York, N.Y. 10017.
- MALPASS, DR. LESLIE F (FREDERICK). Psychology. See L-Z Vol. 11th ed, Soc. & Behav. Vols. New position: V-pres. acad. affairs, Va. Polytech., 68- Address: 1332 Highland Ave., Blacksburg, Va. 24060.
- MALPASS, DR. ROY S (SOUTHWELL). Social Psychology. See L-Z Vol. 11th ed, Soc. & Behav. Vols. Change of address: 802 Dogwood Dr., Champaign, Ill. 61820.

- MAMMEN, DR. THAMPY, b. Kerala, India, Apr. 19, 32; m. 67; c. 1. ECO-NOMICS. M.A. Kerala, 56; M.A. Pennsylvania, 63, Ph.D.(econ), 67. Tech. asst. res. Directorate Econ. & Statist. Ministry Govt. & Agr. Govt. India, 57-58 & 59-60, res. invest. 60-62; instr. ECON. Gannon Col. 65-67, ASST. PROF. 67-68; ST. NORBERT COL., 68- Econ. Assn; Economet. Soc. Econo-metric studies in international trade and monetary theory. Publ: Co-auth. A note on Friedman's theory of demand for money, Univ. Pa. 65. Address: Dept. of Economics, St. Norbert College, West De Pere, Wis. 54178.
- MANDEL, DR. IRWIN J. b. New York, N.Y., Dec. 22, 27; m. 50. EXPERI-MENTAL PSYCHOLOGY. B.S. Columbia, 59, M.A. 60; Ph.D.(psychol.) Yeshiva, 65. Res. asst. neurol. Albert Einstein Col. Med. 60-62, PSYCHIAT, 62-63, instr. 63-66, asst. prof. 66-69; ASSOC. PROF. QUEENS COL.(N.Y.), 69- Fel, Albert Einstein Col. Med. 62-63; lectr. City Col. New York & Col-umbia Univ. 65, Yeshiva Univ. 66, Queens Col.(N.Y.) 66-69. U.S.N. 45-48. Psychol. Assn; Pavlovian Soc. N.A.M.; Soc. Psychophysiol. Res. Psychophar-macology; psychophysiology. Publ: Co-auth. Cognitive factors in GSR gen-eralization to verbal stimuli. Proc. Am. Psychol. Assn. 67, Interaction between instructions and ISI in conditioning and extinction of the GSR, J. Exp. Psy-chol. 73: 36-43 & The effects of dimethoxyphenylethylamine and mescaline on classical conditioning in rats as measured by the potentiated startle re-sponse, Life Sci. 6: 775-781. Address: Dept. of Psychology, Queens College, Flushing, N.Y. 11367.
- MANDELL, MILTON M(ICHAE). Social Science. See L-Z Vol. 11th ed, Soc. & Behav. Vols. New position: Staff asst., U.S. Internal Revenue Serv, 69- Address: 700 Seventh St. S.W., Washington, D.C. 20024.
- MANDLE, DR. JAY R. b. New York, N.Y. Nov. 16, 41; m. 65; c. 1. ECO-NOMIC HISTORY. B.A. Pennsylvania, 63, Ph.D.(econ. hist), 69; M.A. Michi-gan, 64. Asst. lectr. ECON. Univ. West Indies, 66-67; instr. TEMPLE, 67-69, ASST. PROF. 69- Econ. Assn; Econ. Hist. Assn; Pop. Assn. Am. Eco-nomic-demographic interrelations in the economic history of Guyana. Publ: Neo-imperialism: Soc. & Econ. Studies, 9/67; The economic mortality in British Guyana, 1911-1960, Demography, 8/70; Population and eco-nomic change: the emergence of the rice industry in Guyana, 1895-1915, J. Econ. Hist. 12/70. Address: Dept. of Economics, Temple University School of Business Administration, Philadelphia, Pa. 19122.
- MANES, PROF. CHARLES V. b. Dallas, Tex. Nov. 18, 17; m. 40; c. 2. ECO-NOMICS. B.A. Texas, 40; M.A. Hardin-Simmons, 48; Ed.D. Denver, 59. Assoc. prof. ECON. Oklahoma Baptist, 48-52; U.S. Air Force Acad. 54-59; George Washington, 63-67; PROF. DALLAS BAPTIST COL. 67- Pres. Inter-Am. Acad. Assocs. Inc. 69- U.S.A.F. Col. Econ. Assn. Economic develop-ment; monetary and fiscal policy of developing nations. Address: Dept. of Economics, Dallas Baptist College, Dallas, Tex. 75211.
- MANGELS DORF, DR. JOHN E(LLIS). Psychology. See L-Z Vol. 11th ed, Soc. & Behav. Vols. Change of address: 19371 Titus Court, Saratoga, Calif. 95070.
- MANGOUNI, DR. ANAHID APELIAN, b. Beirut, Lebanon, Aug. 21, 32; U.S. citizen; m. 64; c. 1. PSYCHOLOGY. B.A. American Univ. Beirut, 53; Merrill-Palmer Inst. 54-55; M.A. Michigan, 56, Ph.D.(ed. psychol), 63. Res. asst. psychol. American Univ. Beirut, 56-57; asst. prof. Beirut Col. Women, 58-64; lectr. ed. Michigan, 64-65; vis. prof. Miami (Fla), 65; INSTR. PSY-CHOL. RUSSELL SAOE COL. 66- Instr. Haigian Col. Lebanon, 56-59; Eastern Michigan, 64-65; vis. lectr. State Univ. N.Y. Albany, 67. Psychol. Assn. Human growth and development; personality. Address: 96 Berwick Rd, Delmar, N.Y. 12054.
- MANGUM, PROF. GARTH L(EROY). Economics, Political Science. See L-Z Vol. 11th ed, Soc. & Behav. Vols. New position & address: McGraw prof. econ. & dir. human resources inst. 69-, University of Utah, 413 College of Business Office Bldg, Salt Lake City, Utah 84112.
- MANHEIMER, DR. ERIC I. History. See 5th ed, Dir. Am. Scholars, Vol. I, Hist.
- MANLEY, DR. WILLIAM TANNER. Agricultural Economics & Marketing. See L-Z Vol. 11th ed, Soc. & Behav. Vols. New position: Acting dir. mkt. econ. div. 68-, Economic Research Service, U.S. Dept. of Agriculture, Wash-ington, D.C. 20250.
- MANN, PROF. CHARLES E. b. Colorado Springs, Colo, May 5, 26; div. c. 1. ANTHROPOLOGY. B.A. Mexico City Col. 57, M.A. 58; fel. Nat. Sch. Anthropol. & Hist. Mex. 58-59; Ph.D.(anthrop), Stanford, 65. Res. asst. AN-THROP. Stanford, 62; asst. prof. San Diego State Col. 62-66, assoc. prof. 66-67; UNIV. OF THE AMERICAS, 67-69, PROF. 69-, CHMN. DEPT. 67- U.S.N.R. 44-46, 49-55. Anthropol. Assn; Soc. Appl. Anthropol. Linguistics culture change, social organization, archeology and ethnology, especially in Mesoamerica. Address: Dept. of Anthropology, University of the Ameri-cas, Mexico 10, D.F. Mex.
- MANN, SISTER JACINTA, S.C. Statistics. See L-Z Vol. 11th ed, Soc. & Behav. Vols. New position: Acad. dean, 68-, Seton Hill College, Greensburg, Pa. 15601.
- MANN, DR. JUSTINE S(TAIB), b. Sycamore, Ohio, Jan. 26, 16; m. 37; c. 3. POLITICAL SCIENCE. B.A. Tulane, 40; M.A. Alabama, 63, Ph.D.(polit. sci), 66. Teacher, Meridian, Miss. pub. schs. 58-60; asst. prof. POLIT. SCI., Arkansas State, 65-68; ASSOC. PROF. & HEAD DEPT., GA. SOUTH. COL. 68- Polit. Sci. Assn. Judicial biography; role of research in political science; problem-solving in the federal system. Publ: Teaching social studies in junior high, Meridian, Miss. Pub. Schs. 59; The political thought of John Archibald Campbell: the formative years, Ala. Law. Rev. Spring 70. Address: P.O. Box 2011, Statesboro, Ga. 30458.
- MANN, DR. MAURICE. Economics. See L-Z Vol. 11th ed, Soc. & Behav. Vols. New position & address: Asst. dir. 69-, Bureau of the Budget, Execu-tive Office Bldg, Washington, D.C. 20503.
- MANNE, PROF. HENRY GIRARD, b. New Orleans, La., May 10, 28; m. 68. LAW, ECONOMICS. B.A. Vanderbilt, 50; J.D. Chicago, 52; LL.M. Yale, 53, S.J.D. 66. Asst. prof. LAW, St. Louis, 56-57; Wisconsin, 57-59; St. Louis, 59-61, assoc. prof. 61-62; George Washington, 62-63, prof. 63-68; KENAN PROF. ROCHESTER, 68- Guest lectr. State Univ. N.Y. Buffalo, Georgetown, Chicago, Columbia, Virginia, Pisa, Strasbourg, Rochester, Hopkins, Securities & Exchange Cmn. & Motorola Exch. Inst. Chmn. spec. cmt. Supreme Court decisions, Assn. Am. Law Schs. 64-65, bus. asn. round table & joint cmt. Assn. Am. Law Schs. & Am. Econ. Assn. 66-68. U.S.A.F. 54-56, Capt. Bar Assn; Econ. Assn; Law & Soc. Assn. Integration of law and economics in the fields of corporation law and government regulation of business. Publ: Insider trading and the stock market, Free Press, 66; Supplementary cases and material for business association II, Lerner Law, 67; Economic policy and the regulation of corporate securities, Am. Enter-prise Inst. Pub. Res. 69. Address: Dept. of Political Science, University of Rochester, Rochester, N.Y. 14627.
- MANNERS, DR. GEORGE E. Business Administration, Accounting. See L-Z Vol. 11th ed, Soc. & Behav. Vols. New position: Asst. v-pres, 69-, Georgia State University, 33 Gilmer St. S.E., Atlanta, Ga. 30303.
- MANNING, PROF. SARAH LYDIA, b. Buffalo, N.Y. Feb. 19, 21. ECONOMICS. B.S. Buffalo State Teachers Col. 42; M.S. Cornell, 49, Ph.D.(econ), 60. Teacher, high sch., N.Y. 44-44; supv. house corner, Thomas Indian Sch., Iroquois, N.Y. 44-47; asst. home econ. Cornell, 47-49, asst. prof. home mgt. & family econ. & exten. specialist, 52-56; instr. home econ. Iowa State Teacher's Col. 49-52; assoc. prof. HOME MGT. & FAMILY ECON., PURDUE 59-67, PROF. & HEAD DEPT. 67- Summers, vis. prof. Montana, 61; Utah State, 63. Home Econ. Assn; Econ. Assn. Family income dependability or fluctuations and the effect of these on management of other economic re-sources in the family. Publ: Time use in household tasks by Indiana fam-ilies, Res. Bull. Purdue, 68 & Financial management practices of families with steady or fluctuating incomes, AES Bull. 997, Cornell; Family budgets, In: Grolier's universal encyclopedia, Grolier, Inc. 69. Address: Dept. of Home Management & Family Economics, Purdue University School of Home Economics, Lafayette, Ind. 47907.
- MANNINO, DR. FORTUNE VINCENT. Social Work, Social Science. See L-Z Vol. 11th ed, Soc. & Behav. Vols. New information: Also assoc. prof. fam-ily & community develop. Univ. Maryland, 69- Address: Mental Health Study Center, 2340 University Blvd. E, Adelphi, Md. 20783.
- MANSBACH, DR. RICHARD W(ALLACE). Political Science. See L-Z Vol. 11th ed, Soc. & Behav. Vols. New position & address: Asst. prof. 69-, Dept. of Political Science, Rutgers, The State University, New Brunswick, N.J. 08903.
- MANSON, DR. ALLISON RAY. Mathematical Statistics. See 11th ed, Phys. & Biol. Vols. & Suppl. VI.
- MANSON, DR. JULIUS J. Economics. See L-Z Vol. 11th ed, Soc. & Behav. Vols. New position: Prof. mgt. City Univ. N.Y., 69- Address: 14 Stuyvesant, Oval 6F, New York, N.Y. 10009.
- MANTEL, DR. SAMUEL JOSEPH, JR. Economics. See L-Z Vol. 11th ed, Soc. & Behav. Vols. New position & address: Prof. mgt. & quantitative anal. 69-, Dept. of Management, College of Business Administration, Uni-versity of Cincinnati, Cincinnati, Ohio 45221.
- MANTHY, DR. ROBERT SIGMUND. Forest Economics. See L-Z Vol. 11th ed, Soc. & Behav. Vols. Correction: Assoc. prof. forest econ. 66-, Dept. of Forestry, Michigan State University, East Lansing, Mich. 48823.
- MANUS, DR. GERALD (RWIN). Psychology. See L-Z Vol. 11th ed, Soc. & Behav. Vols. New position & address: Assoc. prof. 68-, Hofstra University, Hempstead, N.Y. 11550.
- MANVEL, ALLEN D(AILEY). Statistics. See L-Z Vol. 11th ed, Soc. & Behav. Vols. New position: Asst. dir. Adv. Cmn. Intergovt. Rel. 69- Address: 6221 Western Ave. N.W., Washington, D.C. 20015.
- MARANDA, DR. ELLI-KALIA K. b. Tervola, Finland, Jan. 11, 32; m. 63; c. 2. ANTHROPOLOGY. Fel. Helsinki, 50-54, M.A. 54, Mag. Phil. 55; Ph.D. In-diana, 63. Lectr. Finster, Columbia, 61-62; res. assoc. center cognitive studies, Harvard, 63-64; sr. scholar ANTHROP. Ed. Serv. Inc. 64-65; scholar, Radcliffe inst. Harvard, 65-67, fel. 67-68; for. assoc. soc. anthropol. hab. Col. de France, 68-69; lectr. BRITISH COLUMBIA, 69-70, ASST. PROF. 70- Sr. curriculum consult. Ed. Serv. Inc. Mass. 65-66; faculty rep. soc. sci. curriculum cmt. Dept. Ed. B.C. 69- Am. Anthropol. Assn; Can. Sociol. & Anthropol. Assn; Finnish Lit. Soc. Finn-Ugric Soc. Structural analysis of myth and other verbal arts including riddle; developing a theory for a transformational anal-ysis of oral literature; linguistics, especially semantics; computer analysis of Melanesian oral literature; position of women in tribal society. Publ: Fin-nish folklore reader and glossary, Indiana Univ. 68; co-auth. Structural models in folklore and transformational essays, Mouton, 70 & Structural analysis of oral tradition, Univ. Pennsylvania, 70. Address: Dept. of Anthro-pology & Sociology, University of British Columbia, Vancouver 8, B.C. Can.
- MARANDA, DR. PIERRE. Social Anthropology, Ethnology. See L-Z Vol. 11th ed, Soc. & Behav. Vols. New position & address: Assoc. prof. 69-, Dept. of Anthropology & Sociology, University of British Columbia, Van-couver 8, B.C. Can.
- MARCELL, DR. DAVID W. American Studies. See 5th ed, Dir. Am. Scholars, Vol. I, Hist.
- MARCH, DR. ANDREW L(EE). Geography. See L-Z Vol. 11th ed, Soc. & Behav. Vols. New position & address: Asst. prof. 69-, Dept. of Anthropol-ogy, Queens College, Flushing, N.Y. 11367.

- MARCH, DR. JAMES G(ARDNER). Behavioral Science. See L-Z Vol, 11th ed, Soc. & Behav. Vols. New position & address: David Jacks prof, higher ed. & polit. sci, 70-, School of Education, Stanford University, Stanford, Calif. 94305.
- MARCUS, DR. MILDRED RENDL, b. New York, N.Y., May 30, 28; m. 56. ECONOMICS. B.S. N.Y. Univ. 46, M.B.A., 50; Bernice Brown Cronkwhite fel, Radcliffe Col, 50-51, Ph.D.(econ), 54. Asst. economist, Gen. Elec. Co, 52-56; economist, Bigelow Sanford Co, 56-58; Ann Radcliffe econ. res. fel, tropical Africa, 58-59; lectr. econ, Hunter Col, 59-60; Columbia, 60-61; sr. economist, int. div, Nat. Indust. Conf. Bd, 63-64; asst. prof. ECON, grad. sch. bus. admin, Pace Col, 64-66; ASSOC. PROF. MANHATTAN COMMUNITY COL, 66. Nat. Acad. Sci., Nat. Res. Coun. grad. 59. Consult, UN Conf. Trade & Develop, 66; mem. bd. dirs, New York Coun. Econ. Ed, 70-73. Econ. Asn. Economic development of less developed countries; economic planning, comparative with East Europe, particularly Czechoslovakia; economic education in an urban setting. Publ: Co-auth, Investment and development possibilities in tropical Africa, Bookman, 60; International trade and development & Monetary and banking theory, Pitman, 65. Address: Dept. of Social Science, Manhattan Community College, 134 W. 51st St, New York, N.Y. 10022.
- MARCUSE, PROF. HERBERT. Political Science, Sociology. See 5th ed, Dir. Am. Scholars, Vol. IV, Philos. Relig. & Law.
- MARCUSE, DR. WILLIAM. Economics. See L-Z Vol, 11th ed, Soc. & Behav. Vols. New position: Sr. scientist, Brookhaven Nat. Lab, 69. Address: 107 Jefferson Ave, Port Jefferson, N.Y. 11777.
- MARDEN, PROF. CHARLES F(REDERICK). Sociology. See L-Z Vol, 11th ed, Soc. & Behav. Vols. Correction: Vis. prof, Holy Cross Col, 67. Address: Dept. of Sociology, Rutgers, The State University, New Brunswick, N.J. 08903.
- MAREAN, PROF. CHARLES EDWARD, sr. b. Binghamton, N.Y., May 30, 28; m. 54; c. 3. AUDIOLOGY, SPEECH PATHOLOGY. B.S. Ithaca Col, 50. M.S. Wisconsin, Madison, 58. Dir. speech & hearing rehab, pub. schs, N.Y., 50-58 & 60; staff asst. speech & hearing, Syracuse, 60-61; chief audiol. clin. Vet. Admin. Regional Ofc, 62; ASSOC. PROF, DEPT. SPEECH PATH. & AUDIOL, STATE UNIV. N.Y. COL. GENESEO, 63. clin. audiologist & assoc. dir. speech & hearing clin, 63-68. Summer staff asst, Ithaca Speech Clin, 50-51. Univ. Wisconsin Clin. 56-57. Consult. area doctors & pub. schs, State Sch. for Ment. Retarded & State Sch. for Epileptics, 63-68. U.S.M.C.R., Lt. Col. Speech & Hearing Asn.; Alex. Graham Bell Asn. for Deaf. Publ: Monogenic component in predominantly unilateral aural impairment, J. Auditory Res, 10/63. Address: Dept. of Speech Pathology & Audiology, State University of N.Y. College at Geneseo, Geneseo, N.Y. 14454.
- MARGLIN, PROF. STEPHEN ALAN. ECONOMICS. A.B. Harvard, 59, jr. fel. Soc. of Fellows, 60-63, Ph.D. 65; Henry fel, Cambridge, 59-60. Res. assoc. India prof, center int. studies, Mass. Inst. Tech, 63-65; asst. prof. ECON, 64-65; HARVARD, 65-68; assoc. prof, 68-69, PROF, 69. Vis. prof, Indian Statist. Inst. New Delhi, 67-68; pres, Int. Symp. Econ. Dev., 68. Summers, asst. res. economist, California, Berkeley, 61, vis. asst. prof, Stanford, 65, Consult, U.S. Bur. Budget, 61; Rand Corp, 62; UN Indust. Develop. Orgn, 65; Export-Import Bank of Wash, 66-67; Int. Bank for Reconstr. & Develop, 68. Decentralized resource allocation with a modicum of increasing returns. Publ: Public investment criteria: benefit cost analysis for planned economic growth, George Allen & Unwin, London & M.I.T., 67; Information in price and command systems of planning, In: Public economics, Macmillan, London, 69; Investment and interest: a reformation and extension of Keynesian theory, Econ. J. (in press). Address: Dept. of Economics, Harvard University, Cambridge, Mass. 02138.
- MARGOLIN, DR. EDYTHE. Sociology, Education. See L-Z Vol, 11th ed, Soc. & Behav. Vols. New position & address: Assoc. prof. sch. ed, Miami (Fla), 69-70. Address: 8065 Southwest 73rd Ave, Apt. 296, Miami, Fla. 33143.
- MARGOLIN, DR. SYDNEY G(ERALD). Psychiatry. See 11th ed, Phys. & Biol. Vols.
- MARGOLIS, PROF. JOSEPH. Philosophy. See 5th ed, Dir. Am. Scholars, Vol. IV, Philos. Relig. & Law.
- MARGOLIS, PROF. JULIUS. Economics, Engineering. See L-Z Vol, 11th ed, Soc. & Behav. Vols. Change of address: Fels Institute of Local & State Government, University of Pennsylvania, 39th & Walnut Sts, Philadelphia, Pa. 19104.
- MARGOLIUS, PROF. GARRY J(EROME). Experimental Psychology. See L-Z Vol, 11th ed, Soc. & Behav. Vols. Change of address: 64 Cummington St, Boston, Mass. 02215.
- MARGULIES, DR. STUART S. Experimental & Educational Psychology. See Suppl. V to 11th ed, Phys. & Biol. Vols.
- MARIS VAN BLAADEREN, DR. ANDREAS N. b. Rotterdam, Holland, June 28, 29; U.S. citizen; m. 55. SOCIOLOGY. B.A. Portland State Col, 63; M.A. Oregon, 63, Nat. Sci. Found. fel, 64, Ph.D.(sociol), 65. Res. assoc. SOCIOL, Oregon, 65-67; ASST. PROF, WASHINGTON STATE, 67. Nat. Sci. Found. fel, Europe, 65-66; sr. sociologist, 67-68. Sociol. Asn; Pop. Asn. Am; Rural Sociol. Soc. History of social thought; demography; human ecology theory. Address: Dept. of Sociology, Washington State University, Pullman, Wash. 99163.
- MARK, DR. HAROLD. Sociology. See L-Z Vol, 11th ed, Soc. & Behav. Vols. New position & address: Dir. planning, Connecticut State Dept. of Mental Health, 90 Washington St, Hartford, Conn. 06106.
- MARK, DR. HENRY J(OHN). Psychology. See L-Z Vol, 11th ed, Soc. & Behav. Vols. New information: Dir. dept. behav. sci, 69-, John F. Kennedy Institute for Habilitation of the Mentally & Physically Handicapped Child, 707 N. Broadway, Baltimore, Md. 21205.
- MARK, PROF. IRVING. American History. See 5th ed, Dir. Am. Scholars, Vol. I, Hist.
- MARKENSON, DR. DAVID J. Clinical Psychology. See L-Z Vol, 11th ed, Soc. & Behav. Vols. Change of address: Children's Psychiatric Center, 901 N.W. 17th St, Miami, Fla. 33136.
- MARKEY, JAMES J. S.J. Religion. See 5th ed, Dir. Am. Scholars, Vol. IV, Philos. Relig. & Law.
- MARKHAM, PROF. JESSE W(ILLIAM). Economics. See L-Z Vol, 11th ed, Soc. & Behav. Vols. New position & address: Prof. bus. admin, 68, Graduate School of Business Administration, Harvard University, 32 Anderson, Soldiers Field, Boston, Mass. 02163.
- MARLIN, PROF. ROM JOHNSON. Business Administration. See L-Z Vol, 11th ed, Soc. & Behav. Vols. New position: Prof. bus. admin. & chmn. mkt. area, Washington State, 69. Address: 101 Janet, Pullman, Wash. 99163.
- MARKLAND, DR. ROBERT EUBANK, b. St. Louis, Mo, July 10, 40; m. 65; c. 1. BUSINESS ADMINISTRATION, MANAGEMENT SCIENCE. B.S. Missouri-Rolla, 63, Mercantile Trust Co. fel, Washington (St. Louis), 63-65. M.B.A. 65, Ford Found. fel, 66-67, D.B.A. 69. Admin. cost. engr. Eastman Kodak Co, 65-66; instr. prod. mgt. & ops. res, Washington (St. Louis), 66-68; ASST. PROF. QUANT. MGT. SCI, MISSOURI-ST. LOUIS, 68. Summer, fel, Mass. Inst. Tech, 69. Consult, Army Aviation Sys. Command, 67-68; Ralston Purina Co, 68. Nat. Cable Serv. Corp, 68. Ops. Res. Soc. Am; Inst. Mgt. Sci; Inst. Decision Sci. Operations research; computer science; statistics; inventory theory; simulation theory. Publ: Co-auth, Evaluating merger-acquisition opportunities—a risk incorporation model, Bus. & Govt. Rev, 7-8/69 & Evaluating franchising opportunities: a probabilistic approach, Financial Exec, winter 69; auth, A comparative study of demand forecasting techniques for military helicopter spare parts, Naval Research Logistics Quart, 3/70. Address: Dept. of Quantitative Management Science, University of Missouri School of Business, 8001 Natural Bridge, St. Louis, Mo. 68121.
- MARKLE, DR. SUSAN MEYER. Experimental Psychology. See L-Z Vol, 11th ed, Soc. & Behav. Vols. New position: Prof. psychol, University of Illinois at Chicago Circle, Chicago, Ill. 60680.
- MARKOTIC, DR. VLADIMIR. Archaeology. See L-Z Vol, 11th ed, Soc. & Behav. Vols. New position: Assoc. prof, Dept. of Archaeology, University of Calgary, Calgary, Alta, Can.
- MARKOVITZ, DR. IRVING L. Political Science. See L-Z Vol, 11th ed, Soc. & Behav. Vols. New position: Assoc. prof. Queens Col, 70. New publ: African politics and society: basic issues and problems of government and society, Free Press Glencoe, 70. Address: 211-56 46th Rd, Bayside, N.Y. 11361.
- MARKOWITZ, DR. HAL, b. New York, N.Y., Feb. 2, 34; m. 57. PHYSIOLOGICAL & EXPERIMENTAL PSYCHOLOGY. B.A. Long Beach State Col, 59, M.A. 60; California, Berkeley, 60-64; Ph.D.(psychol), Arizona State, 68. Weight engr, Douglas Aircraft Co, Calif, 57-58; teaching asst. psychol, California, Berkeley, 60-62, res. psychologist, brain res. proj, 62-64; chmn. dept. PSYCHOL, Glendale Community Col, 64-68; asst. prof, OREGON STATE, 68-69, ASSOC. PROF, 69. Oregon State Univ. Res. Coun. grant, 68-70; dir, Nat. Sci. Found. undergrad. res. grant, psychol. dept, Oregon State, 69. Res. anatomist, Long Beach Vet. Admin. Hosp, Univ. California, Los Angeles, summer 60. U.S.A.F. 53-57. AAAS; Psychol. Asn. Brain chemistry and neurophysiology; behavior genetics; discrimination learning; philosophy of science. Publ: Co-auth, Infant handling: effects of avoidance learning, brain weight, and cholinesterase activity, Science, 63, Automated studies of the behavior of bright vs. dull animals, 69 & co-auth, The superiority of maze-dull animals on visual tasks in an automated maze, 69, Psychonomic Sci. Address: Dept. of Psychology, Oregon State University, Corvallis, Ore. 97331.
- MARKS, DEAN B(OBBY) (KEES). Business Administration. See L-Z Vol, 11th ed, Soc. & Behav. Vols. New information: Also dean, 69-, School of Business Administration, Sam Houston State University, Huntsville, Tex. 77440.
- MARKS, DR. EDMOND. Psychology. See L-Z Vol, 11th ed, Soc. & Behav. Vols. New position & address: Dir, 69-, Student Affairs Research, Pennsylvania State University, 109 Gange Bldg, University Park, Pa. 16802.
- MARKS, DR. LAWRENCE E. b. New York, N.Y., Dec. 28, 41; m. 63; c. 2. SENSORY PSYCHOLOGY, PSYCHOPHYSICS. A.B. Hunter Col, 62; Ph.D. (psychol), Harvard, 65. Res. fel. cognitive studies & lectr. gen. ed, Harvard, 65-66; asst. fel. PSYCHOL, JOHN B. PIERCE FOUND. Lab, 66-69, ASSOC. FEL, 69. Mem. res. staff, Yale, 66-69, instr, 66-70, asst. prof, 70. Optical Soc. Am; Psychonomic Soc. Sensory processes, especially vision and thermal sensations; psycholinguistics. Publ: Brightness as a function of retinal locus in the light-adapted eye, Vision Res, 8: 525-35; Stimulus-range, number of categories, and form of the category scale, Am. J. Psychol, 81: 467-479; co-auth, Perceived warmth and skin temperature as functions of the duration and level of thermal irradiation, Perception & Psychophys, 4: 220-228. Address: John B. Pierce Foundation, 290 Congress Ave, New Haven, Conn. 06519.
- MARKS, DR. STUART A. Animal Ecology, Anthropology. See Suppl. VI to 11th ed, Phys. & Biol. Vols.
- MARLATT, DR. G(ORDON) ALAN, b. Vancouver, B.C., Nov. 26, 41; m. 63; c. 1. CLINICAL PSYCHOLOGY. B.A. British Columbia, 64; Nat. Inst. Ment. Health fel, Indiana, 66-67, Ph.D.(psychol), 68. Intern. clin. psychol,

- Napa State Hosp, Calif, 67-68; ASST. PROF. PSYCHOL, British Columbia, 66-69; WISCONSIN, MADISON, 69. Am. Psychol. Assn; Can. Psychol. Assn. Behavioral approach to alcoholism; social influence processes; interview behavior. Publ: Co-auth, Verbal conditioning, behavior therapy, and behavior change: some problems in extrapolation. In: Behavior therapy: appraisal and status, McGraw, 69. Effect of exposure to a model receiving evaluative feedback upon subsequent behavior in an interview, 2/70 & auth, Exposure to a model and task ambiguity as determinants of verbal behavior in an interview, 7/0, J. Consult. & Clin. Psychol. Address: Dept. of Psychology, University of Wisconsin, Madison, Wis. 53706.
- MARLEY, DR. ANTHONY A (L'FRED) (JOHN), b. Barnstable, Eng, Feb. 15, 40; m. 65. PSYCHOLOGY. B.Sc. Birmingham, 61; Ph.D. (psychol), Pennsylvania, 65. Miller fel. PSYCHOL, Miller Inst. Basic Res. Sci., California, Berkeley, 65-67; Killam fel, Alberta, 67-69; ASST. PROF. MCGILL, 69- AAAS: Math. Soc. Scaling theories and probabilistic models, particularly as applied to sensation and perception; preference behavior. Publ: Some probabilistic models of simple choice and ranking, J. Math. Psychol., 5: 311-332 & An alternative fundamental axiomatization of multiplicative power relations among three variables, Philos., 35: 185-186; co-auth, Extensive measurement when concatenation is restricted and maximal elements may exist, In: Philosophy, science and method: essays in honor of Ernest Nagel, St. Martin's, 69. Address: Dept. of Psychology, McGill University, Montreal 2, Que, Can.
- MARLIN, PROF. CLIFTON BOYD, b. Dorsey, Miss, Oct. 24, 20; m. 45; c. 1. FOREST ECONOMICS & MEASUREMENT. B.S. Miss. State, 43; M.F. Duke, 49. Instr. forest econ, Miss. State, 49-51; for. instr., Miss. Forestry Cmn, 51-52; asst. forest mgr. dir., 52-53; forest mgmt. dir., 53-56; state forester, 56-61; ASST. PROF. FOREST MEASUREMENT, LA. STATE, BATON ROUGE, 61. Mem. nat. exec. cmt, Coop. Forest Fire Prev. Smokey Bear Prog., 57-60. U.S.A. 43-47, Capt. Soc. Am. Foresters. Forest resource and production economics. Publ: Louisiana forest land classification completed under 1954 tax law, 68 & Insects in Southern forests, 65. La. State Univ. How should the cost of forest fire protection be shared?, La. Agr. Exp. Sta., 68. Address: 5822 Clematis Dr, Baton Rouge, La. 70808.
- MARLIN, DR. JOHN A. b. Washington, D.C. Mar. 1, 42. ECONOMICS, FINANCE. A.B. Harvard, 62; B.A. Oxford, 65; M.A. 69; Ph.D. (econ), George Washington, 68. Econ. Address: Reserve Bd., 64-66; Small Bus. Admin., 66-67; Fed. Deposit Ins. Corp., 67-69; ASST. PROF. ECON, BARUCH COL., 69. Econ. Assn; Finance Assn; African Studies Assn; Economet. Soc. Financial institutions in Africa; deposit insurance in United States and abroad; bank regulation; quality of bank credit; corporation finance; regulation of transportation industry; housing problems. Publ: Deposit insurance, Bankers Mag., London, 10/59 & 11/59; Ideas on bank regulation, Bankers Mag., Boston, winter 70. Address: Box 174, Bernard M. Baruch College, 17 Lexington Ave, New York, N.Y. 10010.
- MARLIN, ROBERT L (EWIS). Psychology, Statistics. See L-Z Vol, 11th ed, Soc. & Behav. Vols. New position: Clin. res. assoc, Sandoz Pharmaceut. Co., 69. Address: 8 Biscay Dr, Parsippany, N.J. 07054.
- MARMOR, DR. JUDD, b. London, Eng, May 1, 10; U.S. citizen; m. 38; c. 1. PSYCHIATRY, NEUROLOGY. A.B. Columbia, 30, M.D. 33; N.Y. Psychoanal. Inst., 41. Private practice psychiat, psychoanal. & neurol, 37-65; DIR. PSYCHIAT. CEDARS-SINAI MED. CENTER, 65-66. Clin. prof, California, Los Angeles, 52-; training analyst, Southern California Psychoanal. Inst., 53-; mem. faculty psychiat. & law for judiciary, Univ. Southern California, 64-69. Mem. faculty, Conn. State Dept. Ment. Health, 65; mem. homosexuality task force, Nat. Inst. Ment. Health, 67-69; lectr., Women's Bur, U.S. Dept. Labor, 68; mem. soc. probs. res. rev. cmm. Nat. Inst. Ment. Health, 70. U.S.N. 44-45, Lt. (jg). Group Adv. Psychiatry; Orthopsychiat. Assn; Psychoanal. Assn; life fel, N.Y. Acad. Med; life fel. Psychiat. Assn; Acad. Psychoanal. (pres, 65-66). Social and community psychiatry; nature of the psychotherapeutic process; psychoanalysis; problems of sexual deviancy; psychiatric aspects of political extremism, war and aggression. Publ: Ed, Sexual inversion: the multiple roots of homosexuality, 65 & Modern psychoanalysis: new directions and perspectives, 68. Basic Ideas on the psychodynamics of political extremism, Am. J. Psychother., 10/68. Address: Cedars-Sinai Medical Center, 8720 Beverly Blvd, Los Angeles, Calif. 90048.
- MARPLE, DR. GARY ANDRE, b. Mt. Pleasant, Iowa, Feb. 22, 37; c. 2. ECONOMICS, SOCIAL PSYCHOLOGY. B.S. Drake, 59; M.B.A. Mich. State, 61. D.B.A. (mkt), 63. Sloan teaching intern, Mass. Inst. Tech., 62-63; MEM. SR. STAFF, ARTHUR D. LITTLE, INC., 63- U.S.N.R. 55-63. Measurement and analysis of social behavior for implementing social change. Publ: Co-auth, Henry Ford: inventor of the supermarket?, Bur. Bus. & Econ. Res., Mich. State Univ., 60. Grocery manufacturing in the U.S. Praeger, 68 & Corporate ethics, J. Human Resources, 63. Address: 424 Massachusetts Ave, Arlington, Mass. 02174.
- MARRONE, DR. ROBERT LAWRENCE, b. Brooklyn, N.Y., June, 25, 41; m. 64; c. 1. PSYCHOLOGY. B.A. Adelphi, 63; univ. fel, Texas Christian, 64-66, M.A. 66, NABA 66-67, Ph.D. (psychol), 67. Res. psychologist & instr., psychopharmacol. res. State Univ. N.Y. Downstate Med. Center, 67-68; ASST. PROF. PSYCHOL, SACRAMENTO STATE COL., 68- Affiliate psychotherapist, Community Guid. Serv. N.Y., 67-68; consult, Am. Cancer Soc., Calif., 69. Psychol. Assn; Asn. Adv. Behav. Ther. Study of effects of psychotomimetic drugs on emotionality in infra-human animals; application of behavior modification techniques in treatment of compulsive behaviors. Publ: Studies in behavior observation and analysis, Holt, 70; Norepinephrine elicitation of aggressive display responses in *Betta splendens*, Psychonomic Sci., 66; co-auth, Transfer effects of I.P. injections of brain homogenates, Nature, 67. Address: Dept. of Psychology, Sacramento State College, 6000 J St, Sacramento, Calif. 95819.
- MARQUEZ-DIAZ, PROF. NESTOR. International Economics & Law. See L-Z Vol, 11th ed, Soc. & Behav. Vols. New position & address: Prof. bus. admin, Texas A&I University, Kingsville, Tex. 78363.
- MARSALA, DR. VINCENT J. Modern History. See 5th ed, Dir. Am. Scholars, Vol. 1, Hist.
- MARSH, DR. ANTHONY H (UGH). Electrical & Biomedical Engineering. See Suppl. VI to 11th ed, Phys. & Biol. Vols.
- MARSH, EDWARD N (ORTON). Business Administration. See L-Z Vol, 11th ed, Soc. & Behav. Vols. New position: V.pres. res. & eng, Standard Oil Co. (Ohio), 69- Address: The Chesterfield, Apt. 808, 1801 E. 12th St, Cleveland, Ohio 44114.
- MARSH, DR. GAYLE G. Clinical Psychology. See Suppl. V to 11th ed, Phys. & Biol. Vols.
- MARSH, DR. GEORGE D. JR. Psychology. See L-Z Vol, 11th ed, Soc. & Behav. Vols. New position & address: Psychologist, 68-; Southwest Regional Lab, 11300 La Cienega Blvd, Inglewood, Calif. 90304.
- MARSH, DR. MICHAEL PIERCE. Ecology, Animal Behavior. See Suppl. V to 11th ed, Phys. & Biol. Vols.
- MARSH, DR. PAUL E. Politics, Education. See L-Z Vol, 11th ed, Soc. & Behav. Vols. New position: Sr. ed. consult, Off. planning & Prog. coord., Exec. Off. Admin. & Finance, Commonwealth Mass., 68- Address: Bedford Rd, Lincoln Center, Mass. 01773.
- MARSHALL, DR. CHARLES BURTON, b. Catskill, N.Y., Mar. 25, 08; m. 58; c. 2. POLITICAL SCIENCE. A.B. Texas, 31, A.M., 32; fel, Harvard, 35-36, Ph.D. (polit. sci.), 39. Instr. & tutor, Harvard & Radcliffe Col., 38-42; staff consult, cmt. for. affairs, U.S. House Rep., 47-50; mem. policy planning staff, Dept. State, 50-53; adviser to prime minister, Pakistan, 55-57; RES. ASSOC., WASH. CENTER FOR POLICY RES., 57-; PAUL H. NITZKE PROF. INT. POLIT. SCH. ADV. INT. STUDIES, HOPKINS, 67- Vis. res. scholar, Carnegie Endowment Int. Peace, 58-59; alumni vis. prof., North Carolina, 60. U.S.A., 42-46, Lt. Col. Polit. Sci. Assn; Soc. Int. Law. The nature of international politics; policy making process. Publ: The limits of foreign policy, Holt, 54, Johns Hopkins, 68; The exercise of sovereignty, Johns Hopkins, 65; The cold war: a concise history, Franklin Watts, 65. Address: 4106 N. Randolph St, Arlington, Va. 22207.
- MARSHALL, DR. DONALD STANLEY. Anthropology. See L-Z Vol, 11th ed, Soc. & Behav. Vols. Change of address: International Security Affairs, Office of the Assistant Secretary of Defense, Washington, D.C. 20301.
- MARSHALL, DR. GEORGE. Economics, Conservation. See L-Z Vol, 11th ed, Soc. & Behav. Vols. New publ. Ed. & contrib., Alaska wilderness: exploring the Central Brooks Range, Univ. California, 70. Address: 800 Bel-Air Rd, Los Angeles, Calif. 90024.
- MARSHALL, DR. JOHN EDWARD, b. Hazleton, Pa, Aug. 6, 35; m. 57; c. 2. PHYSIOLOGICAL PSYCHOLOGY. A.B. Muhlenberg Col, 57; M.A., Temple, 59, Ph.D. (psychol), 63. Grad. asst. psychol., Temple, 57-58, instr., 58-61; clin. intern, Walter Reed Army Hosp., 61-62; instr. Med. Field Serv. Sch., Ft. Sam Houston, Tex., 62-64; res. psychologist, U.S. Army Med. Res. Lab., Ft. Knox, Ky., 64-67; asst. prof. psychol., Rensselaer Polytech. Inst., 67; GRANTS ASSOC., NAT. INSTS. HEALTH, 69- Med. Serv. C., 60-67, Capt. AAAS: Psychol. Assn. Health science administration; sensory psychophysiology; visual perception. Publ: Eye movements and visual autokinetic phenomenon, Perceptual & Motor Skills, 22: 319-326; co-auth, Visual-auditory interaction and specificity of nystagmic habituation, Aerospace Med., 38: 597-599 & Drug control of arousal and nystagmic habituation in cat, Acta Otolaryngol., 64: 345-352. Address: 16708 Shea Lane, Gaithersburg, Md. 20760.
- MARSHALL, DR. JOHN U. b. Bearaden, Scotland, Sept. 22, 38; Can. citizen; m. 63; c. 1. GEOGRAPHY. B.A. Toronto, 61, Ph.D. (urban geog), 68; M.A., Minnesota, 65. ASST. PROF. GEOG., Brock, 66-68; YORK (ONT), 68- Can. Assn. Geog. Assn. Am. Geog. Regional Sci. Assn. Urban and population geography; statistical methods for spatially arrayed data. Publ: The location of service towns: an approach to the analysis of central place systems, Univ. Toronto, 69. Address: Dept. of Geography, York University, Toronto, Ont, Can.
- MARSHALL, DR. JOSEPH HARTWELL. Agricultural Economics. See L-Z Vol, 11th ed, Soc. & Behav. Vols. New position: Dir. res. Cotton Producers Association, P.O. Box 2210, Atlanta, Ga. 30301.
- MARSOT, DR. ALAIN-GERARD, b. Saigon, South Vietnam, Apr. 16, 35; m. 64; c. 2. POLITICAL SCIENCE. Lic. en Droit, Paris, 59, cert. law & M.A., 61, Ph.D. (polit. sci.), 64; B.Litt., Oxford, 69. Trainee W.African for. affairs, For. Off., Paris, France, 59-60; in charge of mission credit, Cent. Bank W.Africa, Paris, 60-61; lectr. French polit., Reading Univ., 62-64; instr. contemporary polit., faculty law, Univ. Dijon, 64-65; ASST. PROF. POLIT. SCI., American Univ., Cairo, 65-68; CALIF. STATE COL. LONG BEACH, 68- Lectr. faculty polit. Sci., Calif. Univ., 67. Polit. Sci. Assn. Int. Studies Assn. Asian history and politics; Chinese Communist influence in southeast Asia; the Chinese community in Indo-China; French Indo-China. Publ: Co-auth, Vie et droit parlementaire, Revue du Droit Pub., 1/65; auth, La Chine populaire et les communistes Chinois du Sud-Est Asiatique, Revue Juridique et Politique, 6/65 & China's aid to Cambodia, Pac. Affairs, summer 69. Address: 1731 Roscomare Rd, Los Angeles, Calif. 90024.
- MARSTON, PROF. GLENN FERNELIUS, b. Ogden, Utah, Feb. 21, 26; m. 50; c. 3. ECONOMICS, PERSONNEL ADMINISTRATION. B.S., Utah, 51, M.S., 52; Washington (Seattle), 59; fel, Stanford, 68. Personnel rep., Los Alamos Sci. Lab., 52-53; asst. personnel mgr., Lang Co., Inc., Utah, 53-54; asst. prof. acct., econ. bus. law & statist. & dep. head, Snow Col., UTAH STATE, 54-57, ASSOC. PROF. ECON, PERSONNEL & INDUSTR. RELS., Univ., 57- U.S.A., 44-46, Maj. Publ: Human relations and manpower management, 1/64 & How to generate employee creativity, 1/65, Proc. Annual Mtg. Inst. Water

& Sewer Dist. & Municipalities; A concept of a personnel philosophy, Personnel Adminstr., 11-12/64. Address: College of Business, Utah State University, Logan, Utah 84321.

MARTEL, RAYMOND J. (JOSEPH). Psychology. See L-Z Vol. 11th ed, Soc. & Behav. Vols. New position: Sr. res. scientist, Am. Inst. Res., 67- Address: 4 DeAngelo Dr, Bedford, Mass. 01730.

MARTELLARO, PROF. JOSEPH ALEXANDER. Economics. See L-Z Vol. 11th ed, Soc. & Behav. Vols. New information: Also assoc. dean grad. sch., Northern Illinois. 69- Address: 1702 Margaret Lane, De Kalb, Ill. 60115.

MARTIN, DR. ANNA Y. Clinical Psychology. See L-Z Vol. 11th ed, Soc. & Behav. Vols. Change of address: 1124 S. Luna Circle, Santa Fe, N.Mex. 87501.

MARTIN, DR. CORA ANN, b. Yancey, Tex., Sept. 24, 26. SOCIOLOGY. B.S., Texas Woman's Univ., 49; M.S., North Texas State, 53; Nat. Insts. Health fel. & Ph.D. (sociol.), Texas, 65. Nurse, 49-61; asst. prof. SOCIOL., Omaha, 65-67; NORTH TEXAS STATE, 67-69, ASSOC. PROF. 69- Guest lectr., Inter-Am. Univ. P.R., 67; Fulbright fel., Singapore, 67; participant, Summer Inst. Gerontol., Southern California, 68. Consult, Nebr. Nurses Assn., 66-67; path. dept., Southwest. Med. Sch., Texas, 68-69; Am. Assn. Homes for Aged, 69- Gerontol. Soc., Soc. Sci. Assn., Int. Assn. Gerontol.; Adult Ed. Assn. U.S. Health manpower; social gerontology; epidemiology; socialization. Publ. Nebraska's nurse supply: needs and resources 1966, Nebr. Dept. Health, 67; co-auth., Residential patterns of aged persons prior to institutionalization, 2/64 & Parental perceptions of the role of TV in parent-child interaction, 8/70, J. Marriage & Family. Address: Dept. of Sociology, North Texas State University, Denton, Tex. 76203.

MARTIN, DR. DAN MERRILL. Political Science. See L-Z Vol. 11th ed, Soc. & Behav. Vols. New position & address: Asst. prof. polit. sci. & asst. chancellor, 69-, Vanderbilt University, 207 Kirkland Hall, Nashville, Tenn. 37203.

MARTIN, PROF. DAVID C., b. Providence, R.I., Mar. 27, 37; m. 61; c. 1. ECONOMICS. B.A., Rhode Island, 58, M.S., 60; cert. econ., Oslo, 59; Ph.D. (econ.), Syracuse, 64. Instr. ECON., Rhode Island, 60-61; asst. prof., Harpur Coll. State Univ. N.Y., Binghamton, 63-66; PROF. & CHMN. DEPT. STATE UNIV. N.Y., COL. GENESIO, 66-, ASST. V. PRES. ACAD. AFFAIRS, 69- Vis. lectr., Syracuse, 65-66; U.S. Off. Ed. res. grant, 68-69; State Unem. N.Y. faculty res. fel. & Found. Econ. Ed. grant, summer 69. U.S.A.R., 55-63, 2nd Lt. Econ. Assn.; Finance Assn.; Econ. Hist. Assn. United States monetary standards prior to 1860; teaching methods for college economics. Publ. Introductory economic theory, McGraw, 70; Did the crime of 1873 really occur in 1853, Papers & Proc. N.Y. State Econ. Assn., 4/68; Bimetallism in U.S. before 1850, J. Polit. Econ., 6/68. Address: Dept. of Economics, State University of New York College at Geneseo, Geneseo, N.Y. 14454.

MARTIN, PROF. DAVID D. (DALE). Economics. See L-Z Vol. 11th ed, Soc. & Behav. Vols. New information: Vis. prof. econ., Mich. State, 70. Address: R.D. 3, 604 Meadowbrook Rd., Bloomington, Ind. 47401.

MARTIN, DR. FRANK B. (UCHA). Jr. Psychology. See L-Z Vol. 11th ed, Soc. & Behav. Vols. Change of address: 1845 Walnut St., Philadelphia, Pa. 19103.

MARTIN, DR. GENE E. (LLIS). Geography. See L-Z Vol. 11th ed, Soc. & Behav. Vols. New information: Also head, 69-, Dept. of Geography, University of Oregon, Eugene, Ore. 97403.

MARTIN, DR. JAMES E., b. Gary, Ind., June 26, 37; m. 62; c. 1. PSYCHOLINGUISTICS, COGNITIVE PSYCHOLOGY. B.S., Illinois, 62, Ph.D. (psycholing.), 68. Instr. PSYCHOL., PA. STATE, 66-67, ASST. PROF. 67- Semantics; adjective ordering. Publ. Some competence-process relationships in noun phrases with adjectives, 69, Semantic determinants of preferred adjective order, 69 & Adjective order and juncture, 70, J. Verbal Learning & Verbal Behav. Address: Dept. of Psychology, Pennsylvania State University, University Park, Pa. 16802.

MARTIN, PROF. JAMES E. (VERETT). Agricultural Economics, Econometrics. See L-Z Vol. 11th ed, Soc. & Behav. Vols. New information: Dean, 68-, College of Agriculture, Virginia Polytechnic Institute, Blacksburg, Va. 24060.

MARTIN, PROF. JAMES W. (ALTER). Economics. See L-Z Vol. 11th ed, Soc. & Behav. Vols. New information: Also ad. prof. polit. sci., urban studies center, Louisville, 70- Address: 241 Tahoma Rd., Lexington, Ky. 40503.

MARTIN, PROF. L. (ESLIE) JOHN. Political Science, Communication. See L-Z Vol. 11th ed, Soc. & Behav. Vols. New position & address: Prof., 69-, Dept. of Journalism, University of Maryland, College Park, Md. 20742.

MARTIN, DR. MICHAEL LOU. Philosophy. See 5th ed, Dir. Am. Scholars, Vol. IV, Philos., Relig., & Law.

MARTIN, (OLIVER) EDMUND, JR., b. Pittsburgh, Pa., Mar. 23, 27; m. 51; c. 4. ENGINEERING & EXPERIMENTAL PSYCHOLOGY. B.S., Auburn, 51; M.A., Emory, 59. Teacher, high sch., Ga., 51; spec. courses inst., training dept., LOCKHEED-GA. CO., 51-53, sr. mat. & proc. engr., production eng. dept., 53-57, sr. liaison engr., B-47 eng. dept., 57-59, sr. ops. res. analyst, 59-64, personnel subysr. mgr., 64-65, SCIENTIST, RES. LAB., 65- Part-time, Instr. Univ. Georgia, 62-63; lectr., Ga. Inst. Tech., 64, 68- U.S. Merchant Marine, 45-46. AAAS; Psychol. Assn.; Human Factors Soc. Human factors in design of systems and products for human use; psychological aspects of the display of information; training research. Address: Research Lab., Lockheed-Georgia Co., D/72-14, Zone 406, Marietta, Ga. 30060.

MARTIN, DR. RAYMOND FREDERICK. Philosophy. See 5th ed, Dir. Am. Scholars, Vol. IV, Philos., Relig., & Law.

MARTIN, PROF. R. (RICHARD) M. (ILTON). Philosophy. See 5th ed, Dir. Am. Scholars, Vol. IV, Philos., Relig., & Law.

MARTIN, PROF. ROBERT E. (ARL). Political Science. See L-Z Vol. 11th ed, Soc. & Behav. Vols. New information: Also assoc. dean, 69-, College of Liberal Arts, Howard University, Washington, D.C. 20001.

MARTIN, DR. ROBERT (MILLER). Clinical Psychology. See L-Z Vol. 11th ed, Soc. & Behav. Vols. New position: Assoc. prof., 69-, Dept. of Psychiatry, University of Manitoba Medical School, Winnipeg, Man., Can.

MARTIN, DR. WILLIAM CURTIS, b. San Antonio, Tex., Dec. 31, 37; m. 57; c. 3. SOCIOLOGY. A.B., Abilene Christian Coll., 58, A.M., 60; S.T.B., Harvard, 63, Ph.D. (relig. & society), 69. Instr. PSYCHOL., 69- Soc. Sci. Assn., Mass., 65-67, chaplain, 67-68; Instr. SOCIOL., Rice, 68-69, ASST. PROF. 69- Grant, Rice Univ. Center Study Soc. Change & Econ. Develop., 69- Consult, Walter E. Burch Co., Consults, Race Rel., 69- Sociol. Assn. Soc. Sci. Study Relig. Social ethics; sociology of religion, particularly clergy, fundamentalism and secularization; criminology, particularly criminal behavior types and corrections; urban social problems, particularly poverty, race and community organization. Publ. Shepherds vs. flocks, 12/67 & The God-hucksters of radio, 6/70, Atlantic Monthly. Address: Dept. of Sociology, Rice University, Houston, Tex. 77001.

MARTINEAU, DR. FREDERICA Y. (OUNG). Psychology. See L-Z Vol. 11th ed, Soc. & Behav. Vols. New position: Dir. staff training, 70-, George Junior Republic, Freeville, N.Y. 13068.

MARTINO, DR. THOMAS PATRICK, b. Binghamton, N.Y., Dec. 27, 29; m. 59; c. 5. PSYCHOLOGY, EDUCATION. B.A., Notre Dame, 53; M.A., Catholic Univ., 59, Ph.D. (ASSOC. PROF. PSYCHOL. & ASST. DIR. COUNSELING CENTER, KING'S COL., PA.), 59- Mem. C. Student Personnel Assn. U.S.A., 54-56. Personnel & Guid. Assn.; Nat. Voc. Guid. Assn. Education, vocational and personal problems. Publ. How to become a college dropout, Nat. Cath. Guid. Conf. J., summer 68. Address: Counseling Center, King's College, Wilkes-Barre, Pa. 18702.

MARTINSON, DR. TOM L. (EE), b. Portland, Ore., Nov. 7, 41; m. 65; c. 1. GEOGRAPHY. B.A., Oregon, 63; Ph.D. (geog.), Kansas, 69. Vis. asst. prof. geog., Colorado, 66-67; ASST. PROF. GEOG. & COORDINATOR INT. STUDIES, BALL STATE, 67- Mem. exec. com. Nat. Conf. Latin Americanist Geogrs., 69- Assn. Am. Geog. Soc.; Latin Am. Studies Assn.; Geosci. Info. Soc. Agricultural land use in Middle America; teaching human research methods in geography. Publ. Economic rent and selected changes in agricultural land use along the western highway of Honduras, 1952-1965, Univ. Kansas, 69; Introduction to library research in geography: a self instruction manual and short bibliography, Univ. Missouri-Kansas City Bookstore, 70; Teaching bibliography to geographers, Proc. Ind. Acad. Soc. Sci., 68. Address: Dept. of Geography, Ball State University, Muncie, Ind. 47306.

MARTEORELLA, DR. PETER HOWARD. Contemporary U.S. History, Social Science Education. See 5th ed, Dir. Am. Scholars, Vol. 1, Hist.

MARTY, DR. WILLIAM RAY, b. Ada, Okla., May 18, 38; m. 62; c. 2. POLITICAL SCIENCE. B.A., Oklahoma, 60; South. Fel. Fund fel., Duke, 60-63, M.A., 63, Ph.D. (polit. sci.), 68. Asst. prof. POLIT. SCI., MEMPHIS STATE, 65-68, ASSOC. PROF. 68- Consult, Law Enforcement Inst., Memphis, Tenn., 68. Polit. Sci. Assn. Political theory; theories of violence and alternatives; Negro protest thought. Publ. The policeman's image, In: Mutual responsibility in community relations, Memphis State Univ., 68. Address: Dept. of Political Science, Memphis State University, Memphis, Tenn. 38111.

MARUM, DR. KENNETH DONALD, b. Fall River, Mass., Mar. 25, 34; m. 56; c. 3. PSYCHOLOGY. B.A., Fresno State Coll., 57; M.A., Brown, 63; Ph.D. (psychol.), Vermont, 68. Asst. prof. PSYCHOL., Johnson State Coll., 63-67; ASSOC. PROF., Juniata Coll., 67-69; ACADIA, 69- Nat. Res. Coun. Can. grant, 69-70. Consult, Fundy Ment. Health Clin., Wolfville, N.S., 69- Psychol. Assn. Experimental psychology; perception of time durations under conditions of arousal and environmental variation; relationship between time perception and biological rhythms. Publ. Reproduction and ratio production of brief durations under conditions of sensory isolation, Am. J. Psychol., 81: 21-26; co-auth., Individual differences in the influence of isolation on the perception of time and behavioral response, Science, (in press). Address: Dept. of Psychology, Acadia University, Wolfville, N.S., Can.

MARIUYAMA, DR. MAGOROH, b. Tokyo, Japan, Apr. 2, 29; U.S. citizen; m. 66; c. 1. SOCIOLOGY, ANTHROPOLOGY. Dipl. French Center Higher Studies in Tokyo, 50; B.A., California, Berkeley, 51; Munich, 54-55; Heidelberg, 55- Am-Scandinavian Found. fel., Copenhagen, 55-57; Swedish State fel. & Ph.D. (philos.), Lund, 59. Res. analyst, inst. human develop., California, Berkeley, 60-62; res. assoc. alcoholism, inst. study human prob., Stanford, 62-64; sr. counsr., Parks Joy Corps Center, Pleasanton, Calif., 65; res. assoc. interpersonal violence, Inst. for Study Crime & Delinquency, Sacramento, 65-66; assoc. prof. psychol., San Francisco State Coll., 66-67; res. assoc. community tension, center for study violence, Brandeis, 67-68; ASSOC. PROF. SOCIOL. CALIF. STATE COL., HAYWARD, 68- Lectr., California, Berkeley, 60-62; res. soc. scientist, Calif. State Dept. Ment. Hyg., 63-64; lectr. dept. speech, San Francisco State Coll., 66-67; community develop. specialist, Bur. Indian Affairs, Alaska, summer 64. Consult, Calif. State Dept. Pub. Health, 60-61; Off. Econ. Opportunity, 66-67; Navajo Community Coll., 69; dept. appl. behav. sci., California, Davis, 69-70. Mem. Nat. Invest. Coun. Serial Phenomena, 64- U.S.N.C. 62-54, Sr. Anthp. Assn. Cultural epistemology; developing non-middle class inculcure researchers; communication between different thought patterns; mutual causal systems; future society; study of phenomena excluded by present science. Publ. Communicational epistemology, Brit. J. Philos. Sci., winter, spring & summer 61; The second cybernetics: deviation-amplifying mutual causal processes, Am. Scientist, 6/63; Monopolization, family and individuality, Psychiat. Quart., winter 66. Address: Dept. of Sociology, California State College at Hayward, 25800 Hillary St., Hayward, Calif. 94542.

- MARX, DR. GEORGE LEO, b. Sioux City, Iowa, Jan. 5, 32; m. 58; c. 4. COUNSELING & GUIDANCE. B.A., Yankton Col, 53; M.A., Iowa, 57, Ph.D. (guid. & counseling), 59. Asst. counsr. to men, Iowa, 58-59; asst. prof. ed. MARYLAND, 59-61, assoc. prof., 62-63, ASSOC. PROF. PSYCHOL. & AREA ED. CHMN. 55-61, dir. off. intermediate registr., 63-65. Assoc. dean student life, Maryland, 60-65, dir. pre-col. summer session, 61-65; vis. prof. Puerto Rico, 66-67, summer sch. teacher, Colorado, 65. U.S.A., 53-55. Personnel & Guid. Asn.; Psychol. Asn.; Asn. Counsr. Ed. & Supv.; Nat. Coun. Measurement in Ed. Publ.; Administrative contribution to the college drop out, Univ. Tennessee, 67; Counseling in probation and parole—a research report, Univ. Maryland, 69. Address: Counseling & Personnel Services Dept., University of Maryland College of Education, College Park, Md. 20742.
- MARZOUK, DR. MAHMOUD SHUKRY, b. Sept. 21, 41; citizen of U.A.R.; m. 70. ECONOMICS. B.A., Cairo, U.A.R. 61; summer, Colorado, 63; U.A.R. Govt. grant, Stanford & Pennsylvania, 63-69; M.A., Stanford, 64; Ph.D. (econ), Pennsylvania, 69. Instr. ECON. Cairo, U.A.R. 61-63; lect., evening div. FMC, 65-69, ASST. PROF. 68-69; ACADIA, 69. Res. asst. Inst. Nat. Planning, U.A.R. 61-63. Consult. DuPont Corp., 66-69. Am. Econ. Asn.; Can. Econ. Asn. Macroeconomic models for developing economies with special emphasis on institutional and political variables. Address: Dept. of Economics, Acadia University, Wolfville, N.S. Can.
- MASCARO, DR. GUILLERMO FERNANDEZ, b. Cardenas, Cuba, Nov. 4, 40; m. 66; c. 1. PSYCHOLOGY. B.A., Miami (Fla), 64; M.A., Princeton, 67, Ph.D. (psychol), 68. Asst. instr. psychol., Princeton, 64-65, asst. res. psychol., 65-67; res. collab. Ed. Testing Serv., 66-67; res. scientist, George Washington, HumRRO, Ft. Benning, 67-68; ASST. PROF. PSYCHOL., FLORIDA, 68. Soc. Sci. Inst. res. grant, summer 69. Structure of social attitudes; development of interpersonal attraction; judgmental processes in attitude formation. Publ.: Some methodological aspects of systematic categorization of behavior, 28: 779-784 & Interpersonal attraction and uncertainty reduction as functions of judgmental similarity, 30: 71-75, Perceptual & Motor Skills; Correspondence between internalized and external expectations and attitudes, Austlan J. Psychol., 70. Address: Dept. of Psychology, University of Florida, Gainesville, Fla. 32601.
- MASLAND, PROF. JOHN WESLEY, JR. Political Science. See 11th ed, Soc. & Behav. Vols., deceased 68.
- MASLOW, PROF. ABRAHAM H(AROLD). Psychology. See L-Z Vol, 11th ed, Soc. & Behav. Vols. New information: On leave from Brandeis Univ. as res. fel., 69; W.P. Laughlin Charitable Foundation, 1 Saga Lane, Menlo Park, Calif. 94025.
- MASON, DR. DOROTHY S. Geography. See L-Z Vol, 11th ed, Soc. & Behav. Vols. New position & address: Assoc. prof. geog., N.C. Agr. & Tech. State, 69. Address: 2707 Hill-N-Dale, Greensboro, N.C. 27408.
- MASON, DR. JOSEPH BARRY, b. Memphis, Tenn, Mar. 24, 41; m. 60; c. 2. MARKETING, ECONOMICS. B.S., La. Polytech, 64; M.A., Alabama, 64, Ph.D. (bus. admin), 67. RESEARCHER MKT. ALABAMA, 64. ASSOC. PROF. MKT. & CO-PRIN, 67. Contract researcher, U.S. Pub. Bur. Rds. & Ala. Hwy. Dept., 64. Mkt. Asn.; Regional Sci. Asn. Consumer shopping-travel behavior; urban and regional planning; benefit-cost analysis; trading area and economic potential models; spatial aspects of marketing geography. Publ.: Co-auth. Psychometric measures of effects of inter-media advertising cues on choice, South. J. Bus., 4/69, Shift and share analysis: an approach to measuring growth patterns in retailing, J. Bus. Admin., summer 69 & A research note on major retail center patronage decisions, J. Mkt., 7/69; plus others. Address: Dept. of Marketing, Graduate School of Business, University of Alabama, University, Ala. 35486.
- MASON, PROF. LEONARD E(DWARD). Anthropology. See L-Z Vol, 11th ed, Soc. & Behav. Vols. New information: Emer. prof. anthropol., Hawaii, 69-; field trips coordinator, Verde Valley Sch., Sedona, Ariz., 69-70. Address: 5234 Keakealani St., Honolulu, Hawaii 96821.
- MASON, DR. PETER F., b. Modesto, Calif., June 26, 41; m. 64; c. 3. GEOGRAPHY. B.A., Fresno State Col, 63; M.A., Colorado, 65; Ph.D. (geog.), California, Los Angeles, 68. Asst. geog., Colorado, 63-65; Nat. Defense Ed. Act. Inst., Calif. State Col., Fullerton, summer 66; California, Los Angeles, 66-67; asst. prof., San Fernando Valley State Col., summer 67; instr., California, Los Angeles, 68; ASST. PROF., San Fernando Valley State Col., 68-69; geog. & urban studies, Occidental Col., summer 69; GEOG., CALIFORNIA, SANTA BARBARA, 69. AAAS; Asn. Am. Geog.; Asn. Pac. Coast Geog.; Am. Geog. Soc.; Nat. Coun. Geog. Res. Glacial geomorphology and quaternary studies; general resources: atmospheric pollution; urban environmental problems; general environmental studies. Publ.: Some changes in domestic iron mining as a result of pelletization, Ann. Asn. Am. Geog., 9/69; Spatial variance of atmospheric pollution in the United States, J. Ariz. Acad. Sci., 4/70; Spatial variability of atmospheric radioactivity in the United States, Proc. Asn. Am. Geog., 6/70. Address: Dept. of Geography, University of California, Santa Barbara, Calif. 93106.
- MASON, DR. ROBERT MORGAN, b. Cleveland, Ohio, July 26, 37. SPEECH. B.A., Denison, 59; M.S., Illinois, 61, Ph.D. (speech path), 65. Res. assoc. speech sci., Univ. Illinois Med. Center, 64-65, asst. prof., 65-66; assoc. prof. speech, Miami (Ore), 66-69, ASSOC. PROF. AUDIOL. SPECIAL PATH. TENNESSEE, 69. Consult., Cleft Palate Center, Univ. Illinois Med. Center, 66-67, Center for Craniofacial Anomalies, 67-68; dept. orthod. Univ. Kentucky, 70. Am. Speech & Hearing Asn.; Int. Soc. Cranio-Facial Biol. Publ.: Co-auth. The phenomenon of vocal vibrato, Bull. Nat. Asn. Teachers Singing, Vol. 22, No. 3; auth. Studies of oral perception involving subjects with alterations in anatomy, J. Physiol. In: Symposium on oral sensation and perception, Thomas, 67. Address: Dept. of Audiology & Speech Pathology, University of Tennessee, Knoxville, Tenn. 37916.
- MASON, DR. THOMAS R. Political Science. See L-Z Vol, 11th ed, Soc. & Behav. Vols. New position & address: Dir., 69, Office of Institutional Research, University of Colorado, Regent 3A, Boulder, Colo. 80302.
- MASOTTI, DR. LOUIS HENRY. Political Science. See L-Z Vol, 11th ed, Soc. & Behav. Vols. New position & address: Assoc. prof. polit. sci. & urban studies, 70-, Northwestern University, 2040 Sheridan Rd., Evanston, Ill. 60201.
- MASSEL, DR. MARK S. Economics, Law. See L-Z Vol, 11th ed, Soc. & Behav. Vols. New information: Independent int. consult., 68-. Address: 3306 Fessenden St. N.W., Washington, D.C. 20008.
- MASSMANN, DR. SYLVESTER H. Political Science, Philosophy. See L-Z Vols, 11th ed, Soc. & Behav. Vols. Change of address: 201 W. Silver Spruce, Flagstaff, Ariz. 86001.
- MASSON, DR. FRANCIS GEORGE. Economics, Public Administration. See L-Z Vol, 11th ed, Soc. & Behav. Vols. New position: Asst. dir. sector & mkt. anal. div. U.S. Agency Int. Develop. Address: 2400 Virginia Ave., N.W., Washington, D.C. 20037.
- MASTERS, DR. HENRY G(EOERGE), b. Rochester, N.Y., June 22, 36; m. 59; c. 2. PSYCHOLOGICAL PSYCHOLOGY, PRIMATE BEHAVIOR. A.B., Rochester, 58; M.A., Emory, 61; Oregon, 62-63; Ph.D. (physiol. psychol.), Kansas State, 68. Instr. PSYCHOL., Washburn, 65-68; ASST. PROF., JUNIATA COL., 68. Psychol. Asn. Brain function, particularly as it relates to perception; physiological regulation of body temperature, particularly its effect on human and subhuman performance. Publ.: Co-auth. Perception by monkeys: I. Psychophysical judgments of brightness by human and subhuman subjects, 20: 637-645 & A quantitative study of relevance in the formation of adaptive levels, 22: 743-749, Perceptual & Motor Skills; auth. The effect of high thermal stress exposure rate on human performance, Dissertation Abstracts, 68. Address: Dept. of Psychology, Juniata College, Huntingdon, Pa. 16653.
- MASTERS, DR. KENNETH W(HALEY), b. Jamaica Plain, Mass., Sept. 5, 24; m. 51; c. 2. ECONOMICS. Ph.D. (econ), Pennsylvania, 65. Instr. statist., Bryn Mawr Col., 53-55; dir. bur. statist., Pa. Dept. Internal Affairs, 55-61; UN adv. nat. income & indust. statist., Philippines, 61, econ. statist. adv. UN Develop. Prog., Nigeria, 61-67; ASSOC. PROF. SOC. SCI., PA. STATE, CAPITOL CAMPUS, 67- Statist. Asn.; Pop. Asn. Am. Economic and social statistics, including population analysis. Address: Dept. of Social Science, Pennsylvania State University Capitol Campus, Middletown, Pa. 17057.
- MASTERS, DR. ROGER D(AVIS). Political Science. See L-Z Vol, 11th ed, Soc. & Behav. Vols. New information: On leave from Dartmouth Col. as cult. attaché, Am. Embassy, Paris, 69-71. Address: American Embassy, U.S. Information Service, APO New York 09777.
- MATARAZZO, PROF. RUTH G(ABDOIS). Psychology. See L-Z Vol, 11th ed, Soc. & Behav. Vols. New position: Prof. med. psychol. med. sch., Oregon, 68. Address: 1934 S.W. Vista Ave., Portland, Ore. 97201.
- MATHEHY, DR. BEATRICE JOHNSON, b. Peoria, Ill., Dec. 11, 25; m. 52; c. 3. PSYCHOLOGY. B.S., Purdue, 47; M.A., Illinois, 50, Ph.D. (exp. psychol.), 53. RES. ASSOC. PSYCHOL., LIFE SCI., INC., 53. Instr. Univ. Illinois, 53-54; Univ. Texas, Arlington, 61-62; adj. asst. prof., Texas Christian Univ., 67. Psychol. Asn. Research and application in fields of testing, child development and educational and engineering psychology. Publ.: Co-auth. Obedience to rotation-inducing visual displays as a function of confidence in the display, Tech. Report, Spec. Devices Center, U.S. Navy, Pt. Washington, N.Y., 49, Comparative evaluation of pictorial and symbolic VOR navigation displays in the I-CA-1 Link trainer, Report 91, Div. Res., Civil Aeronaut. Admin., 7/50 & A simulator for studying human factors in air traffic control systems, Report 111, Cmt. Aeronaut. Psychol., Nat. Res. Coun., D.C., 31. Address: 7109 Richland Rd., Ft. Worth, Tex. 76118.
- MATHEHY, DR. RAY T., b. Los Angeles, Calif., Feb. 15, 25; m. 47; c. 5. ANTHROPOLOGY, ARCHAEOLOGY. B.A., Brigham Young, 60, M.A., 62; fel., Oregon, 63-64, Ph.D. (anthropol.), 68. Asst. archaeol., BRIGHAM YOUNG, 59-62, ASST. PROF. ARCHAEOLOG. & ANTHROP. 64- Brigham Young-New World Archaeol. Found. res. grant, Mex. & Nat. Sci. Found. res. grant archaeol., 68. U.S.A.F. 42-45, 51-57, M/Sgt. Soc. Am. Archaeol.; Anthropol. Asn. Middle American and Southwestern archaeology; peoples of the Middle East and Latin America. Publ.: Co-auth. Early oceanic migrations, Sci. Man, 61; auth. Value of aerial photography in surveying archaeological sites in coastal jungle regions, Am. Antiquity, 62; The ceramics of Aguacatal, Papers New World Archaeol. Found., 68. Address: Dept. of Anthropology, Brigham Young University, Provo, Utah 84601.
- MATHER, DR. JEAN PAUL. Economics, Statistics. See L-Z Vol, 11th ed, Soc. & Behav. Vols. New position & address: Head, 69-, Dept. of Mineral Economics, Colorado School of Mines, Metallurgy Bldg., 335, Golden, Colo. 80401.
- MATHER, PROF. WILLIAM G(REEN). Sociology. See L-Z Vol, 11th ed, Soc. & Behav. Vols. New information: Emer. res. prof., 69, Pennsylvania State University, 120 Temporary Office Bldg., University Park, Pa. 16802.
- MATHESON, DR. DOUGLAS W., b. Sunnyside, Wash., May 10, 39. PSYCHOLOGY. B.A., Whitman Col, 61; M.A., Claremont Grad. Sch., 66, Ph.D. (psy-ochol.), 67. Asst. prof. psychol., Chaffey Col., 65-67; vis. asst. prof., Southern California, 67-68; CHMN. DEPT. PSYCHOL., UNIV. OF THE PACIFIC, 68. Psychol. Asn. Perception; behavior modification. Publ.: Co-auth. Introduction to general experimental psychology, 68 & Contemporary topics in general experimental psychology, 70, Holt. Address: Dept. of Psychology, University of the Pacific, Stockton, Calif. 95204.
- MATTHEWS, DR. CHESTER ORA. Educational Psychology. See L-Z Vol, 11th ed, Soc. & Behav. Vols. New information: Retired, 68. Address: 5950 Encina Rd., Apt. 2, Goleta, Calif. 93017.
- MATTHEWS, DR. H. LEE, b. Cincinnati, Ohio, June 17, 39; m. 64; c. 1. MARKETING, CONSUMER BEHAVIOR. B.S., Illinois, 61; M.B.A., Ohio State,

- 64, Hill Found. fel, 64-65, Ph.D.(mkt), 66. ASST. PROF. MKT, PA. STATE, 65. Personal bankruptcy; consumer credit. Publ. Co-auth, Marketing strategies in the commercial bank credit card field, Am. Bankers Assn, 68, Socio-economic indicators and attitudinal determinants of consumer bankruptcy, Am. Mkt. Assn, 68 & Social class and consumer use of credit cards, J. Mkt, 1/69. Address: Dept. of Marketing, 120 Bouckie Bldg, Pennsylvania State University, University Park, Pa. 16801.
- MATHIOT, DR. MADELEINE. Ethnolinguistics, Sociolinguistics. See 5th ed, Dir. Am. Scholars, Vol. III, For. Lang, Ling. & Philol.
- MATHIS, DR. F(ERDINAND) JOHN. Economics. See L-Z Vol, 11th ed, Soc. & Behav. Vols. New position & address: Economist, 70-, Chase Manhattan Bank, 1 Chase Manhattan Plaza, New York, N.Y. 10015.
- MATHIS, DR. WILLIAM KARY, JR. b. Lubbock, Tex, July 17, 36; m. 6; c. 3. ECONOMICS, AGRICULTURAL ECONOMICS. B.S. Tech. Col, 58; Nat. Defense Ed. Act. fel, Texas A&M, 65-67, M.S. 67, Ford Found. fel, 67-69, Ph.D.(agr. econ), 69. Mgr. cattle ranch, Carrizozo, N.Mex, 61-62; asst. ext. agent, agr. exten. serv, Texas A&M, 62-65; ASST. PROF. AGR. ECON, FLORIDA, 69. U.S.A.F. 58-61, Res, 61-, Capt. Agr. Econ. Assn. Economics of trade and development; development planning; agricultural sector analysis. Publ. Co-auth, The Dominican beef industry, its organization and role in economic development, 67 & auth, An economic simulation model of the Cacao industry of the Dominican Republic, 69. Instr. Econ. Off, Texas A&M Univ; co-auth, Evaluating incentive payment programs through aggregate production response: the case of Mohair, South. J. Agr. Econ, 69. Address: Dept. of Agricultural Economics, 6109 McCarty Hall, University of Florida, Gainesville, Fla. 32601.
- MATHUR, DR. VIJAY K. b. Bulandshahr, India, June 30, 39; m. 66. ECONOMICS. B.A., Allahabad, 58, M.A., 60; Cmt. Urban Econ. Resources for Future tel, Wayne State, 69, Ph.D.(econ), 69. Instr. Econ, Wayne State, 67-68; CLEVELAND STATE, 68-69, ASST. PROF., 69-. Am. Econ. Assn; Regional Sci. Assn; Royal Econ. Soc. Urban occupational composition and income; cost benefit analysis; urban manpower problems; regional growth and trade. Publ. An economic analysis of crime production, Conf. Paper, Ohio Assn. Economists & Polit. Scientists, 4/70. Occupational mobility and its determinants: an intercity site class analysis, J. Regional Sci., 10/70. Address: Dept. of Economics, Cleveland State University, Cleveland, Ohio 44115.
- MATSON, DR. ROGER ALLEN, b. Minot, N.Dak, July 29, 38; m. 67. ECONOMICS. B.A., Concordia Col, 60; Ph.D.(econ), Colorado, 65; M.R.P., North Carolina, 70. Instr. econ, Montana, 63-64; U.S. Pub. Health Serv. trainee, 64-65; economist, regional studies staff, TENN. VALLEY AUTHORITY, 65-68, CHIEF ECON. RES. STAFF, 68-. Lectr. Tennessee, 69-70. Regional economics; urban development; population and labor mobility. Address: Tennessee Valley Authority, Knoxville, Tenn. 37901.
- MATTHESEN, DR. HALSEY H. b. Washington, D.C., Nov. 11, 36; m. 62; c. 2. PSYCHOLOGY. B.A., Illinois, 59, A.M., 62, Ph.D.(psychol), 63. Civilian scientist, U.S. Naval Submarine Med. Center, 63-65; ASST. PROF. PSYCHOL, TULANE, 65-. AAAS; Optical Soc. Am. Psychol. Assn. Visual sensory psychology; photometry; colorimetry; metacontrast; temporal factors in vision; motion and form perception. Publ. Co-auth, Color-mixture functions with a white desaturant, 65 & auth, Effects of surround size and luminance on metacontrast, 69, J. Optical Soc. Am; co-auth, Interacting sensitivity functions obtained in a contrast situation, Vision Res., 67. Address: Dept. of Psychology, Tulane University, New Orleans, La. 70118.
- MATTHEWS, PROF. DONALD R(OWE). Political Science. See L-Z Vol, 11th ed, Soc. & Behav. Vols. New position & address: Sr. fel, 70-, Brookings Institution, 1775 Massachusetts Ave. N.W., Washington, D.C. 20036.
- MATTHEWS, DR. HARRY GLEN, b. Springhill, La, Feb. 12, 39; m. 60; c. 4. POLITICAL SCIENCE. B.A., Centenary Col, 62; Lincoln Sch. Pub. Finance fel, Claremont Grad. Sch, 65-66, M.A., 66, Ph.D.(govt), 68. Instr. LaPuenta Union High Sch. Dist, Los Angeles County Schs, 64-66; ASST. PROF. POLIT. SCI., NORTHERN ARIZONA, 66-. Summers, assoc. prof. Tennessee, Chattanooga, 68, Univ. West Indies Prof. Training & Res. in Pub. Admin. for East Caribbean res. grant, 69 & Northern Arizona Univ. res. grant, Brit. W.I., 70. Polit. Sci. Assn; Int. Studies Assn. British West Indies, particularly foreign policy of the independent states and development problems. Publ. Attitudes toward training and development: a study of St. Lucia and St. Vincent, Soc. & Econ. Studies, (in press). Address: Box 5806, Northern Arizona University, Flagstaff, Ariz. 86001.
- MATTHEWS, PROF. WILLIAM P(ARKER). Psychology. See L-Z Vol, 11th ed, Soc. & Behav. Vols. New information: Also chm, 69-, Division of Behavioral Sciences & Education, High Point College, High Point, N.C. 27262.
- MATTHEWS, PROF. BERNARD D(EAN), b. Ohio, W. Va., Dec. 12, 35; m. 60; c. 2. PSYCHOLOGY, EDUCATION. B.A., Doane Col, 57; M.Ed., Nebraska, 62, Ed.D.(ed. psychol), 65. Instr. PSYCHOL, DANA COL, 62-64; asst. prof, 64-66, assoc. prof, 66-67, PROF., 67-. Psychol. Assn; Nat. Soc. Col. Teachers' Ed. Independence training and social values as correlates of academic achievement of children of various ethnic groups. Address: Dept. of Psychology, Dana College, Blair, Nebr. 68008.
- MATTHYSSE, DR. STEVEN, b. New York, N.Y., Aug. 27, 39; m. 62; c. 1. PSYCHOLOGY, BIOCHEMISTRY. B.S., Yale, 59, B.A., 60; Princeton, 60-61; Rockefeller Univ, 61-63; Ph.D.(clin. psychol), Harvard, 67. Asst. prof, Pitzer Col, 66-69; RES. FEL. PSYCHIAT, MASS. GEN. HOSP., 69-. AAAS; Psychol. Assn; Acad. Relig. Biochemical aspects of mental illness. Publ. On the uncertainty principle, Am. J. Physics, 60; co-auth, Passive stability in a metabolic network, J. Theoret. Biol, 64 & neurochemistry at the crossroads of neurobiology, Annual Rev. Biochem, 71. Address: Dept. of Psychiatry, Massachusetts General Hospital, Boston, Mass. 02114.
- MATTICK, HANS W(ALTER). Sociology, Criminology. See L-Z Vol, 11th ed, Soc. & Behav. Vols. New position: Co-dir, center studies criminal justice, law sch, Chicago, 69-. Address: 5615 S. Dorchester Ave, Chicago, Ill. 60637.
- MATTINGLY, DR. MARY R. b. Lima, Ohio, July 11, 40. POLITICAL SCIENCE. B.A., Dayton, 62; M.A., St. Louis, 64; Ph.D.(polit. sci), Mich. State, 69. Instr. polit. sci, Dayton, summers 63 & 64; polit. sci. & Am. hist., Our Lady of the Lake Col, 64-66; ASST. PROF. GOVT, TEXAS A&M, 69-. Polit. Sci. Assn. Behavioral research on the United States Supreme Court; work done on the Hughes and Warren courts. Address: Dept. of Government, Texas A&M University, Kingsville, Tex. 73863.
- MATTY, DR. HENRY BENJAMIN. Psychology. See L-Z Vol, 11th ed, Soc. & Behav. Vols. New information: Co-ad. lectr, Rutgers, 69-. Address: Towers of Windsor Park, 8-R Kyoto, Cherry Hill, N.J. 08034.
- MAUCK, DR. WILLFRED. International Relations. See L-Z Vol, 11th ed, Soc. & Behav. Vols. Change of address: 8221 Cindy Lane, Bethesda, Md. 20834.
- MAUER, DR. GEORGE JOSEPH. Political Science. See L-Z Vol, 11th ed, Soc. & Behav. Vols. New position & address: Dir, 70-, Center for Urban Studies, University of Akron, Akron, Ohio 44304.
- MAULDIN, W(AYMAN) PARKER. Sociology. See L-Z Vol, 11th ed, Soc. & Behav. Vols. New position: V-pres, 69-, Population Council, 245 Park Ave, New York, N.Y. 10017.
- MAUNDER, ELWOOD R. American History. See 5th ed, Dir. Am. Scholars, Vol. I, Hist.
- MAUNG, DR. N. ISMAEL K(HIN), b. Kyaikto, Burma, Feb. 5, 32; c. 2. SOCIOLOGY, DEMOGRAPHY. B.A., Rangoon, 55; Colorado, 58-59; M.A., Chicago, 61, Ph.D.(sociol), 66-. Asst. prof. SOCIOL, Mankato State Col, 64-66; Hamline, 66-67; Temple Buell, 61, 67-69; ASSOC. PROF., MONTANA STATE, 69-. Sociol. Assn. Differential fertility in underdeveloped areas; comparative urbanization; planning and development of small communities; scientific creativity and organizational setting; interdisciplinary evaluation of the concept of a world community. Publ. The Arab contribution to mathematics, Univ. Rangoon Mag, 54. Address: Dept. of Sociology, Montana State University, Bozeman, Mont. 59715.
- MAURER, DR. JOHN GEORGE. Management Economics. See L-Z Vol, 11th ed, Soc. & Behav. Vols. New position: Assoc. prof, School of Business, Wayne State University, Detroit, Mich. 48202.
- MAURER, DEAN ROBERT L(EONARD). Psychology. See L-Z Vol, 11th ed, Soc. & Behav. Vols. New position: Dean grad. studies, 69-, California State Polytechnic College, 3801 W. Temple Ave, Pomona, Calif. 91766.
- MAUSER, PROF. FERDINAND F(RANK). Marketing. See L-Z Vol, 11th ed, Soc. & Behav. Vols. Change of address: 1725 Burns Dr, Detroit, Mich. 48214.
- MAUSER, DR. GARY ARTHUR, b. Torrance, Calif., Jan. 28, 42; m. 69. BEHAVIORAL SCIENCE. A.B., California, Berkeley, 64; Nat. Sci. Found. fel, California, Irvine, 68-69, Ph.D.(psychol), 70. Teaching asst. psychol, Calif. State Col. Long Beach, 65-66; soc. sci., California, Irvine, 66-68, res. asst, 68-70, asst. prof, summer 70; FEL, LANG. & BEHAV. LAB., CALIFORNIA, BERKELEY, 70-. Consult. Mkt. Struct. Studies, Inc., 69-70. Psychol. Assn; Polit. Sci. Assn; Statist. Assn. Scaling and measurement theory; psycholinguistics; elections and voting behavior. Publ. A structural approach to predicting patterns of electoral substitution, Stanford Univ, 70; Predicting patterns of competition in multiple candidate elections, Proc. Am. Psychol. Assn. Convention, 69. Address: 706 Shalimar Dr, Costa Mesa, Calif. 92627.
- MAUSS, DR. ARMAND LIND, b. Salt Lake City, Utah, June 5, 28; m. 51; c. 8. SOCIOLOGY. B.A., Sophia Univ., Japan, 54; M.A., California, Berkeley, 57, Ph.D.(sociol), 70. Teacher, Stanley Intermediate Sch, Calif., 57-59; Aca-lanes High Sch, 59-62; instr. social & soc. sci., Diablo Valley Col, 62-67; ASSOC. PROF. SOCIOL, Utah State, 67-69; WASHINGTON STATE, 69-. Sociol. Assn; Soc. Sci. Study Relig. Sociology of religion and education; sociology of deviance; urban and political sociology; race relations. Publ. Mormonism and secular attitudes toward Negroes, Pacific Sociol. Rev., fall 66; The reluctant right: right wing anti-communism among libertarian university students, Sociol. Ed., winter 67; Anticipatory socialization as a factor in adolescent marijuana use, Soc. Probs, winter 69. Address: Dept. of Sociology, Washington State University, Pullman, Wash. 99163.
- MAYES, DR. PAUL BENJAMIN. Religious Education, Social Psychology. See 5th ed, Dir. Am. Scholars, Vol. IV, Philos, Relig. & Law.
- MAXSON, DR. STEPHEN C. Biopsychology, Behavior Genetics. See Suppl. V & VI to 11th ed, Phys. & Biol. Vols.
- MAXWELL, DR. JAMES D. b. Chesley, Ont, Mar. 18, 38; m. 63; c. 2. SOCIOLOGY. B.A., Toronto, 60, dipl. hosp. admin, 63; Can. Coun. fel. & Ph.D., Cornell, 69. ASST. PROF. sociol. orgs, faculty commerce & med. soc., faculty med, British Columbia, 67-69; SOCIOL, QUEEN'S (ONT), 69-. Am. Sociol. Assn; Can. Sociol. & Anthropol. Assn. Hospital administration; medical sociology; sociology of organizations; sociology of work and professions. Address: Dept. of Sociology, Queen's University, Kingston, Ont, Can.
- MAYNARD, DR. MARTHA J(ANE). Psychology. See L-Z Vol, 11th ed, Soc. & Behav. Vols. New position & address: Dir. reading & study skills serv, 68-, Counseling Center, University of California, Bldg. T-S, Berkeley, Calif. 94720.
- MAY, PROF. FREDERICK EDWARD, b. Mannheim, Germany, Dec. 22, 25; U.S. citizen; m. 52; c. 4. MARKETING, ECONOMICS. B.A., Michigan, 49,

- M.B.A., 55, Ford Found. fel. 56-57, Ph.D. (bus. admin), 58. Asst. study dir. econ. behav. Surv. Res. Center, Michigan, 54-58, instr. MKT, univ. 58-59; asst. prof., Missouri-Columbia, 59-62, assoc. prof., 62-67; vis. prof., Texas, Austin, 67-69; PROF. MISSOURI-ST. LOUIS, 69- U.S. Dept. Pub. Rds. & Mo. Hwy. Dept. grants, 60-63; Mo. Retail Assn. grant, 64-65; Ford Found. res. prof., 65-66. Consult., U.S. Dept. Pub. Rds. & Mo. Hwy. Dept., 60-63. Expert witness, cnt. hwy. sts. & rds. Mo. House of Rep., 60; ways & means cnts. Mo. House of Rep. & Senate, 64. U.S.A., 44-46. Mkt. Assn. Consumer behavior; buying behavior; brand loyalty; conflict between business and public interest in controlling the environment, particularly air and water pollution. Publ. Promotion to the replacement market, Bus. & Govt. Rev., 5/63; Buying behavior: some research findings, J. Bus. Univ. Chicago, 10/65; Adoptive behavior in automobile brand choices, J. Mkt. Res., 2/69. Address: Dept. of Marketing, University of Missouri-St. Louis, St. Louis, Mo. 63121.
- MAY, RUSSELL (ARNELLE), JR. Industrial Psychology. See L-Z Vol., 11th ed, Soc. & Behav. Vols. Change of address: Naval Personnel & Training Research Lab, San Diego, Calif. 92152.
- MAYBURY-LEWIS, PROF. DAVID H(ENRY) P(ETER). Social Anthropology. See L-Z Vol., 11th ed, Soc. & Behav. Vols. New position: Prof., 69-, Dept. of Anthropology, Harvard University, Cambridge, Mass. 02138.
- MAYER, DR. LAWRENCE CLARK, b. Chicago, Ill. Feb. 12, 36; m. 63; c. 1. POLITICAL SCIENCE. A.B. Florida, 58; M.A. (sociology), Berkeley, 62; Ph.D. (govt), Texas, Austin, 68. Teacher, high schs., Calif., 62-64; ASST. PROF. comp. meth. & law, Calif. State Col. Fullerton, 66-67; meth. odology, Miami (Fla), 68-69; COMP. METHODOLOGY, TEXAS TECH, 69-Nat. Guard, 58-63. Polit. Sci. Asst. Prof. Federalism and party behavior in Australia and Canada, West. Polit. Quart., 70. Address: Dept. of Government, Texas Tech University, Lubbock, Tex. 79409.
- MAYER, PROF. MORRIS LEHMAN. Marketing, Economics. See L-Z Vol., 11th ed, Soc. & Behav. Vols. New information: Also head, 69-, Dept. of Marketing, Graduate School of Business, University of Alabama, University, Ala. 35486.
- MAYER, DR. THOMAS F. Sociology. See L-Z Vol., 11th ed, Soc. & Behav. Vols. New position & address: Assoc. prof., 69-, Dept. of Sociology, University of Colorado, Boulder, Colo. 80302.
- MAYER, DR. VICTOR J(AMES). Geology, Science Education. See Suppl. VI to 11th ed, Phys. & Biol. Vols.
- MAYERS, DR. ALAN E., b. New York, N.Y. Oct. 1, 32; m. 59; c. 2. COMMUNICATIONS. A.B. Princeton, 54; M.S. Boston, 59; Ph.D. (commun. res), Stanford, 65. Researcher, ed. TV res. proj., center int. studies, Mass. Inst. Tech., 59-60; soc. sci. analyst, U.S. Info. Agency, 60-62; asst. prof. commun. sch. med. Tulane, 65-67; soc. scientist, div. med. care admin, U.S. Pub. Health Serv., U.S. DEPT. HEALTH, ED. & WELFARE, 67-68, res. psychologist, NAT. CENTER HEALTH SERV. RES. & DEVELOP., 68-69, EXEC. SECY. HEALTH SERV. RES. TRAINING CMT., 69- U.S.A., 54-57. Asst. Pub. Opinion Res; Pub. Health Assn; Asn. Ed. in Journalism; Nat. Assn. Ed. Broad-casters. Communication research; health services research; attitude formation and change; educational research; health information and health behavior; community organization and social change; diffusion of innovations. Address: 1718 Wilmart St., Rockville, Md. 20852.
- MAYFIELD, DR. CLIFTON E(LVANS). Psychology. See L-Z Vol., 11th ed, Soc. & Behav. Vols. New position & address: Dir., res.-69-, Southern Connecticut State College, 501 Crescent St., New Haven, Conn. 06515.
- MAYFIELD, DR. JAMES BRUCE, b. San Francisco, Calif. Dec. 14, 34; m. 59; c. 4. POLITICAL SCIENCE. B.S. Utah, 58; M.A., 59; Ph.D. (govt), Texas, 68. ASST. PROF. POLIT. SCI., UTAH, 67- U.S.A., 59-64, Capt. Polit. Sci. Asn. Comparative public administration; utilization of advanced group dynamics techniques for training in administration; surveys-polling and sample designing; research methodology; politics of the Middle East. Publ. Institutions and politics of rural Egypt: their implication for political legitimization, Univ. Tex., 68; The Arab Socialist Union in rural Egypt: a study in organizational structure and function, Univ. Utah, 70; The Arab-Israeli war, Dialogue, summer 69. Address: 4518 Brockbank Dr., Salt Lake City, Utah 84117.
- MAYHEW, DR. BRUCE HAGER, JR., b. Barboursville, Ky. Jan. 3, 37; m. 62. SOCIOLOGY. B.A. Kentucky, 61, M.A., 63, Ph.D. (sociol), 66. Asst. Prof. SOCIOLOGY, Washington State, 66-69; RES. ASSOC. VANDERBILT, 69-U.S.N., 54-57. A.A.A.S.; Sociol. Asn.; Soc. Gen. Sys. Res. Mathematical models of social systems. Publ. Co-auth. Influence attempts and effective power, 68 & Behavioral measurement of operating power structures, 69. Sociometry; Differentiation, restraint, and the asymmetry of power, Human Rel., 69. Address: Box 1811, Station B, Vanderbilt University, Nashville, Tenn. 37203.
- MAYHEW, ROBERT R(OYCE). Sociology. See L-Z Vol., 11th ed, Soc. & Behav. Vols. New position: Asst. prof., Lakeland Col., 70- Address: R. 2, Toledo, Ill. 62468.
- MAYNARD, DR. BETTY JANETTE, b. Bastrop, Tex. Sept. 28, 26. SOCIOLOGY. B.A. Baylor, 48; M.A. Stanford, 54; Ph.D. (sociol), Texas, Austin, 67. Secy. U.S. Info. Serv., U.S. Embassy, Managua, Nicaragua, 49-51, Paris, France, 51-53; job analyst, Fireman's Fund Ins. Co., 54-56; res. assoc. behav. sci., Stanford Res. Inst., 58-61; ASST. PROF. SOCIOLOGY, Texas, Austin, 66-68; SOUTHERN THRODST, 68- Sociol. Asn. Popul. Asn. Population characteristics, especially labor force, migration and human ecology; methods of sociological research. Publ. Co-auth. Population trends in Texas, Pub. Affairs Comments, 5/62; auth. Population estimates for Texas counties, Tex. Bus. Rev., 3/68; co-auth. Prestige and socioeconomic rank of occupations, Soc. Sci. Quart., 9/69. Address: Dept. of Sociology, Southern Methodist University, Dallas, Tex. 75222.
- MAYOR, DR. THOMAS H. Economics. See L-Z Vol., 11th ed, Soc. & Behav. Vols. New position & address: Assoc. prof., 69-, Dept. of Economics, University of Houston, Houston, Tex. 77004.
- MAZEK, DR. WARREN F., b. Pittsburgh, Pa. Oct. 14, 38; m. 60; c. 2. ECONOMICS. A.B. Washington & Jefferson Col., 60; M.A. Indiana, 62. Eco-urban Econ. of Resources for Future fel., Pittsburgh, 63-64, Ph.D. (econ), 65. ASST. PROF. ECON. Col. Wooster, 65-67; FLA. STATE, 67- Nat. Sci. Found. res. participant, Iowa State, 66, acad. year exten. grant, 66-67; Fla. State Univ. faculty summer res. grant, 69. Econ. Asn.; Regional Sci. Asn.; Economet. Soc. Regional economic development. Publ. Unemployment and migration: the case of laborers, J. Regional Sci., 4/69; co-auth. Corporate debt structure and the differential effects of monetary policy, South. Econ. J., 4/69; auth. Regional development: policies and experiences in Yugoslavia, Fla. State Univ. Slavic Papers, 69. Address: 2123 Spence Ave., Tallahassee, Fla. 32303.
- MAZURKIEWICZ, DR. JOSEPH F(RANCIS). Clinical Psychology, Criminology. See L-Z Vol., 11th ed, Soc. & Behav. Vols. New position: Supt. Pa. Bur. Correction, 68-, State Correctional Institution at Philadelphia, 2107 Fairmount Ave., Philadelphia, Pa. 19130.
- MAZZOLA, DR. MICHAEL LEE. Romance Linguistics. See 5th ed, Dir. Am. Scholars, Vol. III, For. Lang. Ling. & Philol.
- MEAD, DR. DAVID L(EE), b. Paris, France, July 27, 28; U.S. citizen; m. 60; c. 3. SOCIOLOGY, PSYCHOLOGY. B.A., California Western, 65; M.A., 67, Ph.D. (psychol), U.S. Int. Univ., 68. Asst. prof. soc. psychol., U.S. Int. Univ. Calif. West. Campus, 68-69, asst. prof. sociol. & anthropol. & asst. dean grad. sch. arts & sci., Elliot Campus, 69-70; ASSOC. PROF. SOCIOLOGY, MAINE, 70- Consult., Poway Unified Sch. Dist., 69-70. U.S.A., 45-63, Maj. Psychol. Asn; Int. Doctoral Soc. (pres., 68). Social psychological research pertaining to topographic and ethnological problems relating to conflict and social inequities—world wide. Publ. A historical and sociological study of South Vietnam's social inequities, 67 & Relationship between North and South Vietnam: unilateral or bilateral coexistence?, 68. U.S. Int. Univ. Vietnam: a social order for conflict, Doctoral Soc. J., 6/68. Address: Dept. of Sociology, University of Maine, Orono, Maine 04473.
- MEAD, DR. D(ONALD) EUGENE, b. Mansfield, Ohio, Sept. 30, 34; m. 54; c. 2. COUNSELING. B.A. Oregon, 56, Ed.D. (counseling, psychol), 67; M.A., San Jose State Col., 63. ASST. PROF. CHILD DEVELOP. & FAMILY RELS., BRIGHAM YOUNG, 67- U.S.A.F., 57-61, 1st Lt. Psychol. Asn; Asn. Marriage Couns.; Nat. Coun. Family Rel. Marriage and family interaction; counselor training in marriage and family counseling. Publ. Co-auth. Comparison of a projective and a non-projective assessment of parent attitudes, J. Genetic Psychol., 65. Address: Dept. of Child Development & Family Relationships, Brigham Young University, Provo, Utah 84601.
- MEAD, DR. JOHN F., b. Detroit, Mich. Sept. 16, 26; m. 50; c. 1. ECONOMICS. B.S. Wisconsin, 53; M.A. Tulane, 64; Ph.D. (econ), Kentucky, 68. Instr. ECON. Kentucky, 64-66; asst. prof., Toledo, 66-67; LOUISVILLE, 67-69, ASSOC. PROF., 69- U.S.A.F., 45, 47-49, Sgt. Indust. Res. Res. Asn. Mediation; labor. Publ. Union scholarship programs, 5/65 & co-auth. Jurisdictional problems in mediation, 4/69, Monthly Labor Rev.; co-auth. The Toledo labor-management citizens committee, Labor Law J., 11/69. Address: Dept. of Economics, University of Louisville, Louisville, Ky. 40208.
- MEADE, DR. MARVIN, b. Hays, Kans. Feb. 5, 26; m. 60; c. 2. POLITICAL SCIENCE, PUBLIC ADMINISTRATION. A.B. Ft. Hays Kans. State Col., 50; M.A. Kansas, 51; Ph.D. (pub. admin), Southern California, 68. Res. analyst, govt. res. center, Univ. Kans., 51-54, asst. dir., 55-62; res. assoc. org. change & develop., inst. soc. res. & inst. pub. admin, Univ. Michigan, 64-66, proj. dir., inst. soc. res., 67-68; ASSOC. PROF. POLIT. SCI. & PUB. ADMIN., KENT STATE, 68- Consult. water resources development, State Chamber of Commerce, Kans., 53-57; govt. org. & mgt., numerous state govt. agencies & municipalities, Kans., 55-62. U.S.A.F., 44-46, S/Sgt. Polit. Sci. Asn; Soc. Pub. Admin. Administrative organization, theory and behavior; organizational theory; organizational change and development. Publ. Co-auth. Missouri: land and water, U.S. Govt. Printing Off., 63; auth. Government and natural resources in Kansas: soil, Govt. Res. Center, Univ. Kansas, 59; co-auth. A study of personal and community information in the Southeast Michigan six-county region, Metrop. Fund, Inc., Detroit, Mich., 68. Address: Dept. of Political Science, Kent State University, Kent, Ohio 44240.
- MEADE, PROF. ROBERT D. Experimental Psychology. See L-Z Vol., 11th ed, Soc. & Behav. Vols. New information: Also dir., 69-, Center for Cross Cultural Research, Western Washington State College, Bellingham, Wash. 98225.
- MEADOR, PROF. ROWE MORGAN, b. Alvord, Tex. July 4, 15; m. 43; c. 2. MARKETING. B.S. North Texas State, 38, M.B.A., 51; Ph.D. (mkt. econ), Arkansas, 58. Asst. prin. acct., Draughon's Bus. Col., 48-49, prin. 49-50; lect. gen. bus., North Texas State, 50-51; instr., MKT. Arkansas, 51-53, asst. prof., 53-55; NORTH TEXAS STATE, 55-57, assoc. prof., 57-59, PROF., 59- U.S.A.A.F., 42-45, S/Sgt. Mkt. Asn; Sales & Mkt. Execs. Int. Wholesale; transportation. Publ. Building sales to established customers, 62 & co-auth. Pricing your services for profit, 63, Small Bus. Admin.; auth. Changes in sales of selected standard statistical metropolitan areas in the United States, South. J. Bus., 68. Address: Dept. of Business Administration, North Texas State University, Denton, Tex. 76203.
- MEADOWS, PROF. MARTIN. Political Science. See L-Z Vol., 11th ed, Soc. & Behav. Vols. New position: Prof., 69-, School of Government, American University, Washington, D.C. 20016.
- MEADOWS, PROF. PAUL. Sociology. See L-Z Vol., 11th ed, Soc. & Behav. Vols. New publ. Urbanization, urbanism and change, Addison-Wesley, 68. Address: State University of New York at Albany, Albany, N.Y. 12203.
- MEAGHER, PROF. ROBERT FRANCIS. International Law & Development. See 5th ed, Dir. Am. Scholars, Vol. IV, Philos. Relig. & Law.

- MEALS, DR. DONALD W. Psychology. See L-Z Vol. 11th ed, Soc. & Behav. Vols. New position: Sr. consult, Arthur D. Little, Inc, Cambridge, 68- Address: 15 Thoreau Rd, Lexington, Mass. 02173.
- MEANS, PROF. RICHARD LAWRENCE, b. Detroit, Mich, Dec. 1, 30; m. 53; c. 3. SOCIOLOGY. B.A., Kalamazoo Col, 52; B.D., Colgate Rochester Divinity Sch, 56; M.A., Cornell, 59, Ph.D.(social), 64. Asst. prof. to PROF. SOCIOL. KALAMAZOO, 61- Vis. lectr. Yale, 67-68. AAS: Soc. Sci. Soc. Sci. Study Relig. Sociology of religion; sociology and history; sociology of conservation and natural resources. Publ: The ethical imperative, Doubleday, 69; Why worry about nature, Saturday Rev, 12/67; The new conservation, Natural Hist, 8-9/69. Address: Dept. of Sociology, Kalamazoo College, Kalamazoo, Mich. 49001.
- MEASEL, DR. WESLEY W. Social Science. See L-Z Vol. 11th ed, Soc. & Behav. Vols. New position: Exp. sch. dir. Canton Pub. Schs, Ohio 69- Address: 2525 31st St N.W., Canton, Ohio 44709.
- MECHAM, DR. R. LALPH. Public Administration. See L-Z Vol. 11th ed, Soc. & Behav. Vols. New position & address: Fed. co-chmn, 69-, Four Corners Regional Commission, Room 1898 Commerce Dept. Bldg., Washington, D.C. 20230.
- MECHANIC, DR. ARNOLD. Psychology. See L-Z Vol. 11th ed, Soc. & Behav. Vols. New position: Prof. Dept. of Psychology, California State College, Hayward, Calif. 94542.
- MECHERIKOFF, DR. MICHAEL, JR., b. Los Angeles, Calif, Dec. 16, 32; m. 69. PSYCHOLOGY. B.A., Westmont Col, 54; M.A., Minnesota, 56, Ph.D. (psychol), 55. Asst. prof. psychol, Westmont Col, 58-65, assoc. prof, 66-68; vis. prof, Northwest Col, 65-66; RES. PSYCHOLOGIST, HUMAN FACTORS RES, INC, 68- Psychol. Asn; Am. Sci. Affiliation. Learning; verbal behavior; statistics; human factors. Address: Human Factors Research, Inc, 6780 Cortona Dr, Goleta, Calif. 93017.
- MECKLING, DEAN W.(WILLIAM) (HENRY), b. McKeesport, Pa. Sept. 20, 21; m. 45; c. 5. ECONOMICS, STATISTICS. B.A., Westminster Col(Pa), 42; M.B.A., Denver, 47; Noyes fel, Chicago, 49-52. Instr. econ, Denver, 47-49; asst. prof, Butler, 52-53; asst. dir. bur. govt. res, Indianapolis Chamber Commerce, 53-55; econ. analyst, Rand Corp, Calif, 55-62; dir. naval warfare anal. group, Center Naval Anal, Arlington, Va, 63-64; PROF. BUS. ADMIN. & DEAN COL. BUS. ADMIN. ROCHESTER, 64- mem, bd. overseers, center naval anal. Mem. Coun. Econ. Adv. N.Y. State; bd. dirs, Superba Cravats, Inc; bd. dirs, Rochester Urban League. U.S.A.A.F, 42-46. Econ. Asn; Opers. Res. Asn; Govt. Res. Asn; Financial Excs. Inst. Domestic and international uses of frequencies spectrum; economic and systems analysis; role and function of private property. Publ: Economics and space technology, Bull. Atomic Scientists, 5/63; co-auth. Long range prediction and systems analysis, Symposium Naval Opers. Res, 6/63; auth. Management of the frequency spectrum, Washington Univ. Law Quart, winter 68. Address: College of Business Administration, University of Rochester, Rochester, N.Y. 14627.
- MEDALLA, PROF. NAHUM Z(EITLIN). Sociology. See L-Z Vol. 11th ed, Soc. & Behav. Vols. New position: Prof. social, Oakland, 69- Address: 1721 Bedford Square, Apt. 101, Rochester, Mich. 48063.
- MEDDN, DR. DOUGLAS LEE, b. Estherville, Iowa, June 13, 44; m. 66. PSYCHOLOGY. B.A., Moorhead State Col, 65; M.A., South Dakota, 66, N.A.S.A. fel, 66-68, Ph.D.(psychol), 68. U.S. Pub. Health Serv. fel. PSYCHOL, ROCKEFELLER UNIV, 68-69, ASST. PROF, 69- Mathematical models; perception in non-verbal organisms; comparative psychology; primate learning. Publ: Co-auth. Perception of vertically by monkeys, 65 & auth. Form perception and pattern reproduction by monkeys, 69. J. Comp. & Physiol. Psychol. S-R separation with monkeys, Psychonomic Sci, 68. Address: Dept. of Psychology, Rockefeller University, York & 66th, New York, N.Y. 10021.
- MEDLIN, PROF. WILLIAM (KENNETH). Political Science. See L-Z Vol. 11th ed, Soc. & Behav. Vols. New information: Also prof. prog. ed. planning for community & nat. develop, 69-, School of Education, University of Michigan, Ann Arbor, Mich. 48104.
- MEDNICK, PROF. SARNOFF (ANDREI). Psychology. See L-Z Vol. 11th ed, Soc. & Behav. Vols. New position & address: Prof, 68-, Graduate Faculty, New School for Social Research, 65 Fifth Ave, New York, N.Y. 10003.
- MEDSGER, COL. GERALD WILLIAM, U.S.A. Physics, Mathematics. See Suppl. VI to 11th ed, Phys. & Biol. Vols.
- MEGILL, DR. KENNETH ALDEN. Philosophy. See 5th ed, Dir. Am. Scholars, Vol. IV, Philos, Relig. & Law.
- MEGNIN, DR. DONALD F., b. Syracuse, N.Y., Dec. 10, 28; m. 60; c. 1. POLITICAL SCIENCE. A.B. Syracuse, 54, M.A., 65, Cokesbury fel, Shell Found. fel. & Ph.D.(polit. sci), 68; S.T.B., Boston, 60. Lectr. Eng, Chulalongkorn, Bangkok, 54-56; paris. minist. DelWich Community Church, N.Y. 56-57; minister, First Ward Methodist Church, Syracuse, 60-63; ASSOC. PROF. POLIT. SCI, SLIPPERY ROCK STATE COL, 67-, ASST. V.PRES. ACAD. AFFAIRS, 68- Polit. Sci. Asn. German economic assistance to India, analysis of its principles and effects on Indo-German relations. Address: R.D. 3, Grove City, Pa. 16127.
- MEHLINGER, DR. HOWARD DEAN. Modern Russian History. See 5th ed, Dir. Am. Scholars, Vol. I, Hist.
- MEHOK, WILLIAM J. S.J., b. Dresden, N.Dak, Aug. 30, 13. STATISTICS. B.A., St. Louis, 36, Ph.L., 37, M.A., 38; St. Mary's Col.(Kans), 40-45; Michigan, 63. Teacher, Marquette Univ. High Sch, 38-40; asst. to exec. dir. Jesuit Ed. Asn, New York, N.Y. 46-55; statistician, Jg. Jesuit Order, Rome, Italy, 55-66; RES. ASSOC. STATIST, CAMBRIDGE CENTER SOC. STUDIES, 66- Con-sult, Am. Jesuit personnel res. proj, Cmn. Total Develop. Jesuit Priest, 67-68; Jesuit int. geog. anal. trends, Gen. of Society Jesus, Rome, 68; gen. surv. overview of AS. assistance, Nat. Off. Pastoral Res, Chicago, Ill, 69. Managing ed, Jesuit Ed. Quart, 46-55. Statist. Asn. Educational administration and publication at national and international levels; scientific study of religion; education, manpower and religious surveys; teaching languages, statistics and research methods. Publ: Statistica, Gregorian Univ, Rome, 60, 62; Some notes on the teaching manpower of the Jesuit Order, Jesuit Ed. Asn, New York, 65; Jesuit schools: Jesuit international schools survey and directory, Cambridge Center Soc. Studies, 69. Address: Dept. of Statistics, Cambridge Center for Social Studies, 42 Kirkland St, Cambridge, Mass. 02138.
- MEHRA, DR. JAGDISH, b. Amritsar, India, Nov. 12, 35. ECONOMICS. B.A., Rajasthan, 55, M.A., 57; Ph.D.(econ), State Univ. N.Y. Buffalo, 69. Asst. prof. econ, Indian univ, 57-60; eng. econ, Birla Inst. Tech. & Sci, India, 60-62; instr. ECON, State Univ. N.Y. Buffalo, 62-65; ASST. PROF, YOUNGS-TOWN STATE, 65- Econ. Asn; Economet. Soc. Optimum growth with two-sector model and positive shadow wages in a one input consumption and sur-plus labor and regional economics; regional growth; economic planning. Publ: India's power resources, Hindustan Standard, 59; A socio-economic survey of Khadda Village, Modern Rev, 61. Address: Dept. of Economics, Youngs-town State University, Youngstown, Ohio 44503.
- MEHREN, DR. GEORGE L(OUIS). Agricultural Economics. See L-Z Vol. 11th ed, Soc. & Behav. Vols. New position: Pres, The Agribusiness Council, Inc, 68- Address: 200 East 71st St, Apt. 5-A, New York, N.Y. 10021.
- MEHRENS, PROF. WILLIAM ARTHUR, b. Lordsburg, N.Mex, Sept. 20, 37; m. 59 c. 2. EDUCATIONAL PSYCHOLOGY. B.S., Nebraska, 58; M.Ed, 59; Nat. De-fense Ed. Act fel, Minnesota, 62-65, Ph.D.(ed. psychol), 65. Teacher, Ramsey Jr. High Sch, 59-61; West High Sch, Minneapolis, Minn, 62-63; instr. ED. PSY-CHOL, Minnesota, 64-65; asst. prof, MICH. STATE, 65-67, assoc. prof, 67-70, PROF, 70- Asst. dir. res. & statist, Nat. Assessment Prog, 68-69. Ed. Res. Asn; Psychol. Asn; Personnel & Guid. Asn; Nat. Coun. Measurement in Ed; Nat. Soc. Study Ed. Educational measurement. Publ: Co-auth. Principles of educational and psychological measurement: a book of selected readings, Rand McNally, 67; Standardized tests in education, Holt, 69 & Contemporary issues in educational psychology, Allyn & Bacon, 70. Address: Dept. of Educational Psychology, 460 Erickson Hall, Michigan State University, East Lansing, Mich. 48823.
- MEIHOFER, DR. HANS-JOACHIM, b. Tilsit, Germany, Aug. 9, 39; U.S. citizen. GEOGRAPHY. B.A., Wayne State, 61, M.A., 63; Ph.D.(geog), Washing-ton (Seattle), 69. ASST. PROF. GEOG, San Fernando Valley State Col, 66-68; SAN FRANCISCO STATE COL, 68- Asn. Am. Geog. Regional Sci. Asn; Asn. Asian Studies; Am. Geog. Soc. Symbol and color perception in cartog-raphy, Locational and psychological measurement: a book of selected readings, as an effective cartographer symbol, Can. Cartographer, 12/69. Address: Dept. of Geography, San Francisco State College, San Francisco, Calif. 94132.
- MELICKE, DR. CARL A., b. Regina, Sask, Apr. 26, 35; m. 61; c. 3. SOCIOLOGY. B.Sc., Regina, 57; B.A., Toronto, 59; Teacher, Ed. Min-nesota, 61-63, Ph.D., 67. Instr. mgt. theory, Saskatchewan, 59-61; res. asst. social, Minnesota, 63-64; res. assoc, Washington (Seattle), 65-65; asst. prof, ALBERTA, 65-67, ASSOC. PROF. SOCIOL. & HEALTH SERV. ADMIN. & DIR. DIV. HEALTH SERV. ADMIN, 67- Mem. health serv. res. submt, Dept. Nat. Health & Welfare, 69-70; prin. investr. Soc. opportunity for health care in an Alta. region, Human Resources Res. Coun, 69-70; Socio. Asn. Col. Hosp. Adminstr. Sociology of large scale organizations; health ser-vices administration. Address: Division of Health Services Administration, University of Alberta, Edmonton 7, Alta, Can.
- MEINKE, DR. DEAN L(EE). Educational Psychology, Psychology. See L-Z Vol. 11th ed, Soc. & Behav. Vols. Change of address: 2439 Goddard, Toledo, Ohio 43606.
- MEINSTER, DR. DAVID R., b. Philadelphia, Pa. Dec. 27, 41; m. 69. ECO-NOMICS. B.S., Wilkes Col, 63; Ph.D.(econ), Brown, 69. ASST. PROF. FI-NANCE, TEMPLE, 68- Econ. Asn; Finance Asn. Incidence of property tax in the United States. Address: Dept. of Finance, School of Business Administration, Philadelphia, Pa. 19122.
- MEISEL, DR. WILLIAM STUART. Electrical Engineering, Computer Science. See Suppl. V to 11th ed, Phys. & Biol. Vols.
- MELAMID, PROF. ALEXANDER. Economic Geography. See L-Z Vol. 11th ed, Soc. & Behav. Vols. New position: Prof. econ, N.Y. Univ, 68- Address: 15 Ellsworth Ave, Yonkers, N.Y. 10705.
- MELBIN, DR. MURRAY. Sociology. See L-Z Vol. 11th ed, Soc. & Behav. Vols. New position & address: Assoc. prof, 69-, Dept. of Sociology, Boston University, Boston, Mass. 02215.
- MELCER, DR. DONALD. Psychology, Education. See L-Z Vol. 11th ed, Soc. & Behav. Vols. New position & address: Prof. family & child sci. & assoc. dir, 68- Head Start Research Center, Michigan State University, East Lansing, Mich. 48823.
- MELLETT, DR. RUSSELL RAMSEY, JR., b. Orangeburg, S.C. Dec. 11, 27; m. 51; c. 4. CHILD PSYCHIATRY. B.S., Clemson Col, 52; M.S., 53; M.D., Col. S.C., 50. Clin. dir. Child Psychiatric Hospital, 52-53; med. dir, 53-54; instr. neuropsychiat, Michigan, 58; chmn. psychiat. residency, MED. UNIV. SOUTH CAROLINA, 58-60, undergrad. ed. psychol, 62-66, DIR. CHILD PSYCHIAT, 63-, ASSOC. PROF. PSYCHIAT, 65-, PEDIAT, 67- Dir. Charleston County Ment. Health Clin, 58-60. Consult, Child Develop. Clin, Med. Univ. South Carolina, 61-66; consult & lectr, S.C. State Hosp. Columbia, 61-, consult, Nat. Inst. Ment. Health Sch. Prof. Sumter & ment. health consult, S.C. Dept. Ment. Health, 61- Chmn. Neuropsychiat. Physicians Training Prof, S.C. 62- U.S.N., 54-55, 1st. Orthopsychiat. Asn; Am. Med. Asn; Psychiat. Asn. In-patient child psychiatry services; postgraduate education of nonpsychiatric

- physicians; voodoo; bromism; iatrogenic illnesses; involuntary depressive states; Infectious mononucleosis. Pub: Involuntary depressive states, J. S.C. Med. Assn, 10/53; Scrap iron intoxication, J. Am. Med. Assn, 58; Prevention of iatrogenic factors in chronically handicapped children, South. Med. J., 64. Address: Dept. of Psychiatry, Medical University of South Carolina, Charleston, S.C. 29401.
- MELLISH, DR. GORDON HARTLEY. Economics. See L-Z Vol, 11th ed, Soc. & Behav. Vols. New position: Assoc. prof., 68-, Dept. of Economics, University of South Florida, Tampa, Fla. 33620.
- MELNICK, DR. EDWARD LAWRENCE. b. Ann Arbor, Mich. Dec. 21, 38; m. 63; c. 2. MATHEMATICAL STATISTICS. B.A., Lehigh, 60; M.S., Va. Polytech, 63; Ph.D.(math. statist.), George Washington, 70. Mathematical statistician, U.S. Census Bur., 63-69; ASST. PROF. BUS. ADMIN. GRAD. SCH. BUS. ADMIN., N.Y. UNIV., 69. Statist. Asst. Inst. Math. Statist.; Royal Publ. Soc. Time series analysis; prediction theory; information theory. Publ: Some quantitative measures for analysis of fertility series, Proc. Pop. Asn. Am., 67; Distribution of order statistics from discrete populations, Am. Statist., 70. Address: 1 Washington Square Village, Apt. B-4, New York, N.Y. 10012.
- MELNIKER, DR. ROBERT. Clinical Psychology. See L-Z Vol, 11th ed, Soc. & Behav. Vols. Change of address: 42 Pinecrest Pkwy, Hastings-on-Hudson, N.Y. 10706.
- MELONE, DR. JOSEPH JAMES. Economics, Business Management. See L-Z Vol, 11th ed, Soc. & Behav. Vols. New position & address: V-pres. planning & anal., 68-, Prudential Insurance Co., Prudential Plaza, Newark, N.J. 07101.
- MELTZER, PROF. JACK. b. Bayonne, N.J., Aug. 21, 21; m. 44; c. 3. POLITICAL SCIENCE. M.S., Chicago, 47. Planner, Chicago Plan Cmn., 48-50; economist, Pub. Housing Admin., 50-51; asst. Mayor's Housing & Redevel. Coordinator, 51-52; field rep., Urban Renewal Admin., 52-53; dir. planning, Michael Reese Hosp., 53-54; Southeast Chicago Cmn. & Univ., Chicago, 54-58; proprietor, Jack Meltzer Assocs., 58-63; PROF. URBAN STUDIES & DIR. CENTER URBAN STUDIES, UNIV. CHICAGO, 63-. Consult, Wayne County Planning Comm., 68; Urban Renewal, 68; ASST. PROF. PSYCHOL., Iowa, 69; Dept. Housing & Urban Develop.; Douglas Cmn. Urban Probs. Trustee of bd., Alfred Bettman Found. U.S.A.F., 41-45, Capt. Soc. Planning Off. (treas. & mem. bd. dir.); Inst. Planners. Urbanism; city planning. Publ: Co-ed., Goals for urban America, Prentice-Hall, 67; auth. The urban conflict, Urban Affairs Quart., 68. Address: Center for Urban Studies, University of Chicago, 5852 S. University Ave., Chicago, Ill. 60637.
- MELVIN, DR. ERNEST E. Geography. See L-Z Vol, 11th ed, Soc. & Behav. Vols. New information: Mem. exam. bd., Am. Inst. Planners. Address: 355 Ashton Dr., Athens, Ga. 30601.
- MENCHER, ALAN G. Solid State Physics. See 11th ed, Phys. & Biol. Vols. & Suppl. IV.
- MENDELS, DR. ROGER PIERRE. Economics. See L-Z Vol, 11th ed, Soc. & Behav. Vols. Change of address: Asian Development Bank, Commercial Center, P.O. Box 126, Makati, Rizal, Philippines.
- MENDELSON, DR. ROBERT. b. Brooklyn, N.Y., Feb. 9, 43; m. 66; c. 1. CLINICAL PSYCHOLOGY. B.A., Hofstra, 64; M.S., Massachusetts, 68, Ph.D. (psychol.), 69. Vet. Admin. trainee clin. psychol., Northampton Vet. Admin. Hosp., Mass., 64-65, 66-68; Worcester Vet. Admin. Outpatient Clin., 65-66; psychologist, Northampton State Hosp., 68-69; ASST. PROF. PSYCHOL., HOBTART & WILLIAM SMITH COLLS., 69-. Consult, Welfare Dept., Northampton, 68-69. Psychology of behavior modification, particularly in psychotherapy. Address: Dept. of Psychology, Hobart & William Smith Colleges, Geneva, N.Y. 14456.
- MENDELSON, DR. JOSEPH. b. Montreal, Que., Oct. 18, 39; U.S. citizen; m. 69. PHYSIOLOGICAL PSYCHOLOGY. B.Sc., McGill, 61; Ph.D. (psychol.), Mass. Inst. Tech., 65. Fel. PSYCHOL., Michigan, 65-67; ASST. PROF., RUTGERS, 67-. AAAS: Animal Behav. Soc. Neural correlates of motivation and reward; specification of the minimal motivation and reward conditions required for the learning and performance of instrumental and consummatory behaviors. Publ: The role of hunger in T-maze learning for food by rats, J. Comp. Physiol., Psychol., 62: 341-349; Lateral hypothalamic stimulation in satiated rats: the rewarding effects of self-induced drinking, 157: 1077-1079 / Lateral hypothalamic stimulation: inhibition of aversive effects by feeding, drinking, and gnawing, 166: 1431-1433. Science. Address: Brain Research Lab, Rutgers, The State University, New Brunswick, N.J. 08903.
- MENDLOVITZ, PROF. SAUL H. Law, Social Sciences. See 5th ed, Dir. Am. Scholars, Vol. IV, Philos., Relig. & Law.
- MENNIS, DR. BERNARD. b. New York, N.Y., Feb. 5, 38; m. 64; c. 1. POLITICAL SCIENCE. B.A., City Col. New York, 59; M.A., Michigan, 62, Ph.D. (polit. sci.), 67. Instr. POLIT. SCI., Michigan, 65-66; N.Y. Univ., 66-67; ASST. PROF., PENNSYLVANIA, 68. Fel. Mershon Center Ed. in Nat. Security, Ohio State, 67-68. Nat. Guard, 59-65. Polit. Sci. Asn. Int. Peace Res. Asn. Publ: Respectability theory and foreign policy analysis; a review, J. Conflict Resolution, 6/69. Address: Dept. of Political Science, University of Pennsylvania, Philadelphia, Pa. 19104.
- MENON, DR. M. A. K. Political Science, Public Administration. See L-Z Vol, 11th ed, Soc. & Behav. Vols. New position: Assoc. prof., 69-, Dept. of Political Science, Laurentian University Faculty of Arts & Science, Sudbury, Ont., Can.
- MENTON, PROF. STOYAN MARTIN. Sociology, Education. See L-Z Vol, 11th ed, Soc. & Behav. Vols. New position & address: Assoc. prof., 68-, Hartwick College, Oneonta, N.Y. 13820.
- MENZ, JOHN A. Economics, Anthropology. See L-Z Vol, 11th ed, Soc. & Behav. Vols. New position: Regional planning officer, Latin Am. Off., Food & Agr. Orgn. UN, 70-. Address: Casilla 10095, Santiago, Chile.
- MERA, DR. KOICHI. Economics. See L-Z Vol, 11th ed, Soc. & Behav. Vols. Change of address: Economics Dept., International Bank for Reconstruction & Development, 1818 H St. N.W., Washington, D.C. 20433.
- MERACHNIK, DR. DONALD ALEX. Psychology. See L-Z Vol, 11th ed, Soc. & Behav. Vols. New position: Asst. supt. pupil personnel serv., Union County Regional High Sch., Dist. 69-. Address: 200 Hillside Rd., Elizabeth, N.J. 07208.
- MERANI, PROF. PRITAM T(ARACHAND). Political Science. See L-Z Vol, 11th ed, Soc. & Behav. Vols. New position: Prof., 69-, Dept. of Political Science, Towson State College, Baltimore, Md. 21204.
- MERCER, DR. NORMAN (ANDREW). Economics. See L-Z Vol, 11th ed, Soc. & Behav. Vols. New position & address: Adminstr., 68-, New York State Education Dept., Albany, N.Y. 12224.
- MERCHANT, ROLAND SAMUEL. b. New York, N.Y., Apr. 18, 29. ECONOMIC STATISTICS. B.A., N.Y. Univ., 57, M.A., 60; M.S., Columbia, 63. Asst. statistician, New York City Dept. Health, 57-60, statistician, 60-63; N.Y. Tuberc. & Health Asn., 63-65; BIOSTATISTICIAN, INST. SURG. STUDIES, MONTEFIORE HOSP. & MED. CENTER, 65-. U.S.A., 51-53. AAAS: fel. Pub. Health Asn.; Statist. Asn.; Biomet. Soc.; Inst. Math. Statist. Design of experiments and evaluation of medical treatment and care program together with the use of computers in biomedical studies. Publ: Co-auth. Pediatric care in private practice, J. Am. Med. Assn., 12/62; How well are children, Am. J. Pub. Health, 12/63; auth. Tuberculosis in New York City-1964, N.Y. Tuberc. & Health Asn. Inc., 65. Address: 3217 Seymour Ave., Bronx, N.Y. 10469.
- MEREDITH, DR. GERALD MARVIN. b. Oakland, Calif., Feb. 1, 31; m. 62; c. 3. PSYCHOLOGY. B.A., California, 55, M.A., 56; Ph.D. (psychol.), Hawaii, 69. Instr. psychol., Hawaii, 61-63; res. asst., Illinois, 63-66; asst. prof., West. Wash. State Col., 66-67; eval. & alumni liaison officer, East-West Center, UNIV. HAWAII, 67-68, EVAL. OFFICER, 69-. Consult. div. voc. rehab. Govt. Guam, 68-69. Psychol. Asn.; Ed. Res. Asn. Multivariate personality research; evaluative research in international education program; evaluation of innovative teaching-learning programs in higher education. Publ: Personality correlates to religious belief systems, Psychol. Reports, 23: 1039-1042; Sex temperament among Japanese-American college students in Hawaii, 69 & co-auth. Ethnic identity in Japanese Americans, 69, J. Soc. Psychol. Address: Academic Development Office, University of Hawaii, 2444 Dole St., Honolulu, Hawaii 96822.
- MEREDITH, DR. WILLIAM V(IRGIL). b. Daytona Beach, Fla., May 15, 35; 62; c. 1. EDUCATIONAL RESEARCH. B.S., Fla. South. Col., 56; M.A., Stetson, 58; fel. Florida, 62-63, Ed.D. (ed. admin.), 63. Teacher, Orange County Sch. Bd., 56-61; teaching asst. ed., Florida, 61-62; asst. prin., DeKalb County Sch. Bd., 63-64; instr. ed. admin. & found., Florida Atlantic, 64-66; res. asst. ED. RES. BROWARD COUNTY SCH. BD., 66-69; ACTING DIR., 69- Ed. Res. Asn.; Philos. Ed. Soc. Educational research, especially projects involving the disadvantage; philosophy of education. Publ: A plea for small books, Fla. Sch. Studies Bull., 66; co-auth. Assessment of K-12 Head Start program, Fla. Ed. Res. J., 70. Address: Dept. of Educational Research, Broward County School Board, 18 S.E. Third Ave., Ft. Lauderdale, Fla. 33301.
- MERENDA, PROF. PETER F(RANCIS). Psychology. See L-Z Vol, 11th ed, Soc. & Behav. Vols. New information: Also prof. statist., Rhode Island, 68-. Address: 258 Negansett Ave., Warwick, R.I. 02888.
- MERKX, DR. GILBERT WILSON. b. Maracaibo, Venezuela, Aug. 26, 39; U.S. citizen. SOCIOLOGY. A.B., Harvard, 61; Fulbright inst., Huamanga, Peru, 61-62; M.A., Yale, 65, Ph.D. (sociol.), 68. Acting instr. social & pub. health, Yale, 65-67, instr. 67-68; ASST. PROF. SOCIOLOGY, NEW MEXICO, 68-. Vis. researcher, Tella Inst., Buenos Aires, Argentina, summer 69. Sociol. Asn. Relationship between patterns of economic change and patterns of political change in nation-states; Latin America, especially Argentina; Scandinavia, especially Sweden. Publ: Sectoral clashes and political change: the Argentine experience, Latin Am. Res. Rev. & Recessions and rebellions in Argentina, Int. J. Comp. Soc., winter 70; Revolutionary ideology in Argentina, In: Ideology and social change in Latin America, Gordon & Breach, 70. Address: Dept. of Sociology, University of New Mexico, Albuquerque, N.Mex. 87106.
- MERRIAM, PROF. ALAN P(ARKHURST). Education. See L-Z Vol, 11th ed, Soc. & Behav. Vols. New information: No longer chmn., Dept. of Anthropology, Indiana University, Bloomington, Ind. 47401.
- MERRIFIELD, PROF. C(HARLES) W(ARREN). Social Science. See L-Z Vol, 11th ed, Soc. & Behav. Vols. New position: Prof., 68-, Dept. of Political Science, California State College, Hayward, Calif. 94542.
- MERRILL, DEAN GORDON CLARK. Geography. See L-Z Vol, 11th ed, Soc. & Behav. Vols. New information: Also dean arts, 69-, Faculty of Arts, Carleton University, Ottawa, 1, Ont., Can.
- MERRILL, PROF. MAURICE (CHOCK). Law. See 5th ed, Dir. Am. Scholars, Vol. IV, Philos., Relig. & Law.
- MERRILL, DR. SALLY ANN. b. Portland, Maine, June 28, 39. POLITICAL SCIENCE. B.A., Colby Col., 61; M.A., Indiana, 62, Ph.D. (polit. sci.), 68. Vis. lectr. POLIT. SCI., Taiwan, 64-65; lectr. INDIANA, FT. WAYNE, 68, ASST. PROF., 68-. Indiana Univ. summer faculty fel. 69 & 70. Polit. Sci. Asn.; Asn. Asian Studies. Analysis of structural features of positions formulated by pre-Ch'in political philosophers and consideration of issues such as the status of values and the relevance of game theory; construction of economet-

- ric models useful in identifying the causes of poverty. Address: Dept. of Political Science, Indiana University at Ft. Wayne, Ft. Wayne, Ind. 46805.
- MERRITT, PROF. RICHARD LAWRENCE. Political Science. See L-Z Vol. 11th ed, Soc. & Behav. Vols. New position: Prof. polit. sci. & res. prof. commun. Illinois, Urbana, 69- New Publ: Systematic approaches to comparative politics, Rand McNally, 70. Address: Dept. of Political Science, University of Illinois, Urbana, Ill. 61801.
- MERTES, PROF. JOHN E(RASMUS), JR. Marketing. See L-Z Vol. 11th ed, Soc. & Behav. Vols. New position & address: Prof. mkt. & dir. grad. study in bus, 69- School of Business, Eastern Illinois University, Charleston, Ill. 61920.
- MERTON, PROF. ROBERT K(ING). Sociology. See L-Z Vol. 11th ed, Soc. & Behav. Vols. Change of address: Dept. of Sociology, Columbia University, Rayweather Hall, New York, N.Y. 10027.
- MESA- LAGO, DR. CARMELO, b. Havana, Cuba, Aug. 11, 34; U.S. citizen; m. 66; c. 2. ECONOMICS. Master law, Havana, 56; LL.D. Madrid, 58; M.A. Miami (Fla), 65; Ph.D. (labor econ), Cornell, 68. Prof. Univ. La Salle, Havana, 58-61; asst. prof. Madrid, 61-62; res. assoc. Miami (Fla), 62-65; ASSOC. PROF. ECON. & ASSOC. DIR. CENTER LATIN AM. STUDIES, PITTSBURGH, 68- Mem. bd. dir. Cuban Bank Soc. Ins, Havana, 59. Fel. Inst. Iberoamerican Culture, Madrid, 61-62; Ford Found. res. grant, Univ. Inter. Inst. Studies, Univ. Pittsburgh, 68-69. Consult. Hispanic Found. Library of Cong. 69. Econ. Assn. Latin Am. Studies Assn; Int. Studies Assn. Labor economics, social security, socialist economies; Latin American economic development; labor law; structural change in Cuba; social security and income inequality in Latin America. Publ: The labor sector and socialist distribution in Cuba, Praeger, 68; Social security planning, Iberoam. Orgm. Soc. Security, 59; Availability and reliability of statistics in Cuba, Latin Am. Res. Rev. 69. Address: Center for Latin American Studies, Social Sciences Bldg, University of Pittsburgh, Pittsburgh, Pa. 15213.
- MESNICKOFF, DR. ALVIN MURRAY, b. Dec. 25, 25; U.S. citizen; m. 52; c. 4. PSYCHIATRY. B.A. Rutgers, 48; M.D. Chicago, 54; cert. psychosocial med. Columbia, 62. Intern. Univ. Chicago Hosp, 54-55; res. Columbia-Presby. Med. Center, 55-58; asst. chief male serv. N.Y. State Psychiat. Inst. 59-60, chief female serv. 60-65, dir. Washington Heights Community Serv. 65-68; PROF. PSYCHIAT. STATE UNIV. N.Y. DOWNSTATE MED. CENTER, 68- Assoc. attend. psychiatrist, Presby. Hosp. & assoc. clin. prof. col. physicians & surgeons, Columbia, 68-69; dir. South Beach Psychiat. Center, Staten Island, N.Y. & vis. attend. Kings County Hosp, Brooklyn, 68- dir. S. Beach Psychiat. Center, N.Y. State Dept. Ment. Hyg. 68. Dipl. Am. Bd. Psychiat. & Neurol. 62, U.S.A. 44-46. AAAS; fel. Psychiat. Assn. Am. Med. Assn. Publ: Effects of community psychiatry oriented hospital program on the training of psychiatric residents. In: Concepts of community psychiatry: a framework for training, U.S. Dept. Health, Ed. & Welfare, 65; co-auth. Program evaluation and planning in a community mental health service, Psychiat. Quart. 7/67; auth. The effects of the establishment of a community mental health service on residency training, J. Med. Ed. 10/68. Address: South Beach Psychiatric Center, 600 Albany Ave, New York, N.Y. 11203.
- MESENTER, PROF. LOREN E(LIOT). Psychology. See L-Z Vol. 11th ed, Soc. & Behav. Vols. New information: Emer. prof. psychol. South. Ore. Col. 69. Address: 4516 Highway 66, Ashland, Ore. 97520.
- MESSING, DR. SIMON D(AVID). Anthropology. See L-Z Vol. 11th ed, Soc. & Behav. Vols. New position & address: Prof. 68-, Dept. of Anthropology, Southern Connecticut State University, New Haven, Conn. 06515.
- MESSINGER, DR. HARLEY B(RYCE). Biostatistics. See L-Z Vol. 11th ed, Soc. & Behav. Vols. New information: Consult. biostatist. 69-, fel. Inst. Health Res. Address: R.R. 1, Renfrew Rd, Shawanigan Lake, B.C. Can.
- MESSNER, DR. STEPHEN DALE. Urban & Regional Economics. See L-Z Vol. 11th ed, Soc. & Behav. Vols. New position: Dir. 69- Center for Real Estate & Urban Economic Studies, School of Business Administration, University of Connecticut, Storrs, Conn. 06268.
- METCALFE, DR. WILLIAM K. b. St. Louis, Mo. Oct. 21, 17. POLITICAL SCIENCE. B.S. & M.A. Washington (St. Louis), 48; fel. & Ph.D. (polit. sci.), Syracuse, 52. Mem. faculty, Miami (Ohio), 48-50; Jamestown Community Col. (N.Y.), 52-58; Moorhead State Col. 58-61; assoc. prof. POLIT. SCI., NORTHERN IOWA, 61-65, PROF. 65- Consult. Metrop. Planning Cmn. 67- U.S.N.R., 43-45. Polit. Sci. Assn. Theory; public law; regional planning. Publ: Tidelands oil controversy, Syracuse Law Rev. 52; Economic survey of S.W. New York, Chamber of Commerce, 58; Socio-economic study of Blackhawk SMSA, Metrop. Planning Cmn. 68. Address: Dept. of Political Science, University of Northern Iowa, Cedar Falls, Iowa 50613.
- METTESSEL, PROF. MILTON. Psychology. See 11th ed, Soc. & Behav. Vols. Deceased 69.
- METOUR, DR. GILDAS EUGENE. Psychology. See L-Z Vol. 11th ed, Soc. & Behav. Vols. New position: Prog. dir. Narcotics Addict Rehab. Act, Fed. Correctional Inst. Terminal Island, Calif. 70- Address: 15473 Milbank, Encino, Calif. 91316.
- METTEE, DR. DAVID ROBERT, b. Kansas City, Kans. Mar. 5, 39; m. 61; c. 3. SOCIAL PSYCHOLOGY. A.B. Taylor, 63; M.S. Ohio, 65; Nat. Sci. Found. fel. & Ph.D. (psychol.), Texas, 68. ASST. PROF. PSYCHOL. YALE. Found. fel. & Ph.D. (psychol.), 69-71. Psychol. Assn. Interpersonal attraction; study of change and resistance to change of the self-concept; aggression and humor; motivational and cognitive inference processes. Publ: Co-auth. Dishonest behavior as a function of differential levels of induced self-esteem, 68, co-auth. Evaluation of an aggressor as a function of exposure to cartoon humor, 69 & auth. Rejection of unexpected success as a function of the negative consequences of accepting success, 70, J. Personality & Soc. Psychol. Address: Dept. of Psychology, Yale University, New Haven, Conn. 06510.
- METTENET, PROF. WILLIAM J. b. May 18, 19; U.S. citizen; m. 44; c. 3. GEOGRAPHY, POLITICAL SCIENCE. B.A. Pittsburgh, 42; M.A. George Washington, 56; American Univ. Beirut, summer 57; Oklahoma, 68-69. Cartographer, U.S. Off. Strategic Serv. 42-43; map curator, U.S. Dept. State, 43-45; cartographer, various U.S. Govt. Off., 45-64; asst. prof. GEOG., EASTERN NEW MEXICO, 64-68, ASSOC. PROF. 69- CURATOR, ROOSEVELT COUNTY MUS., 67- U.S.A. Sgt. Settlement of the Southwest: historical and political geography; cartographic presentations. Publ: Reality of maps, In: Methods of geographic instruction, Blaisdel, 68. Address: Roosevelt County Museum ENMU No. 30, Portales, N.Mex. 88130.
- METTLER, DR. FRED(ERICK) A(LBERT). Neurology, Anatomy. See 11th ed, Phys. & Biol. Vols.
- METZ, DR. WERNER A(DAM). Physiology. See L-Z Vol. 11th ed, Soc. & Behav. Vols. Change of address: 3519 Zaharias Place, Titusville, Fla. 32780.
- METZGAR, DR. LEE H(OLLIS). Ecology. See Suppl. V to 11th ed, Phys. & Biol. Vols.
- METZGER, DR. FRANK. Psychology. See L-Z Vol. 11th ed, Soc. & Behav. Vols. New position: Sr. v-pres. & dir. orgn. develop. Nytronics, Inc. Pelham Manor, 69- Address: 52 Highridge Rd, New Rochelle, N.Y. 10804.
- METZGER, PROF. HOMER B(ASTIAN). Agricultural Economics. See L-Z Vol. 11th ed, Soc. & Behav. Vols. New information: Also chmn. 69-, Dept. of Cultural & Resource Economics, University of Maine, Orono, Maine 04473.
- MEY, DR. JACOB L. Linguistics. See 5th ed, Dir. Am. Scholars, Vol. III, For. Lang. Ling. & Philol.
- MEYER, DR. CORNELIUS C. b. Buffalo, N.Y. Aug. 29, 42; m. 66. PHYSIOLOGICAL PSYCHOLOGY. B.A. State Univ. N.Y. Buffalo, 64; M.A. Conn. Col. 66; Ph.D. (physiol. psychol.) Waterloo, 68. ASST. PROF. PSYCHOL. QUINNIPIAC COL. 68- Nat. Inst. Ment. Health grant, 70-73. AAAS; Animal Behav. Soc.; Psychol. Assn. Neural controls of preoccipal sex in chick; chemical brain stimulation; audiography; imprinting; 69- auth. Changes in fear generalization: grants as a function of delayed testing, J. Exp. Psychol. 66, imprinting: reversal of a preference established during critical period, Nature, 67 & Reversibility of imprinting, J. Comp. Physiol. Psychol. 68. Address: Dept. of Psychology, Quinnipiac College, Hamden, Conn. 06518.
- MEYER, DR. DELBERT EUGENE). Zoology, Biochemistry. See Suppl. V to 11th ed, Phys. & Biol. Vols.
- MEYER, DR. GEORGE G(OTTHOLD). Psychiatry. See L-Z Vol. 11th ed, Soc. & Behav. Vols. New position & address: Assoc. prof. med. sch. Texas, San Antonio; dir. Northwest San Antonio Ment. Health Center. Address: Dept. of Psychiatry, University of Texas Medical School, 7703 Floyd Curl Dr, San Antonio, Tex. 78229.
- MEYER, DR. JEAN M. b. Detroit, Mich. May 8, 30. INTERNATIONAL RELATIONS. B.A. Marygrove Col. 60; A.M. St. Louis, 62; Indian Sch. Int. Studies, New Delhi, 64-65; Ph.D. (int. rels), Pennsylvania, 67. Teacher, Jr. high schs. 51-58; high sch. 58-61; ASST. PROF. POLIT. SCI., MARYGROVE COL. 66- Dir. title I fed. grant, Marygrove Col. 68-69, Consortium Res. Develop. res. grants, 69-70; res. asst. Continuing Ed. Detroit & part-time faculty mem. Catholic Univ. 69-70. Consult. Precious Blood Sisters, Dayton, Ohio, 67-69; Cmn. Am. Citizenship, Catholic Univ. 69. Polit. Sci. Assn.; Assn. Asian Studies; Soc. Int. Develop. Int. Studies Assn.; Peace Res. Assn. South Asian studies; peace research and conflict resolution; using gaming as a teaching technique; urban strategy. Publ: Ed. Toward an urban strategy, MSS Ed. Publ. 69; auth. Community Development; the developing nations, World Justice, Louvain, 12/63 & Dilemmas of the space race, Thought, spring 64. Address: 8221 Marygrove Dr, Detroit, Mich. 48221.
- MEYER, DR. JOHN K(ELLOGG). Psychology, Cultural Anthropology. See L-Z Vol. 11th ed, Soc. & Behav. Vols. Change of address: Naval Personnel & Training Research Lab, San Diego, Calif. 92152.
- MEYER, DR. LOUIS SABIN. Political Science, Government. See L-Z Vol. 11th ed, Soc. & Behav. Vols. New information: Also head dept. polit. sci., Edinboro State Col. 69- Address: R.D. 2, Skeltonown Rd, Cambridge Springs, Pa. 16403.
- MEYER, DR. MARSHALL WARNER, b. Washington, D.C. June 24, m. 66; c. 1. SOCIOLOGY. A.B. Columbia, 64; Nat. Defense Ed. Act, Chicago, 64-66, M.A. 65, Ph.D. (sociol.), 67. Lectr. soc. sci. Chicago, 66-67; sociol. Harvard, 67-69; ASST. PROF. DEPT. SOCIOL. & N.Y. STATE SCH. INDUSTRY & LABOR RELS, CORNELL, 69- Res. assoc. sociol. Chicago, 66-67. Social Assn. Formal organization; bureaucracy; social movements; political sociology. Publ: Bureaucratic structure and authority, Harper, 71; co-auth. Bureaucracy in modern society, Random, 71; auth. Automation and bureaucratic structure, Am. J. Sociol. 68. Address: New York State School of Industrial & Labor Relations, Cornell University, Ithaca, N.Y. 14850.
- MEYER, MORTON A. Statistics. See L-Z Vol. 11th ed, Soc. & Behav. Vols. New position & address: Tech. adv. to subcom. on census & statistics, 68-, Post Office & Civil Service Committee, U.S. House of Representatives, Cannon House Office Bldg, Room 207, Washington, D.C. 20515.
- MEYER, DR. ROGER J. Pediatrics. See Suppl. V to 11th ed, Phys. & Biol. Vols.
- MEYERING, PROF. RALPH A. b. Istanbul, Turkey, June 23, 30; U.S. citizen; m. 56; c. 2. PSYCHOLOGY, EDUCATION. B.S. Mankato State Col. 52; M.A. Northwestern, 56; Ph.D. (counseling), Iowa, 61. Teacher, Am. Sch. for Boys, Turkey, 52-55; Central High Sch. Mich. 56-58; res. consult. Am. Girl's Col. Turkey, 60-61; asst. prof. Ed. PSYCHOL. ILLINOIS STATE, 61-66, PROF. 66- Fulbright prof. Univ. Chelmsford, 67-68; vis. prof. Univ. Sydney,

68. Psychol. Assn; Personnel & Guid. Assn; Ed. Res. Assn. Counseling theory; psychological and personality measurement; counselor education. Publ: Uses of test data in counseling, Houghton, 68; Another look at the expressed and measured interests of high school students, Guid. J, 67; The wonderland of counselor education, In: Professional problems in school counseling practice, Int. Textbook, 68. Address: Counselor Education Center, Illinois State University, Normal, Ill. 61761.
- MEYERS, PROF. ARTHUR (CHRISTIAN), JR. Economics. See L-Z Vol, 11th ed, Soc. & Behav. Vols. New information: Also chmn. dept. econ. St. Louis, 68- Address: 3674 Lindell Blvd, St. Louis, Mo. 63108.
- MEYERS, PROF. MARVIN. American & Intellectual History. See 5th ed, Dir. Am. Scholars, Vol. 1, Hist.
- MEYROWITZ, ALVIN, b. New York, N.Y., Dec. 16, 17; m. 42; c. 2. BUSINESS ADMINISTRATION. A.B. Cornell, 38; M.B.A. N.Y. Univ., 41; George Washington, 48-50. Asst. bus. res. Newark, 37-38; mkt. analyst, Miller, Franklin & Co., 38-41; chief copper br., off. civilian supply, War Prod. Bd., 41-46; dir. basic mat. div. Nat. Housing Authority, 46-49; asst. dir. copper div. Nat. Prod. Authority, 49-51; v.pres. & gen. mgr. smelting & refining brass & bronze, Calif. Div. H. Kramer & Co., 51-62; exec. v.pres. Cal-Tech Sys. Inc., 62-64; V.PRES. H. KRAMER & CO., 64. Consult. copper policy, U.S. Dept. Commerce, 51-56; mkt. res. bus. & defense adv. serv. 56; bd. dirs. Merchants Petrol. Co.; adv. bd. Mfrs. Bank of Los Angeles; dir. & secy. Olde 395 Corp. Statist. Assn; Mkt. Assn; Econ. Assn; Inst. Mgt; Air Pollution Control Assn; Ord. Assn. Publ: Marketing review of the worlds fair; Relative preference of low income groups for small stations. Address: 10450 Wilshire Blvd, Los Angeles, Calif. 90024.
- MICCIO, PROF. JOSEPH V., b. Brooklyn, N.Y., May 1, 15; m. 57; c. 2. MANAGEMENT, FINANCE. B.B.A. St. John's (N.Y.), 35; M.A., N.Y. Univ., 40, Ed.D.(bus), 65; LL.D. Fairleigh Dickinson, 63. Controller & dir. Aircooled Motors Inc., 45-50; controller airplane div. Curtiss-Wright Corp., 50-52; gen. mgr. & v.pres. electronics div., 52-54; pres. Wright aeronaut. div., 54-64, sr. v.pres. corp., 64-66; PROF. MGT. UNIV. HAWAII, 66, chmn. grad. prog. & assoc. dean, col. bus. admin., 67-69. Consult. Hawaii State Crime Prev. Cmt. & bus. corps. Mainland & Hawaii. Financial Exec. Inst.; Soc. Adv. Mgt. Managerial controls; executive development training. Publ: Controls in data processing, Financial Exec., 6/67; Electronic data processing—controls and economics, J. Data Mgt., 5/67; Financial management in transition, J. Controllers & Financial Officers of Saving Insts., spring 68. Address: College of Business Administration, University of Hawaii, Honolulu, Hawaii 96822.
- MICHAEL, DR. STEPHEN (ROBERT), b. New Brunswick, N.J., Sept. 20, 22; div. c. 2. MANAGEMENT. B.A., Rutgers, 48; M.A. Harvard, 49; Nat. Defense Ed. Act let. Columbia, 61-64, Ph.D.(bus. admin.), 67. Bus. mgr. coop. test div. Ed. Testing Serv., 49-57; admin. systs. superv. Smith Kline & French Labs., 57-61; ASSOC. PROF. MGT. SCH. BUS. ADMIN., MASSACHUSETTS, 65- U.S.A., 42-45, Sgt. Acad. Mgt; Acad. Polit. & Soc. Sci; Mgt. Assn; Soc. Personnel Admin; Soc. Pub. Admin. Organization and management theory; comparative institutional administration. Publ: Appraising management practices and performance, Prentice-Hall, 63; Leased cars, Sales Mgt., 1/59 & Developing managers out of creative specialists, Res. Mgt., summer 61. Address: Dept. of Management, University of Massachusetts School of Business Administration, Amherst, Mass. 01002.
- MICHAEL, PROF. WILLIAM (BURTON). Psychology. See L-Z Vol, 11th ed, Soc. & Behav. Vols. New information: Also chmn., 68-, Dept. of Educational Psychology, University of Southern California, 403 E. Waite Phillips Hall of Education, 3518 University Ave, Los Angeles, Calif. 90007.
- MICHAELS, DR. RICHARD M(ORTON). Psychology. See L-Z Vol, 11th ed, Soc. & Behav. Vols. New position & address: Dir. res., 69-, Transportation Center, 1812 Hinman, Evanston, Ill. 60204.
- MICHAELSON, DR. RUTH B., b. Bluefield, W.Va.; c. 1. PSYCHOLOGY. B.A., Los Angeles State Col., 56, M.A., 58; Ph.D.(psychol), Southern California, 63. Therapist emotionally disturbed child., M.A. Laurence Sch., Van Nuys, Calif., 56-58; dir. family dept. Am. Inst. Family Rel., 60-62; DR. COUNSELING, NORTHRIDGE FAMILY COUNSELING CENTER, 58- Clin. psychologist, Beverly Hills, 58-; lectr. Southern California, 60-64; California, Los Angeles, 62-; instr. Pepperdine Col., 63- Consult. family dept. Am. Inst. Family Rel., 62-; Every Woman's Village, Los Angeles, 63- Psychol. Assn; Int. Conf. Psychol. Diagnost. test; psychopathy. Address: 8929 Wilshire Blvd, Beverly Hills, Calif. 90211.
- MICHALOS, DR. ALEX C. Philosophy. See 5th ed, Dir. Am. Scholars, Vol. IV, Philos., Relig. & Law.
- MICHALSON, DR. EDGAR LLOYD. Agricultural Economics. See L-Z Vol, 11th ed, Soc. & Behav. Vols. New position & address: Assoc. resource economist, 69-, Water Resources Research Institute, University of Idaho, Moscow, Idaho 83843.
- MICHAUX, DR. WILLIAM W(HITEHEAD). Psychology. See L-Z Vol, 11th ed, Soc. & Behav. Vols. New position: Asst. prof. med. psychol. Hopkins, 69-, dir. res. & eval. drug abuse clin. Johns Hopkins Hosp., 69- Address: 501 Colleen Rd, Baltimore, Md. 21229.
- MICHEL, PROF. ALOYS ARTHUR. Geography. See L-Z Vol, 11th ed, Soc. & Behav. Vols. New information: Assoc. dean grad. sch. Rhode Island, 69-, no longer chmn. dept. geog. Address: Graduate School, University of Rhode Island, Kingston, R.I. 02881.
- MICHELIS, DR. JOSEPH WILLIAM. Anthropology, Archaeology. See L-Z Vol, 11th ed, Soc. & Behav. Vols. New position: Assoc. prof. & acting head, 70-, Dept. of Anthropology, Pennsylvania State University, University Park, Pa. 16802.
- MICHENER, DR. DAVID P(AUL). Psychiatry. See L-Z Vol, 11th ed, Soc. & Behav. Vols. New position & address: Chief prof. planning, 68-, California Dept. of Mental Hygiene, 744 P St, Sacramento, Calif. 95814.
- MICHENER, DR. H(OWARD) ANDREW, b. New York, N.Y., Dec. 1, 40. SOCIAL PSYCHOLOGY. B.A., Yale, 63; M.A., Michigan, 64, Ph.D.(soc. psychol), 68. ASST. PROF. SOCIO. WISCONSIN, MADISON, 68. Sociol. Assn; Psychol. Assn. Social power in small collectivities, particularly such phenomena as coalition formation, resource procurement and expansion of total power within collective structures. Address: Dept. of Sociology, University of Wisconsin, Madison, Wis. 53706.
- MICKLEWRIGHT, DR. M. A. b. Winnipeg, Man., Sept. 22, 20; m. 42; c. 1. GEOGRAPHY. B.A. Washington (Seattle), 65, Ph.C., 68, Ph.D.(geog), 70. ASST. PROF. ECON. GEOG. MEMORIAL UNIV., 69- Mem. Econ. Develop. Coun, London, 67. Can. Army, 40-46. Econ. Assn; Regional Sci. Assn; Asian Studies; Can. Assn. Geog. Regional economic development and planning; Chinese historical geography. Address: Dept. of Geography, Memorial University of Newfoundland, St. John's, Newfoundland.
- MIDDENTS, DR. GERALD JOHN, b. Kamrar, Iowa, July 10, 33; m. 55; c. 2. PSYCHOLOGY, THEOLOGY. B.S.C., Iowa, 54; B.D., Dubuque Theol. Sem., 60; M.A., Minnesota, 65, Ph.D.(creativity, anxiety), 67. Mgt. trainee, Northwest Bell Tel. Co., 54-57; head resident, Dubuque, 57-60; asst. minister, John Hus Presby. Church, 60-63; asst. ed. psychol., Minnesota, 64-68; ASST. PROF. PSYCHOL. & ED. AUSTIN COL., 67- Student pastor, First Presby. Church, Volga, Iowa, 59-60; moderator of congregations, Minneapolis Presbytery, 63-67; counselor, United Campus Christian Fel, Univ. Minnesota, 66-67; dir. counseling center & Presby. Guid. Center, 67-; summer, field rep. Presby. Synod Minn., 65, U.S.A.P., 54-56, Capt. Psychol. Assn; Personnel & Guid. Assn; Acad. Relig. & Ment. Health, Assn. Counsr. Ed. & Supv. Relationship of psychology and theology; relationship of creativity and anxiety; optimal learning conditions for mental health. Address: Box 1242, Austin College, Sherman, Tex. 75099.
- MIDDLEBROOK, DR. PATRICIA N., b. Magnolia, Md.; m. 64. SOCIAL PSYCHOLOGY. B.A. Swarthmore Col., 57; M.S., Yale, 59, Ph.D.(psychol), 64. Instr. PSYCHOL. CENT. CONN. STATE COL., 63-66, asst. prof., 66-69, ASSOC. PROF., 69- Psychol. Assn. Questionnaire responses; fear stimuli; history of social psychology. Publ: Co-auth. Effectiveness of fear-arousing movies in motivating preventive health practices, N.Y. State J. Med., 63, Field experiment on fear-arousal with data on the validity of questionnaire, J. Personality, 64 & Persistence of influence for varying durations of exposure to threat stimuli, Psychol. Reports, 65. Address: Dept. of Psychology, Central Connecticut State College, New Britain, Conn. 06050.
- MIDLARSKY, DR. ELIZABETH, b. Brooklyn, N.Y., Apr. 29, 41; m. 61; c. 1. PSYCHOLOGY. B.A., City Univ. New York, 61, fel., 61-63; M.A., Northwestern, 66, Ph.D.(clinical responses), 68. Lectr. eve. div. Northwestern, 65-67; ASST. PROF. CLIN. PSYCHOL., DENVER, 68- Psychol. Assn. The development and elicitation of aiding responses in adults and children. Publ: Co-auth. Training charity in children, J. Personality & Soc. Psychol., 67; Aiding responses in children, J. Personality & Soc. Psychol., 68; Some antecedents of aiding under stress, Proc. Annual Convention Am. Psychol. Assn., 68. Address: Dept. of Psychology, University of Denver, Denver, Colo. 80201.
- MIELKE, DR. KEITH WILLIAM, b. Perry, Okla., Nov. 15, 33; m. 55; c. 2. COMMUNICATIONS. B.M.E., Phillips, 56; M.S., Syracuse, 61; Ph.D. (commun.), Mich. State, 65. Lectr. radio & TV, INDIANA, BLOOMINGTON, 64-65, asst. prof., 65-68, CHMN. DEPT. MASS COMMUN., 66-, ASSOC. PROF. RADIO & TV, 68- Res. ed. Broadcasting Rev., 68- Nat. Guard, 53-56, Sgt; U.S.A., 57-60. Assn. Ed. in Journalism; Speech Assn. Am.; Nat. Assn. Ed. Broadcasters. Mass communications; instructional television research. Publ: Education level as a correlate of attitudes toward television, J. Broadcasting, Vol. 9, No. 4; Asking the right ETV research questions, Ed. Broadcasting Rev., 12/68. Address: Dept. of Mass Communications, 419 N. Indiana Ave, Indiana University, Bloomington, Ind. 47401.
- MIKAEILIAN, DR. HARUTUNE HOVANES. Experimental Psychology. See L-Z Vol, 11th ed, Soc. & Behav. Vols. New position: Assoc. prof., 69-, Dept. of Psychology, Connecticut College, New London, Conn. 06320.
- MIKOLIC, DR. STANISLAV-ADOLF. Political Science, Sociology. See L-Z Vol, 11th ed, Soc. & Behav. Vols. New information: Naturalize U.S. citizen; also chmn., 68-, Dept. of Social Sciences, Sacred Heart University, Bridgeport, Conn. 06604.
- MILAM, DR. ROBERT LOUIS, b. Shepherdsville, Ky., June 14, 36; m. 68. ECONOMICS, STATISTICS. B.S., Kentucky, 62, M.S., 64; Mack grant & Ph.D. (econ), N.C. State, 68. Instr. econ. N.C. State, 64-65; ASST. PROF. ECON. & CHMN. DEPT. ECON. & BUS. WESTMINSTER COL.(PA.), 66- Lectr. Youngstown State, 69. Acad. consult. Indus. Info. Inst., Youngstown, Ohio, 66-70; econ. consult. arbit. cases, West. Pa. area, 69-70; Gen. Motors Corp. anti-trust suit, disability, death & personal injury cases, 70; Am. Enterprise Inst. & Inst. Soc. Sci. Res. 70. U.S.A., 54-56. Econ. Assn. Agr. Econ. Assn. Land and water resource development, especially economics of outdoor recreation. Publ: Recreation—a new farm harvest, Tarheel Farmer, 65; co-auth. Estimating the demand for outdoor recreational service, Am. J. Agr. Econ., 2/70. Address: Dept. of Economics & Business, Westminster College, New Wilmington, Pa. 16142.
- MILBURN, DR. JOSEPHINE FISHEL. Political Science. See L-Z Vol, 11th ed, Soc. & Behav. Vols. New position: Assoc. prof. polit. sci., Rhode Island, 70- Address: 115 Bowen St, Kingston, R.I. 02881.
- MILBURN, PROF. THOMAS W., b. Newkirk, Okla., Jan. 29, 23; m. 47; c. 3. PSYCHOLOGY. B.A., Stanford, 51, M.A., 55, Ph.D., 59. Eval. & testing, supvr. Dalmio Victor Co., Calif., 52-54; res. asst. psychol. & couns. consulting & testing center, Stanford, 54-57; head employee develop. personnel dept., U.S. Naval Ord. Test Sta., 57-59, res. soc. psychologist, weapons plan-

- ning group, 59-62, head behav. sci. group, 62-65; vis. assoc. prof. PSYCHOL, Northwestern, 65-68; PROF, DePAUL, 68- Res. assoc. grad. prog. int. rels. Northwestern, 60-65, lectr. 69. Can. C. U.S.N., 42-46. Fel. AAAS, fel. Psychol. Assn; Int. Studies Assn. Conflict, crises and their management; values; evaluative dependence as a personality trait; research methodology and its evaluation. Publ: What constitutes effective deterrence, J. Conflict Resolution, 59; The management of crises, In: Contemporary research in international crises, Princeton, 70; co-auth. Censure, approval, evaluative dependence and verbal learning, J. Personality & Soc. Psychol., 70. Address: 425 Linden St, Winnetka, Ill. 60093.
- MILENKOVITCH, DR. DEBORAH DUFF, b. Washington, D.C. Sept. 9, 36; m. 60; c. 1. ECONOMICS. B.A., Radcliffe Col, 58; Fulbright fel. Cologne, 58-59; Woodrow Wilson fel. Columbia, 59-60; Ford Found. fel, 60-63, Ph.D. (econ). 66. Instr. ECON, BARNARD COL., COLUMBIA, 65-66. ASST. PROF. 67- Am. Coun. Learned Soc. res. grant, summer 68. Econ. Assn; Asn. Adv. Slavic Studies; Asn. Study Soviet-Type Econ. Economic systems and planning; socialist economic thought; welfare economics; Yugoslav economic doctrine and policy. Publ: Which direction for Yugoslavia's economy, E. Europe, 7/69. Address: Dept. of Economics, Barnard College, Columbia University, New York, N.Y. 10027.
- MILES, DR. EDWARD L., b. St. Augustine, Trinidad, W.I., Dec. 21, 39; m. 63. POLITICAL SCIENCE, SOCIOLOGY. B.A., Howard, 62; Ph.D. (int. rels.), Denver, 65. Instr. INT. RELS, GRAD. SCH. INT. STUDIES, DENVER, 65-66, asst. prof. 66-70. ASSOC. PROF. 70- res. grant, 66-69. Carnegie Endowment, Int. Peace, summer 69. AAAS; Soc. Int. Law; Int. Studies Assn. Inter. national law and organization; science, technology and international relations. Publ: Organizations and integration in international systems, Int. Studies Quart, 6/68 & Technology, ocean management and the law of the sea, Denver Law J., spring 69; International administration of space exploration and exploitation, In: International administration, Univ. 71. Address: Graduate School of International Studies, University of Denver, Denver, Colo. 80210.
- MILES, DEAN FRANK F (RODSHAM). Sociology. See L-Z Vol, 11th ed, Soc. & Behav. Vols. New position & address: Dean, 69-, Graduate School, University of Guam, Box E K, Agaña, Guam 96910.
- MILGRAM, DR. NORMAN ALVIN. Clinical Psychology. See L-Z Vol, 11th ed, Soc. & Behav. Vols. New position & address: Prof. ed. psychol, 69-, College of Education, Temple University, 448 Ritter Hall, Philadelphia, Pa. 19122.
- MILGRAM, PROF. STANLEY. Social & Experimental Psychology. See L-Z Vol, 11th ed, Soc. & Behav. Vols. Change of address: Doctoral Program in Social Psychology, The City University of New York, University Graduate Center, 33 W. 42nd St, New York, N.Y. 10036.
- MILGRM, DR. HERBERT J., b. New York, N.Y., Feb. 10, 36; m. 61; c. 2. ECONOMICS. B.A., City Univ. New York, 56, M.B.A., 63; Ph.D. (econ), N.Y. Univ. 68. Instr. econ, Pace Col, 65-68; ASST. PROF. BUS. ECON, SOUTHERN CALIFORNIA, 68- U.S.A. 56-58. Econ. Assn. Effects of product demand and product differentiation on the location of the individual firm. Publ: Growth and real price trends in the brother chicken industry, Ark. Bus. & Econ. Rev. 11/69. Address: Graduate School of Business Administration, University of Southern California, Los Angeles, Calif. 90007.
- MILL, DR. CYRIL R (ALPH). Psychology. See L-Z Vol, 11th ed, Soc. & Behav. Vols. Change of address: 141 Wolfratze Square, Vienna, Va. 22180.
- MILLARD, DR. KENNETH A (LBERT), b. Red Wing, Minn., Apr. 25, 18; m. 44; c. 3. PERSONNEL PSYCHOLOGY. B.A., Hamline, 39; Ph.D. (psychol), Minnesota, 47. Asst. psychol, Minnesota, 39-42; from instr. to assoc. prof. psychol. & dir. coun. Macalester Col, 46-54; PSYCHOLOGIST, U.S. GOVT, 54- CHIEF DIV. EXAM. & RES. OFF. STATE MERTS SYSTS. DEPT. HEALTH, ED. & WELFARE, 63- Dipl. Am. Ed. Prnl. Psychol. 53. U.S.N.R., 42-45, Lt. Fel. Psychol. Assn; Personnel & Guid. Assn. Vocational interests; personnel evaluation in selection, placement, training and job performance; supervisor-subordinate compatibility; intercultural personal effectiveness. Publ: Is 'How supervise?' an intelligence test?, J. Appl. Psychol. Action programs to improve research in personnel agencies. In: Extending the horizons of public personnel administration, 67 & Improving personnel selection through research, In: Recruitment and selection in the public service, 68, Pub. Personnel Assn. Address: 3518 N. Dinwiddie St, Arlington, Va. 22207.
- MILLARD, DR. WILBUR A (ALEXANDER). Clinical Psychology. See L-Z Vol, 11th ed, Soc. & Behav. Vols. New position & address: Asst. prof. ed, Wash, D.C., 69- Address: 6445 Luzon Ave. N.W., Washington, D.C. 20012.
- MILLENSON, DR. J. R., b. Cumberland, Md., Oct. 7, 32; m. 64. EXPERIMENTAL PSYCHOLOGY. B.A., Oberlin Col, 54; Ph.D. (psychol), Columbia, 59. Nat. Insts. Health res. fel. PSYCHOL, London, 59-62; asst. prof. Carnegie Inst. Tech, 63-65; York (Ont), 66-67; lectr. Reading, 67-68; RES. OFFICER, OXFORD, 68-69. Res. consult. Alcoholism & Addiction Res. Found., Toronto, 66-67. Animal conditioning and learning; computer applications to psychology; motivation and emotion; programmed instruction. Publ: Principles of behavioral analysis, Macmillan, 67; Random interval schedules of reinforcement, J. Exp. Anal. Behav, 63; A computer system for process control of psychological experimentation, Decus Proc, 68. Address: Dept. of Psychology, Oxford University, Oxford, Eng.
- MILLER, A. EDWARD. Business Administration. See L-Z Vol, 11th ed, Soc. & Behav. Vols. New position: Pres, Berlitz Sch. Lang, 70- Address: 140 E. 38th St, New York, N.Y. 10016
- MILLER, DR. ABRAHAM H., b. Chicago, Ill., May 20, 40; m. c. 1. SOCIOLOGY, POLITICAL SCIENCE. B.A., Illinois, 62; M.A., Michigan, 64, Ph.D. (polit. sci.), 68. From instr. to asst. prof. polit. sci., Illinois, 66-68; ASST. PROF. SOCIOLOGY, CALIFORNIA, DAVIS, 68- Participant comp. state election proj, Inst. Res. Soc. Sci., North Carolina, 68-; mem. admin. rice prod. proj, Southeast Asia Develop. Adv. Group, 68- Social. Assn; Polit. Sci. Assn. Mass movements, especially student movements and student politics; quantitative methodology; voting behavior; public opinion; developmental administrative methods; Pub. Co-auth. Black power and student rebellion, Wadsworth, 69; auth. Information and change: requirements for urban decision making, Univ. California, 70; co-auth. On strike—shut it down: the crisis at San Francisco State College, Trans-Action, 3/69. Address: Dept. of Sociology, University of California, Davis, Calif. 95616.
- MILLER, DR. ARTHUR L. Psychology. See L-Z Vol, 11th ed, Soc. & Behav. Vols. New position & address: Assoc. prof. 69-, Dept. of Psychology, Marquette University, 617 N. 13th St, Milwaukee, Wis. 53233.
- MILLER, PROF. ELBERT (ERNEST). Geography. See L-Z Vol, 11th ed, Soc. & Behav. Vols. New position & address: Prof. & chmn. 68-, Dept. of Geography, University of Lethbridge, Lethbridge, Alta, Can.
- MILLER, DR. ELTON S (TILES), b. Kansas City, Kans., Apr. 17, 37; m. 67; c. 3. GEOGRAPHY. B.A., George Washington, 60, M.A., 63, Ph.D. (geog. planning), 68. ASST. PROF. geog., Old Dominion Col, 64-66; planning, Va. Polytech. Inst, 66-69; PLANNING & GEOG., MISSOURI-ST. LOUIS, 69- Assoc. Inst. Planners; Soc. Planning Off; Urban & Regional Info. Sys. Assn. Planning; information systems; quantitative methods; economic base. Publ: Co-auth. A question of place: development of geographic thought, Beatty, 67, 2nd ed, 68, An information system for non-metropolitan communities, 67 & The comprehensive planning process, 68, Va. Polytech. Inst. Exten. Div. Address: 6322 McPherson Ave., St. Louis, Mo. 63130.
- MILLER, ERNEST CHARLES. Psychology. See L-Z Vol, 11th ed, Soc. & Behav. Vols. New position: Res. prof. dir., Am. Mgt. Assn, 69- Address: 150 West End Ave, 17N, New York, N.Y. 10023.
- MILLER, DR. ERNEST COLEMAN, b. Lexington, Aug. 25, 18; m. 43; c. 2. BUSINESS ADMINISTRATION. B.A., Chicago, 41, M.B.A., 46; Ph.D. (commun), Denver, 54. Supvr. sales promotion, U.S. Rubber Co., 40-42; dir. personnel & comptroller, O.P. Baur Confection Co., Inc., 46-49; asst. gen. mgr. West. Reel-Wip Co., 49-50; ASST. PROF. INDUST. RELS. & MGT., CALIF. STATE POLYTECH. COL., SAN LUIS OBISPO, 66- Lectr., Denver, 47-51; Alaska, 64-67; George Washington, 67-68. Consult. indust. rels., Denver, Colo., 49-50. U.S.A.F., 42-45, 51-68, Lt. Col. Acad. Mgt; Speech Assn. Am.; Nat. Bus. Ed. Assn. Human relations, particularly communication inadequacies, both in private and public sectors; improvement of suggestion system. Address: Dept. of Business Administration, California State Polytechnic College, San Luis Obispo, Calif. 93401.
- MILLER, DR. FRANCIS T., b. Columbia, S.C., Aug. 7, 32; m. 58; c. 2. CLINICAL PSYCHOLOGY. B.S., South Carolina, 58, M.A., 60; Ph.D. (psychol), Houston, 63. Intern. clin. psychol. col. med., Baylor, 61-63; instr. psychol. sch. med. Emory, 63-67; assoc. psychol. 66-67; ASST. PROF. INDOCH. COMMUNITY PSYCHIAT. SECT., SCH. MED., NORTH CAROLINA, 67- Consult. Ga. Dept. Ed., 65-69; N.C. Dept. Ment. Health & Lenoir County Ment. Health Clin., 67-69. Psychol. Assn; Group Psychother. Assn; Pub. Health Assn. Community mental health; psycho-social factors in complications of pregnancy; environmental stress. Address: Dept. of Psychiatry, University of North Carolina School of Medicine, Chapel Hill, N.C. 27514.
- MILLER, DR. FRANK C (HARLES). Anthropology. See L-Z Vol, 11th ed, Soc. & Behav. Vols. New information: Also chmn, 69-, Dept. of Anthropology, University of Minnesota, 200 Ford Hall, Minneapolis, Minn. 55455.
- MILLER, DR. GENEVIEVE. History of Medicine & Science. See 5th ed, Dir. Am. Scholars, Vol. I, Hist.
- MILLER, DR. GEORGE A., b. Spokane, Wash., Jan. 19, 39; m. 61; c. 1. SOCIOLOGY. B.A., East Wash. State Col, 61; M.A., Washington (Seattle), 64, Ph.D. (sociol), 66. Instr. SOCIOLOGY, Washington (Seattle), 55-66; ASST. PROF., CALIFORNIA, LOS ANGELES, 66- V.chmn. dept. sociol., California, Los Angeles, 68-69. AAAS; Sociol. Assn; Soc. Study Social Probs. Study of professional employees in bureaucratic organizations in terms of the strains, conflicts and accommodations for both the profession and the organizations. Publ: Co-ed. The sociology of organizations: basic studies, Free Press, 70; auth. Professionals in bureaucracy; alienation among industrial scientists and engineers, Am. Soc. Rev. 10/67; co-auth. Hypothetical situations and particularistic requests: a test in three hospitals, Human Orgn., summer 69. Address: Dept. of Sociology, University of California, Los Angeles, Calif. 90024.
- MILLER, PROF. GEORGE A (RMITAGE). Psychology. See L-Z Vol, 11th ed, Soc. & Behav. Vols. New information: Mem. cnt. sci. & pub. policy, Nat. Acad. Sci., 67- Elected fel., Nat. Acad. Sci., 63. Address: Rockefeller University, New York, N.Y. 10021.
- MILLER, PROF. GLENN W (ASSON). Labor Economics. See L-Z Vol, 11th ed, Soc. & Behav. Vols. New position & address: Prof., 69-, Dept. of Economics, College of Business Administration & Industry, Wichita State University, Wichita, Kans. 67208.
- MILLER, PROF. HENRY LAURENCE, JR. Economics. See L-Z Vol, 11th ed, Soc. & Behav. Vols. New position & address: Prof., 69-, Dept. of Economics, University of Hawaii, Honolulu, Hawaii 96822.
- MILLER, PROF. J. MARK, b. Ochlochnee, Ga., May 23, 27; m. 51; c. 4. BUSINESS ADMINISTRATION. B.S., Fla. State, 59, M.S., 61; Ph.D. (bus. admin.), La. State, 64. Bus. mgr. Andrew Col, 56-59; instr. mgt. La. State, 63-64; assoc. prof. bus. admin., W.G.A. Col., 64-68, PROF. BUS. ADMIN. & CHMN. DIV. BUS. & ECON. STUDIES, 68-, head dept. bus. admin., 65-68. U.S.N., 45-48; U.S.A.F. 50-54, 5/Sgt. Mkt. Assn; Nat. Coun. Small Bus. Mgt. Develop. Demand for new home construction 1963-1973; current problems in business and society. Publ: A rationale for community development, W.G.A. Col. Studies in Soc. Sci., 6/69. Address: Route 6, Box 418, Carrollton, Ga. 30117.

- MILLER, DR. JAMES C. III, b. Atlanta, Ga, June 25, 42; m. 61. ECONOMICS. B.B.A. Georgia, 64; Ph.D.(econ), Virginia, 69. Asst. prof. econ, Georgia State, 68-69; SR. AVIATION ECONOMIST, OFF. POLICY REV. U.S. DEPT. TRANSPORTATION, 69-. AAAS; Econ. Assn; Economist Soc. Military draft; aviation economics; microeconomic theory; public policy. Publ: Co-auth, Why the draft? the case for a volunteer army, Penguin, 68; auth, An aircraft routing model for the airline firm, Am. Economist, spring 68, A paradox on profits and factor prices: comment, Am. Econ. Rev, 9/68. Address: Office of Policy Review, U.S. Dept. of Transportation, Washington, D.C. 20590.
- MILLER, DR. JAMES RUMRILL, III, b. Philadelphia, Pa, Dec. 21, 37; m. 65; c. 2. PSYCHOLOGY, BUSINESS ADMINISTRATION. A.B. Princeton, 59; Woodrow Wilson fel, California, Berkeley, 59-60; M.B.A., Harvard, 62; Ph.D.(indust. mgt), Mass. Inst. Tech., 66. Mem. tech. staff, Milt. Corp, 62-67; res. asst. comput. sci., Mass. Inst. Tech., 64-66; res. assoc, 66-67; asst. prof. BUS. ADMIN., STANFORD, 67-69. ASSOC. PROF, 70- Gen. Elec. Found. grant, 69-71. Consult. Gen. Elec. Co., 66-; Mitre Corp, 67-68; Rand Corp, 67-. Applications and implications of computer technology for behavioral research, decision making and business administration. Publ: Professional decision making, Praeger, 70; On-line analysis for social scientists, Soc. Sci. Info, 4/66; Micro-simulation as an aid to managing human resources, Indust. Mgt. Rev, winter 70. Address: Graduate School of Business, Stanford University, Stanford, Calif. 94305.
- MILLER, DR. JAMES W(ODELL). Experimental & Engineering Psychology. See L-Z Vol, 11th ed, Soc. & Behav. Vols. New position & address: Dir, ocean tech, 69-. Office of the Undersecretary, Dept. of Interior, Washington, D.C. 20240.
- MILLER, PROF. JOHN PERRY. Economics. See L-Z Vol, 11th ed, Soc. & Behav. Vols. New position: Elizabeth S. & A. Varick Stout prof. soc. sci. & dir., 69-. Institute of Social Science, Yale University, 305 Crown St, New Haven, Conn. 06520.
- MILLER, J(OHN) T(HOMAS). Economics. See L-Z Vol, 11th ed, Soc. & Behav. Vols. New position: Consult, U.S. Bur. Census, 68-. Address: 3842 Lanewood Dr, Des Moines, Iowa 50311.
- MILLER, DR. KENNETH E(DWARD). Sociology. See L-Z Vol, 11th ed, Soc. & Behav. Vols. New position & address: Prof. & chmn, 70-, Dept. of Sociology, Drake University, Des Moines, Iowa 50311.
- MILLER, PROF. KENNETH E(UGENE). Political Science. See L-Z Vol, 11th ed, Soc. & Behav. Vols. New position: Also assoc. dean, 69-. Newark College of Arts & Sciences, Rutgers, The State University, Newark, N.J. 07102.
- MILLER, DR. LANCE A., b. El Paso, Tex, Aug. 28, 38; m. 61; c. 2. EXPERIMENTAL PSYCHOLOGY. M.S. Tufts, 60; M.S. Wisconsin, Madison, 66. Nat. Inst. Health fel, 67-68. Ph.D.(psychol), 68. Res. psychologist, U.S. Army Inst. Environ. Med, 61-63; asst. exp. psychol. Univ. Wisconsin, Madison, 63-68; RES. STAFF MEM, IBM WATSON RES. CENTER, 68-. Psychol. Assn. Human information-processing, problem-solving and concept-learning. Address: IBM Watson Research Center, P.O. Box 218, Yorktown Heights, N.Y. 10598.
- MILLER, DR. LAURENCE (P), b. San Francisco, Calif, Nov. 15, 41; m. 65. PSYCHOLOGY. B.A. California, Los Angeles, 63; M.A., San Fernando Valley State Col, 66; Nat. Inst. Mental Health fel, Ohio State, 67-68. Ph.D. (psychol), 68. ASST. PROF. PSYCHOL. WEST. WASH. STATE COL, 68-. AAAS; Psychol. Assn. Experimental psychology, especially learning and motivation; free operant; stimulus learning; stimulus compounding. Publ: Stimulus compounding with an instrumental avoidance response, Psychonomic Sci, 16: 46-47; Compounding of pre-aversive stimuli, 69 & Response summation maintained by F.I. schedules, 70, J. Exp. Anal. Behav. Address: Dept. of Psychology, Western Washington State College, Bellingham, Wash. 98225.
- MILLER, DR. LEONARD S., b. Jersey City, N.J., Dec. 21, 38; m. 65. ECONOMIC. A.B. California, Berkeley, 61, Ph.D.(econ), 67; fel, Center Econ. Res. Athens, 63-64. Asst. res. economist, California, Berkeley, 67-69; ASST. PROF. ECON. STATE UNIV. N.Y. STONY BROOK, 69-. Consult, minister of planning, Greece, summer 64. U.S.A.R. 57-59. Economics of education; economics; public finance; planning. Publ: Co-auth, Demand and supply in U.S. higher education: a progress report, Am. Econ. Rev, 5/70. Address: Dept. of Economics, State University of New York at Stony Brook, Stony Brook, N.Y. 11790.
- MILLER, DR. LINDA B., b. Aug. 7, 37; U.S. citizen. POLITICAL SCIENCE. A.B. Radcliffe Col, 59; M.A., Columbia, 61, Ph.D.(polit. sci), 65. Asst. prof. GOVT, Barnard Col, 64-67; lectr., Harvard, 68-69; ASSOC. PROF, WELLESLEY COL, 69-. Res. assoc. Center Int. Studies, Princeton, 66-67; Center Int. Affairs, Harvard, 67-. Polit. Sci. Assn; Soc. Int. Law; Inst. Strategic Studies; Int. Studies Assn. Western Europe in world politics; internal conflicts and international organizations; problems of the nation-state and regional integration in industrialized societies. Publ: World order and local disorder: the United Nations and internal conflicts, Princeton, 67; ed. & co-auth, Dynamics of world politics: studies in the resolution of conflict, Prentice-Hall, 68; co-auth, Internal war and international systems, Center Int. Affairs, Harvard, 69. Address: 287 Harvard St, Cambridge, Mass. 02138.
- MILLER, PROF. MELBA (MAXINE). Educational Psychology. See L-Z Vol, 11th ed, Soc. & Behav. Vols. New position & address: Prof. spec. ed, 69-, University of South Alabama, 307 Galliard Dr, Mobile, Ala. 36608.
- MILLER, DR. MILROED SAYRE, b. Lockport, N.Y. PSYCHOLOGY. B.S., Wisconsin, 35; Ph.M., 38; Chicago, 38-43; M.A. & Ed.D.(psychiat. guid), Columbia, 50. Asst. to dean housing, Wisconsin, 35-37; asst. dean divinity sch, Chicago, 37-42; dean students & lectr., Heidelberg Col, 42-43; dean students, Arizona State, 43-52; consult. & dean students, Gustavus Adolphus Univ., Southfield, Tex. State Teachers Col. & Wisconsin, 52-56; psychologist, counselor & lectr., Compton Jr. Col, 56-57; psychologist, E. Los Angeles Jr. Col, 58-59; PSYCHOL. COUNSELOR, 59-. Lectr., California, Los Angeles, 58-; psychologist, lectr. & counselor, El Camino Jr. Col, 60-67. AAAS; Psychol. Assn; Personnel & Guid. Assn; Acad. Polit. & Social Sci. Clinical psychology; guidance; physiological psychology. Address: Riviera Village, Redondo Beach, Calif. 90277.
- MILLER, DR. NORMAN. Social Psychology. See L-Z Vol, 11th ed, Soc. & Behav. Vols. New information: Prof. psychol, Southern California, 70-; U.S. Off. Ed. fel, 67-71; Nat. Inst. Child Health & Human Develop, 67-71. New publ: Co-auth, Attitude Change, Wiley, 70. Address: Dept. of Psychology, University of Southern California, University Park, Los Angeles, Calif. 90007.
- MILLER, PROF. NORMAN, b. Bucharest, Rumania, Dec. 14, 21; nat; m. 55; c. 3. SOCIOLOGY. A.B. State Col, 42; Paris, 45-46; Ph.D.(sociol), Columbia, 58. INSTR. SOCIOL., Buffalo, 48-54; lectr., Columbia, 54-55; Brooklyn Col, 55-56; asst. prof., Harper Col. State Univ. N.Y., 56-58; res. assoc. prof., North Carolina, 58-61, res. prof., 61-62; ar. stud. dir., Nat. Opinion Res. Center, Chicago, 62-69; PROF., TRINITY COL.(CONN), 69-. Vis. assoc. prof., Duke, 60-61. Mem. health serv. res. study sect, Dept. Health, Ed. & Welfare, 67-. U.S.A. 43-46. AAAS; Social. Assn; Assn. Pub. Opinion Res. Social stratification; formal organizations; sociology of religion, occupations and professions. Address: Dept. of Sociology, Trinity College, Hartford, Conn. 06106.
- MILLER, DR. NORMAN C., b. May 28, 39; U.S. citizen; m. 63; c. 3. ECONOMIC. B.S. St. Vincent Col, 61; M.A., Pittsburgh, 64, Ph.D.(econ), 66. ASST. PROF. ECON., Bowling Green State, 66-67; CARNEGIE-MELLON, 67-. Nat. Sci. Found. fel, 68-70; summer, vis. asst. prof., Michigan, 67. Am. Econ. Assn; Royal Econ. Soc. International capital flows; monetary theory. Address: Dept. of Economics, Carnegie-Mellon University Graduate School of Industrial Administration, Pittsburgh, Pa. 15213.
- MILLER, DR. NORMAN NEES, b. Rochester, Minn., Nov. 9, 33. POLITICAL SCIENCE, ANTHROPOLOGY. B.A. DePaul, 56; Ford fel. & M.A., Indiana, 62. Carnegie fel, 63, univ. fel, 66, Ph.D.(polit. sci), 67; Indiana Univ. fel, East Africa, 64-66. Vis. lectr. pub. admin, East Africa, 65-66; asst. prof. POLIT. SCI. & AFRICA, MICH. STATE, 66-68, ASSOC. PROF, 68-. African studies res. grant, 67-68; Ford Inst. Bldg. Prog. grant, 68-69; field assoc. East Africa, Am. Univ. Field Staff, 69-70. U.S.A.F. 57-59, Capt. Polit. Sci. Assn; fel. African Studies Assn; Soc. Appl. Anthropol. Soc. Commun. & politics in Africa; rural development; political anthropology; peasant behavior; economic change; communications; film. Publ: Research in rural Africa, Mich. State Univ, 69; Political survival and traditional leadership, J. Mod. African Studies, 68; Rural African Party, Am. Polit. Sci. Rev, 70. Address: Dept. of Political Science, Michigan State University, East Lansing, Mich. 48823.
- MILLER, DEAN OSCAR. Economics. See L-Z Vol, 11th ed, Soc. & Behav. Vols. New information: Also dean student affairs, Illinois, Chicago, 69-. Address: 4638 W. Dempster, Skokie, Ill. 60076.
- MILLER, DR. PAUL VAN REED, Jr., b. Philadelphia, Pa, June 3, 25; m. 52; c. 2. PSYCHOLOGY, EDUCATION. B.A. Yale, 46; M.A., Pennsylvania, 48, Ph.D.(ed), 65. Counsr., Princeton, 48-49; personnel dir., Fischer & Porter Co, 50-61; prog. dir., Ed. Testing Serv, 61-66; ASSOC. PROF, ED. LEHIGH, 66-. Res. consult, Ed. Testing Serv, 66-67; Bethlehem Area Sch. Dist. Pa, 70-. U.S.N., 43-46, Ens. Psychol. Assn; Ed. Res. Assn; Psychomet. Soc; Nat. Coun. Measurement in Ed. Contribution of non-cognitive variables to success in the professions. Publ: Co-auth, The admission test for graduate study in business: a handbook for deans, 66 & auth, Programs of graduate business education, 68, Ed. Testing Serv; Personality differences and student survival in law school, J. Legal Ed, 67. Address: 765 E. Macada Rd, Bethlehem, Pa. 18017.
- MILLER, PROF. PERRY, b. Lynn, Mass, Sept. 8, 28. PSYCHOLOGY, ELEMENTARY EDUCATION. B.S., Boston, 50, Ed.M., 51, Ed.D.(counseling psychol), 62. Teacher, pub. schs, Mass, 53-56; instr. PSYCHOL. & ED, BOSTON STATE COL, 56-57, asst. prof, 57-62, asst. prof, 62-70, PROF, 70-. Asst. prof. air sci, dept. aerospace sci, Boston, 57-61; lectr. state univ. exten. prog, Harvard, 58-60; Framingham State Col, 59-61; ed. specialist, U.S. Air Force Res. Prog, 65-. Mil. ed. adv. N.Y. State Civil Air Patrol, 54-55; psychol. consult, Mass. Rehab. Cmn, 63-64. U.S.A.F. 51-53, Res. 65-, Maj. Psychol. Assn. Social status of teachers and their professional attitudes; development of graduate programs of study for the training of elementary school teachers; practice of counseling psychology. Address: Dept. of Psychology & Education, Boston State College, 625 Huntington Ave, Boston, Mass. 02118.
- MILLER, DR. PETER S., b. Middleboro, Mass, June 14, 37; m. 65; c. 1. ANTHROPOLOGY, PHYSIOLOGY. B.S., Nebraska, 62; fel., Pittsburgh, 62-64; M.A., Arizona, 67, Ph.D.(anthrop), 69. Instr. phys. anthrop, State Univ. N.Y. Albany, 67-69; ASST. PROF. ANTHROP., CALIFORNIA, LOS ANGELES, 69-. U.S.A.F. 58-62. AAAS; Anthrop. Assn; Assn. Phys. Anthropol. Secular change in morphology among minority group populations in the United States; paleopathology and paleodemography of prehistoric populations of Western United States. Publ: Evolution from universe to man, Little, 72; Secular changes among western Apache, Am. J. Phys. Anthropol, 70. Address: Dept. of Anthropology, University of California, 405 Hilgard Ave, Los Angeles, Calif. 90024.
- MILLER, PROF. REUBEN (GEORGE). Economics. See L-Z Vol, 11th ed, Soc. & Behav. Vols. New position & address: Charles A. Dana prof. & chmn, 70-, Dept. of Economics, Sweet Briar College, Sweet Briar, Va. 24595.
- MILLER, DR. RICHARD I. Social Sciences, Education. See L-Z Vol, 11th ed, Soc. & Behav. Vols. New position & address: V-pres. acad. affairs & dean col, 70-, Baldwin-Wallace College, Berea, Ohio 44017.
- MILLER, PROF. ROBERT E. Economics. See L-Z Vol, 11th ed, Soc. & Behav. Vols. New position & address: Prof. econ. & chmn. dept, 68-, School of Business, California State College, Chico, Calif. 95926.
- MILLER, DR. ROBERT W(ILLIAM). Political Science. See L-Z Vol, 11th ed, Soc. & Behav. Vols. New position: Assoc. prof, 69-, Dept. of Political Science, Wayne State University, Detroit, Mich. 48202.

- MILLER, DR. ROGER LEROY, b. Los Angeles, Calif, May 1, 43; m. 66; c. 1. ECONOMICS. A.B. California, Berkeley, 65; Nat. Sci. Found, Woodrow Wilson & Lilly fela. & Ph.D.(econ), 68; Asst. scientist, Booz, Allen, Appl. Res. Inc., 65-66; ASST. PROF. ECON, WASHINGTON (SEATTLE), 68- Econ. Asn; Economet. Soc; Statist. Asn. Econometrics; demand for labor; monetary theory; educational production functions. Publ: Applied econometrics, Wadsworth (in press); The reserve labor hypothesis, Econ. J. (in press). Address: Dept. of Economics, Guthrie Hall, University of Washington, Seattle, Wash. 98105.
- MILLER, DR. SPENCER, JR. American Government. See 11th ed, Soc. & Behav. Vols, deceased 68.
- MILLER, DR. STANLEY NORMAN. American History & Government. See 5th ed, Dir. Am. Scholars, Vol. I, Hist.
- MILLER, PROF. VERGIL V. b. Eugene, Ore, Oct 26, 29; m. 54; c. 2. BUSINESS ADMINISTRATION. B.A. Ore. State Col, 55; M.B.A. Washington (Seattle), 59; grant, San Jose State Col, 62; D.B.A. Oregon, 63. Asst. bus. Washington (Seattle), 59-59; instr. Oregon, 59-61; asst. prof. San Jose State Col, 61-62; Oregon State, 62-63; assoc. prof. bus. admin. East Wash. State Col, 63-67, chmn. dept, 63-65; PROF. BUS. ADMIN. & DEAN SCH. SACRAMENTO STATE COL, 67- Participant, Int. Bus. Mach. Corp. Sch. for Dir. Digital Comput. Centers, Poughkeepsie, N.Y., 64; admin. dir. Digital Comput. Center, East Wash. State Col, 64-65; consultant, Fall Creek Gravel Co., Ore, 60- Cascade Summit Construct. Co, summer, 63; Checcik & Co, D.C., 66-67. Assoc. prof. univ. & ed, Northwest Bus. Mgt, Oregon State, 65-67. Asst. Asn; Econ. Asn; Finance Asn. Managerial finance; business economics; economics; monetary and banking theory; theory of organization and management; statistics and quantitative decision theory; sociology and related subjects, especially human relations in industrial administration. Publ: Negative control versus positive motivation for attaining managerial goals, summer 65 & The cash budget—a method for planning future cash needs, fall 66, Northwest Bus. Mgt; co-auth, Capital budgeting: a modified approach to capital allocation, Mgt. Acct, 3/69. Address: School of Business Administration, Sacramento State College, 6000 J. St, Sacramento, Calif. 95819.
- MILLER, DR. WICK R. b. Albuquerque, N.Mex, Jan. 6, 32; m. 54; c. 2. ANTHROPOLOGY, LINGUISTICS. A.B. New Mexico, 53; Am. Coun. Learned Soc. fel, Michigan, summer 59; Ph.D.(ling), California, Berkeley, 62. Asst. res. linguist, Inst. Human Learning, California, Berkeley, 60-63; asst. prof. ANTHROP, UTAH, 63-67, ASSOC. PROF, 67; Nat. Sci. Found. res. grant, 64-68. Anthropol. Asn; Soc. Asn. Child language; social linguistics; Uto-Aztecan linguistics. Publ: Acoma grammar and texts, 65 & Uto-Aztecan cognate sets, 67, Univ. California; Anthropological linguistics in the Great Basin, In: The current status of anthropological research in the Great Basin, Univ. Nevada, 64. Address: Dept. of Anthropology, University of Utah, Salt Lake City, Utah 84112.
- MILLER, DR. WILLIS H(AMILTON). Geography. See L-Z Vol, 11th ed, Soc. & Behav. Vols. New information: Retired, 69. Address: 4366 Altamirano Way, San Diego, Calif. 92103.
- MILLIGAN, PROF. CHARLES S(TUART). Philosophy. See 5th ed, Dir. Am. Scholars, Vol. IV, Philos, Relig. & Law.
- MILLIKAN, PROF. MAX F(RANKLIN). Economics. See 11th ed, Soc. & Behav. Vols, deceased 69.
- MILLMET, DR. CHARLES RAYMOND, b. New York, N.Y., May 17, 41; m. 67. CLINICAL PSYCHOLOGY. B.A. Hunter Col, 63; M.A. Miami (Ohio), 65; Ph.D.(psychol), Okla. State, 68. ASST. PROF. PSYCHOL, NEBRASKA, OMAHA, 68- Consult, dept. psychiat, sch. med, Creighton, 70- Psychol. Asn. Relationship and assessment of anxiety and defense. Publ: The manifest anxiety-defensiveness scale: the first factor of the MMPI revisited, Psychol. Reports, (in press). Address: Dept. of Psychology, University of Nebraska at Omaha, Omaha, Nebr. 68101.
- MILLMAN, DR. HOWARD L(OUIS). Clinical Psychology. See L-Z Vol, 11th ed, Soc. & Behav. Vols. New position & address: Dir. psychol. serv, 69-, Children's Village, Dobbs Ferry, N.Y. 10522.
- MILLON, PROF. THEODORE. Psychology. See L-Z Vol, 11th ed, Soc. & Behav. Vols. New position & address: Prof. psychiat. & dir. 70- Division of Psychology, University of Illinois College of Medicine, 912 S. Wood St, Chicago, Ill. 61801.
- MILLS, DR. DANIEL QUINN, b. Houston, Tex, Nov. 24, 41. ECONOMICS. B.A. Ohio Wesleyan, 63; M.A. Harvard, 65, Ph.D.(econ), 66. Instr. econ, Harvard, 67-68; ASST. PROF. INDUST. RELS. MASS. INST. TECH, 68- Res. assoc. pub. policy, Harvard, 68- Expert, Off. of Secy, U.S. Dept. Labor, 69- Econ. Asn; Indust. Rel. Res. Asn. Industrial relations and manpower training; wage theory; economics of construction and housing. Publ: Co-auth, Manpower in construction, Govt. Printing Off, 69. Address: Dept. of Industrial Relations, E52-453B, Massachusetts Institute of Technology, Cambridge, Mass. 02139.
- MILLS, DR. DAVID HARLOW. Psychology. See L-Z Vol, 11th ed, Soc. & Behav. Vols. New position & address: Assoc. prof. psychol. & asst. dir, 69-, Counseling Center, University of Maryland, Shoemaker Bldg, College Park, Md. 20742.
- MILLS, DR. EDWARD KENNETH, JR. b. Ogden, Utah, June 10, 26; m. 50; c. 4. PSYCHOLOGY. B.S. Utah, 49, M.S. 60, Ph.D., 69. Teacher, pub. schs, Spokane, Wash, 52-53; instr. psychol. Univ. Maryland, Japan, 53-54; human engr. & liaison officer, Ramo-Woolridge Labs, 60-61; assoc. prof. psychol. U.S. Air Force Acad, 61-66; instr. Univ. Maryland, Vietnam, 66-67; chief psychol. opera, civic action dept, U.S. Air Force Spec. Air Warfare Sch, 67-69; ASST. PROF. & ASSOC. DIR. INST. HUMAN DEVELOP, NORTHERN ARIZONA, 69- Polit. warfare adv. Vietnamese Air Force & adv. Vietnamese Nat. Develop. Prof, 66-67. U.S.N. 44-46; U.S.A.F., 51-59. Lt. Col. Psychol.
- Asn; Soc. Int. Develop; Nat. Coun. Family Rel. Educational psychology; learning theory; national development; conflict theory; clinical psychology; family life studies; social psychology. Publ: Function of level of awareness on problem solving; Predicting academic and officer performance of the U.S. Air Force Academy class of 1959. Address: Box 5860, Northern Arizona University, Flagstaff, Ariz. 86001.
- MILLS, DR. EUGENE S(SUMNER). Psychology. See L-Z Vol, 11th ed, Soc. & Behav. Vols. New information: Also acad. v. pres, 70-, University of New Hampshire, Thompson Hall, Durham, N.H. 03824.
- MILLS, DR. JOE D, b. Charlotte, N.C., June 14, 23; m. 50; c. 4. SOCIOLOGY. B.A. North Carolina, 47; M.A. Wisconsin, 51, Ph.D.(sociol), 54; B.D. Seabury West. Theol. Sem, 59- Asst. prof. Sociol, Mich. State, 51-55; Fulbright res. scholar, Vienna, 55-56; assoc. rector, Christ Episcopal Church, Dearborn, Mich, 59-61; rector, St. Stephen's Church, Cincinnati, Ohio, 61-68; ASSOC. PROF. SOCIOL, SEATTLE, 68- Lectr, Kendall Col, 57-59; vis. asst. prof, Cincinnati, 62-67; summer, lectr, Miami (Ohio), 62. U.S.A.A.F., 43-45, Sgt. Sociol. Asn; Soc. Sci. Study Relig. Social change; urban sociology; social psychology; Predicting academic and officer performance of the U.S. Air Force Academy class of 1959. Address: Dept. of Sociology, Seattle University, Seattle, Wash. 98122.
- MILLS, DR. RICHARD L(EWIS). Economics, Statistics. See L-Z Vol, 11th ed, Soc. & Behav. Vols. New information: Also asst. dean, 68-, Whittemore School of Business & Economics, University of New Hampshire, Durham, N.H. 03824.
- MILLS, DR. THEODORE M(ASON). Sociology. See L-Z Vol, 11th ed, Soc. & Behav. Vols. New position & address: Prof. & chmn, 68-, Dept. of Sociology, State University of New York at Buffalo, 4224 Ridge Lea, Amherst, N.Y. 14226.
- MILNE, PROF. DAVID S(PENCER). Sociology. See L-Z Vol, 11th ed, Soc. & Behav. Vols. New information: No longer chmn. div. soc. sci, San Diego State Col. Address: Dept. of Sociology, San Diego State College, San Diego, Calif. 92115.
- MILSTEIN, DR. JEFFREY STEPHEN, b. Denver, Colo, Dec. 24, 39; m. 63; c. 1. POLITICAL SCIENCE. A.B. Columbia, 62; M.A. Stanford, 65, Ph.D. (polit. sci), 70. ASST. PROF. POLIT. SCI, Mich. State, 68-69; YALE, 69- Consult, off. nat. security studies, aerospace sys. div, Bendix Corp, 69- Am. Polit. Sci. Asn; Peace Res. Soc.(Int); Int. Studies Asn. International relations and conflict; foreign and military policy making; content and statistical analysis; mathematical modeling; computer simulation; measurement and scaling of events; Vietnam War; Arab-Israeli conflict; Soviet-American arms race; international cooperation for population planning and control. Publ: Co-auth, Scaling data on inter-nation action, Science, 5/67 & Dynamics of the Vietnam conflict, 1965-1967: a quantitative analysis and predictive computer simulation, Papers of Peace Res. Soc.(Int), 68; An educational experiment, In: Computers and policy-making community, Prentice-Hall, 68. Address: Dept. of Political Science, Yale University, New Haven, Conn. 06520.
- MINDEN, DR. ARLO J. b. Strom Lake, Iowa, Jan. 25, 41; m. 61; c. 3. AGRICULTURAL ECONOMICS, MANAGEMENT SCIENCE. B.S. Iowa State, 62, M.S., 63; Ph.D.(agr. econ), 65. Short course officer adult ed, Iowa State, 62-64; res. assoc. agr. econ, 64-65; res. economist, Fla. State Citrus Cmn, 65-66; asst. prof. AGR. ECON, PURDUE, 66-69, ASSOC. PROF, 69- Agr. Econ. Asn; Econ. Asn; Firm growth strategy; computerized management decision making. Publ: Quadratic programming: an approach to allocating primary product stocks among alternative final product forms, South. J. Bus. 4/67; Dynamic programming: a tool for farm firm growth research, Can. J. Agr. Econ, 6/68; A systems approach to planning long-range marketing programs, Am. J. Agr. Econ, Vol. 50, No. 5; plus others. Address: Dept. of Agricultural Economics, 621 Krannert Bldg, Purdue University, Lafayette, Ind. 47907.
- MINER, PROF. ROBERT B(RADFORD). Marketing. See L-Z Vol, 11th ed, Soc. & Behav. Vols. Change of address: College of Administrative Science, Ohio State University, 1775 S. College Rd, Columbus, Ohio 43210.
- MINGO, DR. JOHN J(ERALD), b. Norristown, Pa, Feb. 1, 43; m. 66; c. 1. ECONOMICS. B.A. Yale, 65; Ph.D.(econ), Brown, 70. ASST. PROF. ECON, & DIR. CENTER ECON. DEV, MONTANA, 69- Exec. dir, Mont. State Coun. Econ. Dev, 70- Econ. Asn; Economet. Soc. Economic growth; international trade; macroeconomics; Capital imports and two-sector growth in a small country, West. Econ. J., 9/70. Address: Dept. of Economics, University of Montana, Missoula, Mont. 59801.
- MINKE, DR. KARL ALFRED, JR. b. Piqua, Ohio, Feb. 28, 40; m. 63; c. 1. PSYCHOLOGY. B.S. Arizona State, 61; Ph.D.(ed. psychol), Wisconsin, 68. ASST. PROF. PSYCHOL, HAWAII, 66- Psychol. Asn. Complex human behavior; verbal behavior; behavior modification; experimental analysis of behavior. Publ: Co-auth, A reinforcer system and experimental procedure for the laboratory study of reading acquisition, Child Develop, 64, Reinforcement variables in the control of unit reading responses, J. Exp. Anal. Behav, 64 & Cognitive behavior modification: motivated learning reading treatment with subprofessional therapy-technicians, Behav. Res. & Ther, 67. Address: Dept. of Psychology, University of Hawaii, Honolulu, Hawaii 96822.
- MINKEL, PROF. CLARENCE W(ILBERT). Geography. See L-Z Vol, 11th ed, Soc. & Behav. Vols. New information: Also assoc. dean, 68-, Graduate School, Michigan State University, East Lansing, Mich. 48823.
- MINNEMAN, DR. P(AUL) (GEORGE). Agricultural Economics. See L-Z Vol, 11th ed, Soc. & Behav. Vols. New position & address: Consult, 69-, Foreign Agricultural Service, U.S. Dept. of Agriculture, Washington, D.C. 20250.
- MINTZ, PROF. ILSE. Economics. See L-Z Vol, 11th ed, Soc. & Behav. Vols. New position: Adj. prof, Catholic Univ, 69- Address: 4201 Cathedral Ave, Washington, D.C. 20016.

- chol, 1/70. Address: Dept. of Administration & Psychology, School of Business, University of Washington, Seattle, Wash. 98105.
- MITCHELL, DR. VANCE F. b. Baltimore, Md. Mar. 30, 23; m. 45; c. 2. PSYCHOLOGY, BUSINESS ADMINISTRATION. B.S. Maryland, 57; M.B.A. George Washington, 58; Ph.D. (bus. psychol.), California, Berkeley, 67. Instr. & asst. to dean schs. bus. admin. (california), Berkeley, 64-67; ASSOC. PROF. ORGN. BEHAV. BRITISH COLUMBIA, 67- Staff mem. Banff Sch. Adv. Mgt. 67; U.S.A.F. 42-63, Lt. Col. Psychol. Asst.; Indust. Res. Res. Asst. Acad. Mgt. Managerial motivation; attitude studies; occupational perceptions; need satisfactions and role perceptions of military officers and noncommissioned officers. Publ: Co-auth. Comparative study of need satisfactions in military and business hierarchies, 67; Comparative managerial role perceptions in military and business hierarchies, & auth. Need satisfactions of military commanders and staff officers, (in press), J. Appl. Psychol. Address: Faculty of Commerce & Business Administration, University of British Columbia, Vancouver 8, B.C., Can.
- MITCHELL, DR. WILLIAM EDWARD. Anthropology. See L-Z Vol. 11th ed, Soc. & Behav. Vols. New information: Ph.D. (anthrop.), Columbia, 69. Assoc. prof., 69-, Dept. of Psychiatry, University of Vermont, College of Medicine, Burlington, Vt. 05401.
- MITTLEBEELER, PROF. EMMET V (AUGHN). Political Science. See L-Z Vol. 11th ed, Soc. & Behav. Vols. New information: Vis. prof. inst. admin. Univ. Ife, Nigeria, 69- Address: School of Government & Public Administration, American University, Massachusetts & Nebraska Ave, N.W., Washington, D.C. 20016.
- MITTRA, PROF. SID. Economic Development. See L-Z Vol. 11th ed, Soc. & Behav. Vols. New position: Prof. & chmn., 69-, Dept. of Economics, Oakland University, Rochester, Mich. 48063.
- MITZMAN, DR. ARTHUR. History, Sociology. See 12th ed, Phys. & Biol. Vols.
- MITZNER, DR. MORRIS. b. New York, N.Y. June 1, 14; m. 35; c. 5. SOCIOLOGY. B.S.S. City Col. New York, 43; fel. Emory, 62, M.A., 64, Ph.D. (sociol.), 68. ASSOC. PROF. SOC. SCI., GA. INST. TECH., 61- Indust. Res. Res. Asst. Sociol. Asst. Acad. Polit. Sci. Social psychology; complex organization. Address: 1307 N. Highland Ave. N.E., Atlanta, Ga. 30306.
- MOBERLY, DR. HOWARD DEAN, b. Dahlart, Tex. Feb. 5, 34; m. 59. AGRICULTURAL ECONOMICS. B.S. Abilene Christian Col., 60; M.S., Texas Tech, 65; Ph.D. (agr. econ), Texas A&M, 68. Res. asst. agr. econ, Texas Tech, 63-64; Texas A&M, 64-68; ASST. PROF. ECON. S.D.A.K. STATE, 68- U.S.A.F. 53-57. Econ. Asst.; Agr. Econ. Asst. Soc. Range Mgt. Farm and ranch economics, especially efficient resource allocation. Publ: Co-auth. Production and production requirements, costs and expected returns for midland bermuda grass—high plains of Texas, Tex. Agr. Exp. Stat., 65. Address: Dept. of Economics, South Dakota State University, 207 S. Nike Site, Ellsworth Air Force Base, S.Dak. 57706.
- MOBUS, DR. J. MARK, b. North Bellmore, N.Y. Aug. 15, 36. SOCIAL PSYCHOLOGY, ECONOMIC DEVELOPMENT. B.F.A. Boston, 58; M.S. 59. Nat. Methodist scholar. & univ. grant, 60; Ph.D. (social psychol.), Mass. Inst. Tech., 64. Consult. Itek Corp., 61-62; Raytheon Corp., 62-63; vis. scholar, Brookings Inst., 64, res. coordinator, Int. Res. Assocs., 66; res. scientist, Am. Insts. Res., 66-68; res. mgr. mkt. res. Monsanto Overseas Enterprise Co., 68-69; MANAGING DIR., CORAL, INC., 69- Sociol. Asst. Am. Psychol. Asst. Polit. Sci. Asst. Econ. growth, especially market development, scientific management and psychological factors affecting industrialization. Publ: The non-television household, J. Broadcasting, spring 60; Korean public opinion and the normalization of relations with Japan, Journalism Quart., autumn 65. Address: P.O. Box K-1311, Hong Kong.
- MOCK, DR. JOE F (ALLWELL). Psychology. See L-Z Vol. 11th ed, Soc. & Behav. Vols. New information: Also assoc. dir. Community Ment. Health Center, Inc. Address: 93 N. Edgemont Rd., Huntington, W.Va. 25701.
- MODIANO, DR. NANCY, b. New York, N.Y. Sept. 21, 30. EDUCATIONAL ANTHROPOLOGY. B.S. N.Y. Univ., 51; M.A., 56; Ida M. Bowman fel. & Off. Ed. grant, 64, Ph.D. (elem. ed), 66. Supvr. group work, Bronx House, 55-56; teacher elem. grades, New Lincoln Sch., 56-59; Am. Sch. Mexico City, 59-60; res. asst. child. Asst. Econ. growth, especially market development, 62-66, asst. prof., 66-69; RES. ASSOC. ED. ANTHROP. ED. STUDY CENTER, 69- Grant, Off. Ed. U.S. Dept. Health, Ed. & Welfare, 66-67, 68-; N.Y. Univ. inst. grant, 68-69. Consult. Hoboken Bd. Ed., N.J. 67- Mem. steering com., Coun. Anthropol. & Ed. 69- Ed. Res. Asst.; fel. Anthropol. Asst. Child development; curriculum theory and development; social foundations of education; cognitive development. Publ: Bilingual education for children of linguistic minorities, Am. Indigena, 68; A Chamula life, Nat. Hist., 68; co-auth. Cognitive style in rural and urban Mexico, Human Development, 69. Address: 1000 Sixth St. S.W., Washington, D.C. 20024.
- MODIGLIANI, DR. VITO, b. Rome, Italy, Aug. 28, 36; m. 66; c. 1. EXPERIMENTAL PSYCHOLOGY. Ph.D. Physics, Rome, 60; Ph.D. (psychol.), Wayne State, 69. Res. assoc. nuclear physics, Ital. Nat. Cmt. Nuclear Energy, 61-63; Texas, Austin, 64; asst. part-time, Wayne State, 65-69; ASST. PROF. PSYCHOL., WESLEYAN, 69- Cognitive processes. Publ: Co-auth. Response meaningfulness in paired associates, 67; Conservation of meaning as a factor in forgetting new associates, 69 & auth. Evaluation of a model relating Thorndike-Lorge frequency and m to learning, 69, J. Exp. Psychol. Address: Dept. of Psychology, Wesleyan University, Middletown, Conn. 06457.
- MODRICK, DR. JOHN A (NTHONY). Psychology. See L-Z Vol. 11th ed, Soc. & Behav. Vols. New position & address: Scientist, 89-, Applied Science Associates, Inc., Box 158, Valencia, Pa. 16059.
- MOE, PROF. EDWARD (QWEN). See L-Z Vol. 11th ed, Soc. & Behav. Vols. New position: Exec. dir., 68-, Division of Community & Urban Development, University of Utah, P.O. Box 200, Salt Lake City, Utah 84110.
- MOE, DR. RONALD C. b. San Diego, Calif. May 28, 37; m. 62; c. 2. POLITICAL SCIENCE. B.A., Claremont Nat. Col., 59; M.A., Columbia, 62, Ph.D. (polit. sci.), 68. Lectr. POLIT. SCI., Rutgers, 65-66; City Univ. New York, 66-67; ASST. PROF. SAN DIEGO STATE COL., 67- Lectr. Columbia, 66-67. Res. consult. Republican Nat. Cmt., 60. Intl. C., U.S.A., 59-66, Capt. Acad. Polit. Sci. Publ. Sci. Asst. Legislative process; public administration; political parties. Publ: Co-auth. American government and politics; selected readings, C.E. Merrill, 70; auth. The New York constitutional convention of 1915, Proc. Acad. Polit. Sci., 1/67; co-auth. Congress as policymaker: a necessary reappraisal, Polit. Sci. Quart., 9/70. Address: 6808 Bonnie View Dr., San Diego, Calif. 92119.
- MOECKEL, DEAN BILL R. b. Pekin, Ill., Sept. 2, 25; m. 46; c. 3. MANAGEMENT. B.S. Illinois, 48, M.S., 49, fel. 51-53, Ph.D. (bus.), 53. Asst. sch. journalism, Illinois, 49; instr. mkt. Missouri, 49-51; asst. prof. bus. admin. Ga. State Col. Bus. Admin., 53-54; assoc. prof. & assoc. dean, Ohio State, 54-67; DEAN, SCH. BUS. ADMIN., MIAMI (OHIO), 67- Mem. Columbus Chamber Commerce Res. & Develop. Cmt., 63-65; adv. coun. Aerospace Res. Appl. Center, 64-66. U.S. Air Force citation, 60. U.S.A. 43-46, 5/67. Acad. Mgt. Address: School of Business Administration, Miami University, Oxford, Ohio 45056.
- MOERK, DR. ERNST, b. Gallbrunn, Austria, Mar. 10, 37. PSYCHOLOGY. Ph.D. (psychol.), Innsbruck, 64. Staff psychologist, Infratest, 64-65; Landeskrankenhaus Heiligenhafer, 65-66; res. fel. clin. psychol. Mt. Sinai Hosp., 66-67; ASST. PROF. DEVELOP. PSYCHOL., FRESNO STATE COL., 67- Psychol. Asst. Psycholinguistics; developmental psychology; problems of the culturally deprived child. Publ: Quantitative analysis of writing styles, J. Ling., 11/70. Address: Dept. of Psychology, Fresno State College, Fresno, Calif. 93726.
- MOFFETT, DR. WILLIAM ANDREW. British History. See 5th ed, Dir. Am. Scholars, Vol. 1, Hist.
- MOFIELD, DR. WILLIAM RAY, b. Hardin, Ky. July 3, 21; m. 53; c. 1. SPEECH, JOURNALISM. A.B. Murray State, 43; Northwestern, 45; Columbia Broadcasting Co. News fel. & M.A. Columbia, 58; Ph.D. (speech), Southern Illinois, 64; LL.D. Magic Valley Christian Col., Idaho, 62. Teacher high sch., Ill., 44-45; mgr. broadcasting, WPAD-AM-FM, Paducah, Ky., 45-59; teacher-dir. Southern Illinois, 59-64; asst. to pres. admin. MURRAY STATE, 64-68. CHMN. DEPT. COMMUN., 68- Consult. Elem. Sec. Ed. Act, 66- U.S.N.R., 42-43. Speech Asst. Am. Asst. Ed. Journalism. Broadcast audience surveys; published brochures; economic development. Publ: FM capital of the world, Young, 49; Development of an area by tourism, Ky. Dept. Parks, 65; Benton's big singing, Mayfield Messenger Co., 69. Address: Dept. of Communications, Murray State University, Murray, Ky. 42071.
- MOHAMED, DR. HAROLD, b. Sioux Falls, S.Dak., Jan. 23, 32; m. 61; c. 3. URBAN & TRANSPORTATION GEOGRAPHY. B.S. Indiana State, 57; Transportation Center fel., Northwestern, 57-58, M.S., 58, Ph.D. (geog.), 67. Cartog. asst., Off. Naval Res. study, 58-59; instr. geog., Elmhurst Col., 60-64, asst. prof. & chmn. dept., 64-67; assoc. prof. geog. & dir. instn. res. NORTHEAST ILL. STATE COL., 67-70, ASSOC. PROF. GEOG. & ASST. V. PRES. ADMIN. AFFAIRS, 70- Kroger Co. study, 58-59; teaching asst., Northwestern, 58-61; Fair Store Corp. at Old Orchard study, 60-61. Asst. Am. Geog.; Pop. Coun. Am.; Asst. Instn. Res. Research on present-day housing patterns and projection for the future for the city of Elmhurst, Illinois. Publ: Co-auth. The Belmont study, a study of enrollment trends, building needs and curriculum, 60, Stuckey Township school district No. 111, a study of enrollment trends and building needs, 62 & A re-study of the population and enrollment trends in Bloom Township high school district, 62, Northwestern Univ. Ed. Consult. Serv. Address: Northwestern Illinois State College, 5500 N. St. Louis Ave., Chicago, Ill. 60625.
- MOIR, JOHN BROWNLEE, b. Detroit, Mich., July 25, 25; m. 58; c. 2. CLINICAL PSYCHOLOGY, SOCIOLOGY. B.S. Wayne, 51, M.A., 53; Purdue, 62. Res. assoc. psychol., Wayne, 53-54; CLIN. PSYCHOLOGIST, Wayne County Clin. Child Study, Mich., 54-56; Beatty Mem. Hosp. Westville, Ind., 56-61; SOUTH OAKLAND CHILD GUID. CLIN., 61-; DIR. PSYCHOL. DEPT., NORTHWEST STATE HOSP., MICH., 61- U.S.N., 43-45. Psychol. Asst. Alcoholism; juvenile delinquency; emotional factors in learning, especially physiological aspects of emotion and learning. Publ: Co-auth. Study of teenagers arrested for drunkenness, Quart. J. Study Alcoholism, Factors linked to success in counseling homeless alcoholics & Comparison of assaultive and heavy drinking adolescents. Address: 15912 Rosemont Rd., Detroit, Mich. 48223.
- MOL, PROF. JOHANNIS J. b. Rozenburg, Holland, Feb. 14, 22; U.S. citizen; m. 53; c. 4. SOCIOLOGY, RELIGION. B.D. Union Theol. Sem., 55; M.A., Columbia, 56, Ph.D. (sociol.), 60. Lectr. sociol., Canterbury, 61-63; fel. Australian Nat. Univ., 63-70; PROF. SOCIOL. OF RELIG., McMASTER, 70- Del. for Australia, Coun. Int. Sociol. Asst., 66-; chmn. sect. relig. res. World Cong. Sociol. Varua, Bulgaria, 70. Sociol. Asst. Australia & N.Z. (secy-treas, 63-69). Race relations; immigrant adjustment; sociology of religion. Publ: The breaking of traditions, Glendessary, 68; Christianity in chains, 69 & Religion in Australia, 70, Nelson. Address: Dept. of Religion, McMaster University, Hamilton, Ont., Can.
- MOLAND, PROF. JOHN JR. Sociology, Psychology. See L-Z Vol. 11th ed, Soc. & Behav. Vols. New position & address: Chmn. dept. sociol. & dir., 69-, Center for Social Research, Southern University, P.O. Box 9981, Baton Rouge, La. 70813.
- MOLISH, DR. HERMAN (BARRY). Clinical Psychology. See L-Z Vol. 11th ed, Soc. & Behav. Vols. New information: Chief psychol. serv. Tex. Children's Hosp., 68 & assoc. prof. pediat. psychol., Baylor Med. Sch., 68- Address: 6621 Fannin St., Houston, Tex. 77025.

- MOLITOR, SISTER MARGARET ANNE, R.S.M.**, b. Milford, Ohio, Sept. 19, 20. **SOCIOLOGY**. B.A., Edgely Col. 42; M.Ed., Xavier, 50; M.A., Catholic Univ. 63, Ph.D.(sociol.), 67. Teacher, elem. & sec. schs. Archdiocese of Cincinnati, 43-53; Mother of Mercy High Sch., 54-60; instr. **SOCIOLOGY**, EDGELY CLIFF COL., 62-63; asst. prof., 66-69; **PROF.**, 69. **Social. Assn.** Dropouts from religious communities; religious life and government. Address: Dept. of Sociology, Edgely College, Cincinnati, Ohio 45260.
- MOLLOY, DR. JOHN D.**, b. Cincinnati, Ohio, Jan. 1, 31; m. 59; c. 2. **POLITICAL SCIENCE**. A.B., Cincinnati, 53; M.A., 56; Ph.D.(polit. sci.), 59. Instr. polit. sci., Marquette, 59-61; from asst. prof. to assoc. prof., Our Lady of Cincinnati Col. 61-66; **ASST. PROF. SOC. SCI.**, MICH. STATE, 66. From vis. asst. prof. to assoc. prof., Cincinnati, summers, 61-66. **Polit. Sci. Assn.**; **Soc. Pub. Admin.** Government and the press; role of free press; legal problems of government; press in American democracy. Address: 514 Gainsborough Dr., East Lansing, Mich. 48823.
- MOLOF, DR. MARTIN JOSEPH**. **Psychology**. See L-Z Vol. 11th ed. **Soc. & Behav. Vols.** New position: Sr. res. psychologist, Mentec Corp., Los Angeles, 70. Address: 2120 Fourth St., Santa Monica, Calif. 90405.
- MOLOTCH, DR. HARVEY LUSKIN**, b. Baltimore, Md. Jan. 3, 40; m. 64; c. 1. **SOCIOLOGY**. Marshall Field fel., Chicago, 64; Lingle fel., 65-66, M.A., 66. Nat. Inst. Ment. Health fel., 66-67, Ph.D.(sociol.), 68. **ASST. PROF. SOCIOLOGY**, CALIFORNIA, SANTA BARBARA, 67. Faculty res. grant, California, Santa Barbara, 68-69, summer faculty fel., 68. Consult., Calif. State Dept. Ment. Health, spring 69; coord. coun. West Side San Joaquin Valley Studies, 69. U.S.A. 61-62. **Social. Assn.** Urban ecology; public policy formation; mass media. Publ.: Racial change in a stable community, *Am. J. Sociol.*, 11/69; Racial integration in a transition community, *Am. Sociol. Rev.*, 12/69; Oil in Santa Barbara and power in America, *Social. Inquiry*, 1/70. Address: Dept. of Sociology, University of California, Santa Barbara, Calif. 93106.
- MONAT, PROF. WILLIAM ROBERT**. **Political Science**, Public Administration. See L-Z Vol. 11th ed. **Soc. & Behav. Vols.** New position & address: Prof. & chmn., 69. Dept. of Political Science, Northern Illinois University, DeKalb, Ill. 60115.
- MONMONTER, DR. MARK STEPHEN**, b. Baltimore, Md. Feb. 2, 43; m. 65. **GEOGRAPHY**. B.A., Hopkins, 64; Maryland, 64-65; Nat. Defense Ed. Act fel., Pa. State, 65-68. M.S. 67. Ph.D.(geog.), 69. **ASST. PROF. GEOG.**, Rhode Island, 69-70; **STATE UNIV. N.Y. ALBANY**, 70. **Assn. Am. Geog.**; **Assn. Geog. Soc. Regional Sci. Assn.** Rural Social. Soc. Automated map analysis and computer mapping; spatial components of crop production, farm mechanization and rural health care. Publ.: Co-auth., Surface area from contour maps, *Photogrammetric Eng.*, 66; auth., Computer mapping with the digital increment plotter, *Prfnl. Geographer*, 68; Trends in upland accordance in Pennsylvania's ridge and valley section, *Proc. Pa. Acad. Sci.*, 68. Address: Dept. of Geography, State University of New York at Albany, 1400 Washington Ave., Albany, N.Y. 12203.
- MONROE, DR. KENTON L.**, b. Wellington, Kans. July 31, 33; m. 57; c. 5. **PSYCHOLOGY**. B.A., Oregon, 59; Nat. Inst. Ment. Health fel., Purdue, 59-60, M.S., 62, Ph.D.(clin. psychol.), 63. Vet. Admin. trainee clin. psychol., Purdue & Vet. Admin. Hosp., Marian, Ind., 60-63; clin. psychiatrist, Vet. Admin. Hosp., 63-64; coord. hosp. improv. proj., Modesto State Hosp., Calif., 64-65; counsr. & assoc. dean, CALIF. STATE COL. SAN BERNARDINO, 65-66, **ASSOC. PROF. PSYCHOL. & DEAN STUDENTS**, 66. Instr., exten. center, Purdue, 62. U.S.A. 53-56, Sgt. Student personnel in higher education; clinical psychology. Publ.: Note on the estimation of the WAIS full scale IQ, *J. Clin. Psychol.*, 66. Address: Dept. of Psychology, California State College, 5500 State College Pkwy., San Bernardino, Calif. 92407.
- MONSMA, DR. GEORGE NORMAN, JR.**, b. Washington, D.C., Oct. 6, 41. **ECONOMICS**. A.B., Calvin Col., 63; Kidder-Peabody & Co. fel., Princeton, 63-64, Earhart Found. fel., 64-65, M.A., 65; Ph.D.(econ.), 69. Instr., ECON, Princeton, 66-67; **ASST. PROF.**, Amherst Col., 67-69; **CALVIN COL.**, 69. **Econ. Assn.** Health and labor economics; poverty; public finance. Publ.: Marginal revenue and the demand for physician's services, *Int. Empirical studies in health economics*, Johns Hopkins, 70; Vested interests survive another round, *Reformed J.*, 4/70. Address: Dept. of Economics, Calvin College, Grand Rapids, Mich. 49506.
- MONTAGNA, DR. PAUL D.**, b. Springfield, Mass., Aug. 14, 36; m. 62; c. 2. **SOCIOLOGY**. B.S., Am. Int. Col., 58; M.B.A., Syracuse, 60; Nat. Sci. Found. grant, N.Y. Univ., 65, Ph.D.(sociol.), 67. Off. mgr. inspection div., Port of New York Authority, 60-62; instr. social, BROOKLYN COL., 66-68, **ASST. PROF. SOCIOLOGY & DEPUTY CHMN. SCH. GEN. STUDIES**, 68. **Social. Assn.**; **Soc. Study Social Probs.** Economic sociology; the sociology of organizations; study of work and occupations. Publ.: Professionalization and bureaucratization, *Am. J. Sociol.*, 9/68. Address: Dept. of Sociology, Brooklyn College, Brooklyn, N.Y. 11210.
- MONTAGUE, PROF. JOHN TAIT**. **Labor Economics**. See L-Z Vol. 11th ed. **Soc. & Behav. Vols.** New position & address: Prof., 69. Dept. of Economics, York University, Toronto, Ont., Can.
- MONTAVON, DR. PAUL A.(LOYSIUS)**. **Economics**. See L-Z Vol. 11th ed. **Soc. & Behav. Vols.** New position: Econ. adv., 69. U.S. Agency for International Development, ROCAF/Guatemala, APO New York 09891.
- MONTGOMERY, BETTY BROYLES**. **Child Psychology**. See L-Z Vol. 11th ed. **Soc. & Behav. Vols.** New position & address: Adj. asst. prof. & head start regional training officer, 69. University of Cincinnati, Room 408D T.C., Cincinnati, Ohio 45221.
- MONTGOMERY, LT. CMDR. CLARENCE WILFRED, R.C.N.**, b. Stratford, Ont. 12, 20; m. 42; c. 6. **MATHEMATICS**. B.A., Queen's (Ont.), 49; M.A., British Columbia, 64. **ROYAL CAN. NAVY**, 49. resident staff officer, cadet training, Univ. British Columbia, 61-63, **ASSOC. PROF. MATH.**, ROYAL ROADS MIL. COL., 63- R.C.A.F., 41-45. **Math. Assn. Am.** Applicability of new mathematics in teaching both elementary and secondary; use of overhead projection in classroom. Address: Dept. of Mathematics, Royal Roads Military College, Victoria, B.C., Can.
- MONTGOMERY, DR. JAMES B.**, b. Toledo, Ohio, Nov. 25, 36; m. 65. **AC-COUNTING**. B.S., Miami (Ohio), 58; univ. fel., Florida, 61-62, M.B.A., 62, Earhart Found. fel., 62-63, Ph.D.(econ.), 65. Invoice auditor, Chevrolet Div., Gen. Motors Corp., 57; jr. auditor, Ernst & Ernst, 59; from jr. mem. to sr. mem., auditor staff, Arthur Anderson & Co., Ill., 58-60; teaching asst., Florida, 60-61, interim instr., 62-64; asst. prof., ACCT., FLORIDA ATLANTIC, 64-67, **ASSOC. PROF. & CHMN. DEPT.**, 67. Consult., Palm Beach Resources Develop. Bd., 66; Center Adv. Admin. Res., 67; Certified Pub. Accts. Rev. Courses, 67-69; Eastern Airline, 68. Instr. Cert. Pub. Acct. Acct. Assn. Publ.: The unique economy of Sarasota, Florida, *Econ. Leaflets*, 11/64; Cost accounting and the CPA examination, *Fla. Cert. Pub. Acct.*, 6/70. Address: Dept. of Accounting, College of Business Administration, Florida Atlantic University, Boca Raton, Fla. 33432.
- MONTGOMERY, PROF. JAMES E(LMER)**. **Sociology**. See L-Z Vol. 11th ed. **Soc. & Behav. Vols.** New information: Also head, 68. Dept. Management, Housing & Family Development, College of Home Economics, Virginia Polytechnic Institute, Blacksburg, Va. 24061.
- MONTGOMERY, DR. JOHN D(ICKKEY)**. **Political Science**. See L-Z Vol. 11th ed. **Soc. & Behav. Vols.** Change of address: 36 Hyde Ave., Newton, Mass. 02158.
- MONTGOMERY, PROF. JOHN WARWICK**. **Theology**, Philosophy of History. See 5th ed. **Dir. Am. Scholars**, Vol. IV, Philos. Relig. & Law.
- MONTGOMERY, DR. LOLA JUNE**, b. Larkinsburg, Kans. June 16, 17. **COUNSELING & GUIDANCE**, **SOCIOLOGY**. B.S., Kansas, 41; Summer, Chicago, 43; M.A., Colo. State Col., 43; Ed.D.(student personnel admin), Colorado, 58. Teacher, rural sch., Kans., 35-37; instr., high sch., 41-43; **soc. & biol. sci.**, Pueblo Jr. Col., Colo., 44-45; dean of women, Mayville State Col., 45-46; counsr., Phillips, 48, dir. student personnel, 51-63; **ASSOC. PROF. PSYCHOL. COUNSELING & GUID.**, COLO. STATE COL., 63. **Psychol. Assn.** Personnel & Guid. Assn. Action-research in psychological counseling and curricular developments in education. Publ.: The challenge of the integrative quest, *Relig. Ed.*, 3-4/65; The affective development of college students: a case study of students of one university, *Colo. J. Ed. Res.*, summer 69. Address: Dept. of Psychology, Counseling & Guidance, Colorado State College, Greeley, Colo. 80631.
- MONTICONE, PROF. RONALD CHARLES**. **Political Science**. See L-Z Vol. 11th ed. **Soc. & Behav. Vols.** New position: Assoc. prof., 69. Dept. of Government, Queensborough Community College, Springfield Blvd., Bayside, N.Y. 11364.
- MOONAN, DR. WILLIAM J(EANE)**. **Statistics**. See L-Z Vol. 11th ed. **Soc. & Behav. Vols.** New position & address: V-pres. prog. develop., 69. National Computer Systems, 4401 W. 76th St., Edina, Minn. 55435.
- MOONEY, DR. H(ORACE) WILLIAM**. **Sociology**. See L-Z Vol. 11th ed. **Soc. & Behav. Vols.** New information: Independent consult., 69. Address: 1537 Bonita Ave., Berkeley, Calif. 94709.
- MOOR, DR. WILLIAM C(HATTLE)**. **Industrial Engineering**, Organization Theory. See Suppl. VI to 11th ed. **Phys. & Biol. Vols.**
- MOORE, PROF. CHARLES THOMAS**. **Business Administration**, Economics. See L-Z Vol. 11th ed. **Soc. & Behav. Vols.** New information: Also asst. v-pres. acad. affairs & progs., 69. University of Alabama, P.O. Box 6291, University, Ala. 35486.
- MOORE, DR. DAVID SHELDON**. **Mathematics**, Statistics. See Suppl. VI to 11th ed. **Phys. & Biol. Vols.**
- MOORE, PROF. DONALD A.** **Economics**. See L-Z Vol. 11th ed. **Soc. & Behav. Vols.** New information: Also chmn., Dept. of Economics, California State College at Los Angeles, 5151 State College Dr., Los Angeles, Calif. 90032.
- MOORE, DR. F. STANLEY**. **Geography**. See L-Z Vol. 11th ed. **Soc. & Behav. Vols.** New position & address: Assoc. prof., 69. Dept. of Geography, Western Washington State College, Bellingham, Wash. 98225.
- MOORE, DR. FRANK J.**, b. Frankfurt, Germany, Mar. 3, 22; U.S. citizen: m. 66; c. 2. **EDUCATION**, **ECONOMICS**. B.S., California, Davis, 43; A.B., California, Berkeley, 44, Ph.D.(E.Asian Studies), 55; M.A., Hopkins, 50. Assoc. dir., Thailand proj., Cornell, 55-56; Ford Found. for area res. fel. rural develop., Nepal, 56-57; land tenure adv. Agency Int. Develop., Tehran, 58-60; prog. specialist develop. planning, Ford Found., Lagos, 60-66; asst. rep., Bangkok, 66-68; **LECTR. DEVELOP. ED.**, STANFORD, 68. Consult., World Bank Mission Algeria, 66; guest lectr., conf. Venezuelan ed. in year 2000, Creole Found., 69. U.S.A. Res. 1st lt. Int. Asn. Agr. Econ. Comp. Ed. Soc.; Asn. Asian Studies; African Studies Assn. Process of rural modernization, particularly the role of education in the process of rural to urban transformation; subculture of the rural teacher in developing countries. Publ.: Co-auth., Politics of land tenure legislation in Uttar Pradesh, *S. Asia Studies*, Univ. Calif., 55, Thailand, Human Rel. Area Files, 66 & Prospects and policies for development of the eastern region of Nigeria, *Nigerian Govt. Enugu*, 60. Address: 5872 Arboretum Dr., Los Altos, Calif. 94022.
- MOORE, DR. G. ALEXANDER, JR.** **Anthropology**, Ethnology. See L-Z Vol. 11th ed. **Soc. & Behav. Vols.** New position & address: Assoc. prof., 69. Dept. of Anthropology, College of Arts & Sciences, University of Florida, Gainesville, Fla. 32601.
- MOORE, DR. GEOFFREY H.** **Economics**. See L-Z Vol. 11th ed. **Soc. & Behav. Vols.** New position: Cmnr. labor statist., U.S. Bur. Labor Statist., 69. Address: 2700 Virginia Ave. N.W., Washington, D.C. 20037.

- MOORE, H(AROLD) J(AMES). Economics, Finance. See L-Z Vol, 11th ed, Soc. & Behav. Vols. New position: Dir. econ. planning & develop, Dow Chemical Co, 69- Address: 600 Chatham Dr, Midland, Mich. 48640.
- MOORE, HARRIETT. Psychology. See L-Z Vol, 11th ed, Soc. & Behav. Vols. New information: Independent consult, 69- Address: 11 Lupine Lane, Chesterton, Ind. 46304.
- MOORE, PROF. HARVEY C(LEAVER). Anthropology. See L-Z Vol, 11th ed, Soc. & Behav. Vols. New information: Also assoc. dean grad. prog., 70-, College of Arts & Sciences, American University, Washington, D.C. 20016.
- MOORE, PROF. H(OMER) K(ENTON). Psychology. See L-Z Vol, 11th ed, Soc. & Behav. Vols. New information: Also head dept. of psychol, Ark. Agr. & Mech. Coll, 68- Address: Box 553, College Heights, Ark. 71655.
- MOORE, DR. JAMES C, b. Montrose, Colo, July 3, 35; m. 57; c. 2. EDUCATIONAL PSYCHOLOGY. B.A., Arizona State, 59, M.A., 61, Ph.D.(ed. psychol), 66. Univ. psychometrist, Arizona State, 62-64; ASSOC. PROF. ED. FOUNDS. & DIR. TESTING DIV, NEW MEXICO, 66- Vis. staff mem, Los Alamos Sci. Lab, 68- Consult. res. & develop. orgns, 64- U.S.A., 55-57. Psychol. Asn; Ed. Res. Asn; Nat. Coun. Measurement in Ed. The application of psychological principles to classroom instruction and curriculum development. Publ. Co-auth, A self-instructional technique to develop a test-taking strategy, Am. Ed. Res. J, 66; auth, Manipulating the effectiveness of a self-instructional program, J. Ed. Psychol, 68; Cueing for selective note-taking, J. Exp. Ed, 68 Address: Testing Division, University, of New Mexico, Albuquerque, N.Mex. 87106.
- MOORE, DR. JAMES E, b. Brazil, Ind, Mar. 24, 34; m. 66; c. 1. DEVELOPMENTAL PSYCHOLOGY. B.S., Illinois, 59, M.A., 62; Ph.D.(child develop), Purdue, 65. Instr. family rels, Illinois, 60-62; lectr, child develop, summer 66; asst. prof. child develop, Syracuse, 64-66; lectr. family rels, Minnesota, summer 67; ASST. PROF. CHILD DEVELOP, PURDUE, 67- Nat. Inst. Mental Health, Family Studies Center, Univ. Minnesota, 66-67. U.S.A.F., 54-56. Soc. Res. Child Develop; Nat. Coun. Family Relis. Developmental changes in marriage behavior; human sexual behavior. Publ. Probatic sexual behavior in family life, The individual, sex, and society, Johns Hopkins, 68. Address: Dept. of Family Life, Purdue University, Lafayette, Ind. 47907.
- MOORE, DR. JAMES MAXWELL. Modern European & Latin American History. See 5th ed, Dir. Am. Scholars, Vol. I, Hist.
- MOORE, PROF. JOHN NORTON. Law, International Relations. See 5th ed, Dir. Am. Scholars, Vol. IV, Philos, Relig. & Law.
- MOORE, PROF. JOSEPH (R)N(EST). Applied Psychology. See L-Z Vol, 11th ed, Soc. & Behav. Vols. New information: Consult. psychologist, Consult. Psychologists, Inc, 65- Address: 4406 Jet Rd, N.W., Atlanta, Ga. 30327.
- MOORE, DR. MARY E(LIZABETH). Experimental & Social Psychology. See L-Z Vol, 11th ed, Soc. & Behav. Vols. New position: Fel. rheumatology, dept. med, Temple Univ. Hosp, 70-71. Address: 1605 W. Allegheny Ave, Philadelphia, Pa. 19132.
- MOORE, PROF. OMAR KHAYYAM. Social Psychology. See L-Z Vol, 11th ed, Soc. & Behav. Vols. Change of address: Clarifying Environments Lab, Social Sciences Bldg, Room G1, University of Pittsburgh, Pittsburgh, Pa. 15213.
- MOORE, DR. RAYMOND S. Educational Psychology. See L-Z Vol, 11th ed, Soc. & Behav. Vols. New information: Exec. v. pres, Cedar Springs Found, 69-; exec. cmt, Hewitt Res. Center, Andrews Univ, 70- Address: Tudor Rd, in Chapin Lane, Berrien Springs, Mich. 49104.
- MOORE, PROF. RICHTER H, JR. Political Science. See L-Z Vol, 11th ed, Soc. & Behav. Vols. New position & address: Res. dir, 69-. Committee on the Office of Attorney General, National Association of Attorneys General, 320 W. Jones St, Raleigh, N.C. 27603.
- MOORE, PROF. SHIRLEY GRACE, b. Chicago, Ill, May 12, 22. CHILD PSYCHOLOGY, EDUCATION. B.A. Chicago, 46; M.S. Iowa, 53; Ph.D.(child psychol), 60. Instr. & head teacher child psychol, Iowa, 53-57, prin. lab. nursery sch, 57-60; asst. prof. child psychol, MINNESOTA, MINNEAPOLIS, 60-62, assoc. prof, 62-65, PROF. CHILD PSYCHOL. & DIR. GRAD. TRAINING PROG. BEHAV. & DEVELOP. PRESCHOOL CHILDREN, INST. CHILD DEVELOP, 65- Field reader, bur. res. off, U.S. Dept. Health, Ed. & Welfare, 66- Construct. prog. adv. serv. ed. & training, Am. Psychol. Asn, 67- Mem. study cmt, Proj. Head Start, div. eval. & res, U.S. Off. Econ. Opportunity, 66-67, mem. rev. panel, 68- Psychol. Asn; Soc. Res. Child Develop; World Orgn. Early Childhood Ed. Research in socialization of young children; peer acceptance in nursery school; effect of contrasting teaching styles in the nursery school. Publ. Displaced aggression in young children, J. Abnormal & Soc. Psychol, 64; Correlates of peer acceptance in nursery school children, In: The young child, Nat. Asn. Ed. Young Children, 67; The effects of explicitness of instructions on the generalization of a prohibition in young children, Child Develop, 69. Address: Institute of Child Development, University of Minnesota, Minneapolis, Minn. 55455.
- MOORHOUSE, PROF. WILLIAM (FORBES). Counseling, Psychology. See L-Z Vol, 11th ed, Soc. & Behav. Vols. New position & address: Counselor & educator, Oakland University, P.O. Box 710, Rochester, Mich. 48063.
- MORAN, PROF. LOUIS (JOSEPH). Psychology. See L-Z Vol, 11th ed, Soc. & Behav. Vols. New position & address: Prof. 69-. Dept. of Psychology, University of British Columbia, Vancouver 8, B.C., Can.
- MORAN, DR. MAURICE J, b. Slayton, Minn, Feb. 9, 21. CLINICAL PSYCHOLOGY. B.A., Col. St. Thomas, 47; M.A. Catholic Univ, 49, Ph.D.(psychol), 54. Asst. prof. clin. psychol, St. Louis, 53-56; asst. chief psychol-
- gist, State Hosp. No. 1, Fulton, Mo, 56-59; chief psychologist, State Hosp., Willmar, Minn. 58-60; State Hosp., Fergus Falls, 60-61; psychologist, private practice, St. Paul, 61-63; chief psychologist, Minn. Reception & Diag. Center, Circle Pines, 63-69; PSYCHOLOGIST, VET. ADMN. HOSP. ST. CLOUD, 69- Asst. prof, Missouri-Columbia, 56-58. Consult. Men's Refor-matory, St. Cloud, 69- U.S.N.A.F., 42-46, Lt.(jg). Psychotherapy; group therapy; teaching; individual assessment. Address: Dept. of Psychology, Veterans Administration Hospital, St. Cloud, Minn. 56301.
- MORAVEC, ADOLPH F. Computer Sciences, Economics. See L-Z Vol, 11th ed, Soc. & Behav. Vols. New position & address: V-pres, 69-, World Research Corp, 36 S. State St, 16th Floor, Chicago, Ill. 60603.
- MORAWETZ, JOHN H. Economics, Statistics. See L-Z Vol, 11th ed, Soc. & Behav. Vols. Change of address: 15 Bellingham Lane, Great Neck, N.Y. 11023.
- MORDOCK, DR. JOHN B, JR, b. Cumberland, Md, Aug. 2, 38; m. 63; c. 1. PSYCHOLOGY. B.S., Springfield Coll, 60; M.A., Illinois, 61; Nat. Sci. Found. summer fel, Hawaii, 64, Ph.D.(psychol), 67. Lectr. col. gen. studies, Hawaii, 63-65; Nat. Inst. Ment. Health fel, Devereux Found, 66-67; coordinator res, Devereux Found, Inst. for Res. & Training, 67-69; SR. PSYCHOLOGIST, ASTOR HOME FOR CHILDREN & ASTOR CHILD GUID. CENTERS, 69- Lectr, Pa. State, 67-69. Proj. consult, Rehab. Serv. Admin, grant, Devereux Found, 68- Psychol. Asn; Soc. Res. Child Develop; Asn. Ment. Deficiency, Conn. Except. Children. Cerebral dysfunction in children; learning in mental retardation; childhood psychopathology and behavior disorder; program evaluation in special education; effects of mental health intervention. Publ. Paired-associate learning in mental retardation; an index of neurological soft-signs in children with minimal cerebral dysfunction, Proc. Am. Psychol. Asn. Convention, 8/68 & Evaluation: a requisite for administrative acceptance of school consultation, Prinf. Psychol, 5/70. Address: Dept. of Psychology, Astor Home for Children, Rhinebeck, N.Y. 12572.
- MOREAU, GEORGE H, O.M.I., b. Salem, Mass, Jan. 12, 25. GUIDANCE. A.B. Oblate Coll (D.C.), 51; M.A., Niagara, 55; Ph.D.(psychol), Ottawa, 62. Dir. guid, Bishop Fallon High Sch, 51-65; consult. guid. serv, Nat. Cath. Ed. Asn, 65-68; COORDINATOR PUPIL PERSONNEL SERV, BISHOP NEUMANN HIGH SCH, 68- Consult. career info, Peace Corps, 65- Pres, Nat. Cath. Guid. Conf, 62-64. Personnel & Guid. Asn. Publ. Co-auth, Guidance awareness in elementary education, 67 & Guidance and other personnel services in the Catholic secondary school, 68, Nat. Cath. Ed. Asn. Address: Bishop Neumann High School, Park Club Lane, Williamsville, N.Y. 14221.
- MOREHOUSE, WARD, b. Evanston, Ill, Mar. 26, 29; m. c. 2. POLITICAL SCIENCE. A.B., Yale, 50; A.M., Asia Inst, 53; N.Y. Univ, 53-59; Taraknath Das Found. fel, East, 58; UNESCO fel, S. & Southeast Asia, 62-63. Exec. secy, Int. Conf. Asian Probs, 52-54; Conf. Asian Affairs, 54-57; ed. dir, Asia Soc, N.Y. 57-62; DIR, CENTER INT. PROGS. & SERV, STATE ED. DEPT, STATE UNIV, N.Y., ALBANY, 63- Instr. N.Y. Univ, 56-57; resident dir, Ed. Resources Center, New Delhi, 66-67; sr. specialist, East-West Center, Univ. Hawaii, 67. Mem. bd. acad. consult, Pac. & Asian Affairs Coun, 67-; exec. cmt, Nat. Coun. Coop. Int. Studies, 68- AAAS: Oriental Soc; Polit. Sci. Asn; Asn. Asian Studies (contrib. ed, Newsletter, 58-64); Int. Studies Asn. (2nd v-pres, 64-65); Int. Union Orientalists: Mid. East Inst; Soc. Int. Develop. Soc. Hist. Tech; Indian Sci. Cong. Asn. Science and public policy in developing countries; government and politics in India; comparative and international studies in American universities. Publ. Co-ed, American institutions and organizations interested in Asia: a reference directory, Taplinger, 57, 2nd ed, 61 & India votes: a source book on elections, Popular Prakashan & Humanities, Bombay & New York, 68. Address: 1 Lincoln Rd, Croton-on-Hudson, N.Y. 10520.
- MORELAND, PROF. LOIS B(ALDWIN). Government, Constitutional Law. See L-Z Vol, 11th ed, Soc. & Behav. Vols. New information: Ph.D.(govt), American Univ, 68. Address: Dept. of Political Science, Spelman College, Atlanta, Ga. 30314.
- MORELL, DEAN R. W. Management, Behavioral Science. See L-Z Vol, 11th ed, Soc. & Behav. Vols. New position & address: Dean, 69-. School of Business, Marshall University, Huntington, W. Va. 25701.
- MOREY, DR. JAMES L(SLE). Experimental Psychology, Operations Research. See L-Z Vol, 11th ed, Soc. & Behav. Vols. New position: Co-dir, Cambridge Inst, 69- Address: 3 Webster Rd, Lexington, Mass. 02173.
- MORGAN, DR. BEN BUTLER, JR, b. Cuthbert, Ga, Jan. 16, 41; m. 63; c. 2. EXPERIMENTAL PSYCHOLOGY. B.Sc., Ga. Inst. Tech, 64; M.A., Louisville, 65, Ph.D.(exp. psychol), 68. Res. asst. PSYCHOL, Human Factors Res. Lab., Lockheed-Ga. Co, summer & fall 62 & 63; LOUISVILLE, 64-68, ASST. RES. PROF, 68- Instr. Univ. Louisville, 67-68. Psychomet. Soc. Assessment and enhancement of human performance; effect of practice on human problem solving; effects of stress on performance. Publ. Co-auth, Effects of discriminability and irrelevant information on absolute judgments, Perception & Psychophys, 2: 54-58; Effects of practice and work load on the performance of a code transformation task (COTRAN), NASA Contractor Report, 68 & Two studies of the behavioral effects of phlebotomy fever in man, Univ. Louisville PRL Report 69. Address: Performance Research Lab, University of Louisville, Louisville, Ky. 40208.
- MORGAN, DR. DAVID. General Science. See Suppl. VI to 11th ed, Phys. & Biol. Vols.
- MORGAN, EVERETT J, S.J. Philosophy. See 5th ed, Dir. Am. Scholars, Vol. IV, Philos, Relig. & Law.
- MORGAN, DR. JACK COLLINS. Economics, Education. See L-Z Vol, 11th ed, Soc. & Behav. Vols. New position & address: Assoc. prof, ed, 69-, School of Education, Secondary Unit, University of Louisville, Louisville, Ky. 40208.

- MORGAN, DR. MORRIS J(ONATHAN). Religion, Philosophy. See 5th ed, Dir. Am. Scholars, Vol. IV, Philos, Relig. & Law.
- MORGAN, DR. RICHARD ERNEST, b. Centre Co, Pa, May 17, 37; m. 59. GOVERNMENT, CONSTITUTIONAL LAW. A.B., Bowdoin Col, 59; Woodrow Wilson Tel. & M.A., Columbia, 61, U.S. Steel Tel. & Ph.D.(govt), 67. Instr. GOVT, Columbia, 65-67, asst. prof, 67-69; ASSOC. PROF., BOWDOIN COL, 69. Harvard Law Sch, fel. law & govt, 68-69. U.S.A., 63-65, 1st Lt. Polit. Sci. Asm; Acad. Polit. Sci.; Law & Society Asm. American constitutional law and politics; law and society. Publ: The politics of religious conflict, Pegasus, 68; The Portal-to-Portal case, In: The third branch of government, Harcourt, 63. Address: West Harpswell, Maine 04079.
- MORGAN, DR. ROBERT FARRER, b. Buffalo, N.Y., Jan. 24, 41; m. 63; c. 4. EXPERIMENTAL & CLINICAL PSYCHOLOGY. B.A., Mich. State, 62, Nat. Inst. Ment. Health fel, 63-65, M.A., 64, Ph.D.(psychol), 65. Res. assoc. psychol, Mich. State, 60-63, psychologist & prog. dir, young adult prog, Hawaii, State Hosp, 65-67; ASSOC. PROF. PSYCHOL, St. Bonaventure, 67-69; ACADIA, 69. Lectr, Howard Univ, 67. Chief psychologist, New York Div. for Youth, Great Valley Youth Opportunity Camp, 67-69; superv. psychologist, Cattaraugus County Ment. Health Clin, 68-69. Assoc. on-site evaluator, Desegregation Insts., U.S. Off. Ed. grant, 65; field assessment officer, Peace Corp, Hawaii, 66; field reader, res. bur. U.S. Off. Ed., 66-69; assoc. dir. eval. Inst. Serv. Ed. Wash, D.C., 67. Chief eval. consultant, Chicago Literacy Prog, South. Christian Leadership Conf, 66; prog. consultant, Yeshiva Univ-South. Christian Leadership Conf, Activism & Soc. Scientists, 66; consult, Div. Ment. Health & Crippled Children, State of Hawaii, 67; Volt gen. consult. Off. Econ. Opportunity & U.S. Off. Ed. progs, 67-69. Mem. Human Rels. Cmn, East Lansing, Mich, 63-64; mem. exec. bd. dir. Cawaraugus County Ment. Health Sch, 68-69; mem. cmt. children & youth, Int. Coun. Psychol, 68-69. U.S.A.P., 62-63, Asm. Intern. Soc. Psychol; Int. Coun. Psychol; Acad. Polit. & Soc. Sci. Compensatory education; human relations; educational deprivation; sensory deprivation hallucinations; temporal psychology; aging; shock treatment effects; sibling bondage; programs in early childhood and adolescence; semantics; comparative behavior and physiology; learning; psychometrics; fiction; experimental clinical focus on educational research and administration in psychology. Publ: Compensatory education and educational growth. In: Racial crisis in American education, Follett, 68; The adult growth examination: preliminary comparisons of physical aging in adults by sex and race, Perceptual & Motor Skills, 8/68; Learning by teaching: a student-to-student compensatory tutoring program and the educational cooperative, Psychol. Record, 70. Address: P.O. Box 1, Wolfville, N.S., Can.
- MORGAN, WILLIAM E(EDGEWORTH). Agricultural Economics. See L-Z Vol, 11th ed, Soc. & Behav. Vols. New information: Emer. prof, Colorado State 69. Address: 4001 E. Horsetooth Rd, Ft. Collins, Colo. 80521.
- MORGENROTH, DR. WILLIAM M(ASON). Management Science, Economics. See L-Z Vol, 11th ed, Soc. & Behav. Vols. Change of address: 2847 Kirkwood, West Columbia, S.C. 29169.
- MORGENSTERN, DR. ALAN LAWRENCE, b. Brooklyn, N.Y., Dec. 21, 33; m. 60; c. 2. PSYCHIATRY. B.S., Cornell, 59. Intern., rand. center, Colorado, 60-63; instr. PSYCHIAT, MED. SCH., OREGON, 65-66; asst. prof, 66-69, ASSOC. PROF., 69. Consult, Dammasch State Hosp, Wilsonville, Ore, 66-69; div. soc. welfare, California, Berkeley, 67; Job Corps Health Off., Off. Econ. Opportunity, 68. U.S.A.F., 63-65, Capt. Psychiat. Asm; Asm. Am. Med. Col. Teaching of psychiatry: sleep disorders; psychiatric care of disadvantaged adolescents. Publ: The neurotic component of narcolepsy, 65 & A criticism of psychiatry's board examinations, (in press), Am. J. Psychiat; Phobic reactions to flying, Int. Psychiat. Clinis, 66. Address: University of Oregon Medical Center, Portland Ore. 97201.
- MORGRET, DR. MORRIS K, b. Lima, Ohio, June 29, 38; m. 61; c. 1. PSYCHOLOGY. A.B., Ohio Northern, 60, B.S., 61; M.A., Ohio, 65, Ph.D.(psychol), 68. ASST. PROF. PSYCHOL., WASHINGTON STATE, 68. Publ: Co-auth., Suppression of a learned response by punishment when an alternative learned response is provided, Psychonomic Sci, 65; auth., Fear suppression in avoidance learning, Psi Chi Newsletter, spring 68. Address: Dept. of Psychology, Washington State University, Pullman, Wash. 99163.
- MORIARTY, DR. DAVID M, b. Milford, Mass., May 12, 24; m. 50; c. 4. PSYCHIATRY. Boston Col, 41-43; Brown, 43; M.D., Boston, 47. Dir. psychiat, Worcester State Hosp, 59-67; PROF. PSYCHOL, MASSACHUSETTS, BOSTON, 69. Affiliate prof, Clark, 54-69; asst. prof, med. sch. Tufts, 59-67; lectr, med. sch., Boston, 64-67. Consult, Worcester Youth Guidance, 54-67; Clark Univ, 54-69. U.S.N.R., 50-52, Lt.(sgt). AAAS; Psychoanal. Asm; Psychiat. Asm. Schizophrenia; organic brain disease. Publ: Psychic energy, 64 & Loss of loved ones, 67, Thomas; co-auth., Ganser Syndrome, Comp. Psychol, 66. Address: Dept. of Psychology, University of Massachusetts, Boston, Mass. 02113.
- MORK, PROF. GORDON M(ATTHEW) A(LFRED). Educational Psychology. See L-Z Vol, 11th ed, Soc. & Behav. Vols. New position: Prof. higher & teacher ed, col. ed, Minnesota, Minneapolis, 68. Address: 6 Westwood Rd, Minnetonka, Minn. 55343.
- MORLAN, DR. GEORGE K(OLMER). Psychology. See L-Z Vol, 11th ed, Soc. & Behav. Vols. New publ: Guidance for young leaders, A.S. Barnes, 69. Address: 4611 N.W. 45th St., Ft. Lauderdale, Fla. 33313.
- MORLEY, PROF. BURTON R(AYMOND). Economics. See L-Z Vol, 11th ed, Soc. & Behav. Vols. New information: Retired, 68. Address: 8 Hickory Hill, Tuscaloosa, Ala. 35401.
- MORONEY, DR. JOHN RODGERS, JR. Economics. See L-Z Vol, 11th ed, Soc. & Behav. Vols. New position & address: Prof. chmn, 69., Dept. of Economics, Tulane University, New Orleans, La. 70118.
- MORRA, DR. MICHAEL ANTHONY. Psychology. See L-Z Vol, 11th ed, Soc. & Behav. Vols. New position & address: Psychologist, 69., 3101 E. Ninth St, Wichita, Kans. 67208.
- MORRILL, DR. WARREN THOMAS. Anthropology. See L-Z Vol, 11th ed, Soc. & Behav. Vols. New position & address: Chmn, 70., Dept. of Anthropology, Pennsylvania State University, Walnut Bldg, State College, Pa. 16802.
- MORRILL, DR. WESTON H. Counseling. See L-Z Vol, 11th ed, Soc. & Behav. Vols. New information: Also dir. student development, 69., Counseling Center, Colorado State University, Ft. Collins, Colo. 80521.
- MORRIS, PROF. ALBERT. Sociology. See L-Z Vol, 11th ed, Soc. & Behav. Vols. New information: Emer. prof, Boston, 66. Address: 176 Hillcrest Rd, Needham, Mass. 02129.
- MORRIS, PROF. CLARENCE. Law. See 5th ed, Dir. Am. Scholars, Vol. IV, Philos, Relig. & Law.
- MORRIS, PROF. CYNTHIA TAFT. Economics. See L-Z Vol, 11th ed, Soc. & Behav. Vols. New position: Prof. econ. Am. Univ, 69. Address: 3030 Arizona Ave. N.W., Washington, D.C. 20016.
- MORRIS, DR. FRANK E(UGENE). Economics. See L-Z Vol, 11th ed, Soc. & Behav. Vols. New position: Pres. Fed. Res. Bank of Boston, 68. Address: Walpole St, Dover, Mass. 02030.
- MORRIS, DR. GEORGE P, b. Toledo, Ohio, Sept. 17, 38; m. 57; c. 2. MARKETING. B.B.A., Toledo, 64, M.B.A., 65; Ph.D.(mkt. finance), Texas, Austin, 69. ASST. PROF. MKT, SOUTHERN CALIFORNIA, 69. Asst. prof, Texas, Austin, summer 70, Mkt. Asm. Finance Asst. Address: Dept. of Marketing, Graduate School of Business, University of Southern California, Los Angeles, Calif. 90007.
- MORRIS, PROF. HERBERT. Philosophy. See 5th ed, Dir. Am. Scholars, Vol. IV, Philos, Relig. & Law.
- MORRIS, PROF. JOHN B(AIRD). Psychology. See L-Z Vol, 11th ed, Soc. & Behav. Vols. New information: Also chmn, 69., Dept. of Psychology, University of Mississippi, University, Miss. 38677.
- MORRIS, PROF. NORVAL. Law, Criminology. See 5th ed, Dir. Am. Scholars, Vol. IV, Philos, Relig. & Law.
- MORRIS, PAUL K(ENNETH). Political Science. See L-Z Vol, 11th ed, Soc. & Behav. Vols. New position: Dir. task force ed. & cultural progs, 70., U.S. Information Agency, (ICS), Washington, D.C. 20547.
- MORRIS, DR. RAYMOND N(EVILLE). Sociology, Statistics. See L-Z Vol, 11th ed, Soc. & Behav. Vols. New position & address: Assoc. prof, 68., Dept. of Sociology, York University, Downsview 463, Ont., Can.
- MORRIS, DR. RUTH R. Sociology, Social Work. See L-Z Vol, 11th ed, Soc. & Behav. Vols. New position & address: Asst. prof, 68., Dept. of Sociology, York University, Downsview 463, Ont., Can.
- MORRISON, DR. BRUCE J. Experimental Psychology. See Suppl. VI to 11th ed, Phys. & Biol. Vols.
- MORRISON, DR. DELMONT C, b. Huntington, W.Va., June 2, 32; m. 58; c. 2. CLINICAL PSYCHOLOGY. A.B., San Jose State Col, 59; M.S., Washington (Seattle), 61, Ph.D.(psychol), 63. Trainee clin. psychol, Vet. Admin. Hosp, Seattle, 60-62; fel. child clin. psychol, Reiss Davis Child Study Center, Los Angeles, 63-65; ASST. PROF. MED. PSYCHOL, DEPT. PSYCHIAT, SCH. MED. CALIFORNIA, SAN FRANCISCO, 65. COORDINATOR CLIN. PSYCHOL. TRAINING PROG, LANGLEY-PORTER INST, 69. Consult, behav. modification prog, Sonoma State Hosp. & growth & develop. prog, sch. nursing, California, 68.; Child Development Center, Marin County Sch. Dept, 69. Hosp.C, U.S.N., 51-55. Psychiat. Asn. Clinical intervention with pre-school aged developmentally deviant children. Publ: Co-auth., Mothers as behavior therapist for their own children, Behav. Res. & Ther, 65. Staff conflicts in the use of operant techniques with autistic children, Am. J. Orthopsychiat, 68 & Investigation of the convergent validity of different measures of cognitive style, J. Proj. Tech. & Personality Assessment, 69. Address: Dept. of Psychiatry, University of California School of Medicine, San Francisco Medical Center, San Francisco, Calif. 94122.
- MORRISON, PROF. EARNEST M(ERRILL). Agricultural Economics, Economics. See 11th ed, Soc. & Behav. Vols, deceased 69.
- MORRISON, PROF. FRANCES E(LIZABETH). Mathematics, Psychology. See L-Z Vol, 11th ed, Soc. & Behav. Vols. New position & address: Res. assoc, 69., Ottawa School Board Research Office, 662 Lyon St, Ottawa, Ont., Can.
- MORRISON, DR. FRED L(MONT). Political Science, Law. See L-Z Vol, 11th ed, Soc. & Behav. Vols. New position & address: Assoc. prof, 69., Law School, University of Minnesota, Minneapolis, Minn. 55455.
- MORRISON, JAMES H(ARRIS). Educational Psychology. See L-Z Vol, 11th ed, Soc. & Behav. Vols. New position: V-pres. & dir, Laurence Letter & Co, 69. Address: 9804 Hadley, Overland Park, Kans. 66212.
- MORRISON, PROF. PAUL GUERRANT). Philosophy. See 5th ed, Dir. Am. Scholars, Vol. IV, Philos, Relig. & Law.
- MORRISON, DR. ROBERT F(LOYD). Industrial Psychology. See L-Z Vol, 11th ed, Soc. & Behav. Vols. New information: Vis. prof, West Virginia University, College of Commerce, 224 Armstrong Hall, Morgantown, W.Va. 26506.

- MORRISON, DR. RODNEY J. b. Boston, Mass. May 28, 34; m. 60; c. 1. ECO-NOMICS. B.S. Boston Col. 59, M.A. 61; M.S. Wisconsin, 64, Ph.D.(econ). 65. ASST. PROF. ECON. WELLESLEY COL. 65-. Via. lectr. Wisconsin, summer 68. U.S.N. 52-55. Econ. Asn; Econ. Hist. Asn. American and European economic development; significance of immigration on a developing economy. Publ: Financial intermediaries and economic development: the Belgian case, Scandinavian Econ. Hist. Rev. 67; The Liberman reforms, the turnover tax, and negative non-neutralities, Nat. Tax J. 68; Teaching hour-loads in larger institutions revisited, Am. Econ. Rev. 68. Address: Dept. of Economics, Wellesley College, Wellesley, Mass. 02181.
- MORRIS, PROF. JAMES HENRY, b. Beaumont, Tex. Feb. 4, 21; m. 41; c. 2. PSYCHOLOGY. B.S. North Texas State, 41; Texas, 43; M.Ed. Houston, 54, Ph.D.(psychol). 60. Chemist, Shell Oil Co. 46-61; PROF. PSYCHOL. & DIR. INST. RES. & TESTING. MCNEESE STATE COL. 61-. Psychol. Asn; Personnel & Guid. Asn; Asn. Instrnl. Res. Prediction of academic achievement by use of tests and other instruments. Address: Dept. of Psychology, McNeese State College, Lake Charles, La. 70601.
- MORRISSETT, PROF. IRVING. b. Columbus, Ohio, Aug. 22, 16; m. c. 5. ECO-NOMICS. A.B. Swarthmore Col. 37; M.A. California, Berkeley, 52, Newton Booth fel. 52-53, Ph.D.(econ). 53. Private bus. 37-39 & 45-48; economist, U.S. Dept. Agr. 39-42; teaching asst. econ. California, Berkeley, 49-51, lectr. econ. & bus. admin. 51-52; asst. to dir. Found. Res. on Human Behav. 53-55; from asst. prof. to assoc. prof. ECON. Purdue, 55-67; PROF. ECON. COLORADO, 67-70; EXEC. DIR. SOC. SCI. ED. CONSORTIUM, INC. 64. Lectr. exten. div. Indiana Univ. & Earlham Col. 47-48; Carnegie fel. Michigan, 53-55; prin. investr. U.S. Off. Ed. contracts, 64-66; dir. Nat. Sci. Found. grants, 67-; dir. U.S. Off. Ed. grants, 68-; summers, dir. int. inst. Am. Friends Serv. Cmt. 50 & 53; lectr. Colorado, 59, 61 & 62. Consult. Midwest Res. Inst. 60-61; Sci. Res. Assoc's. Our Working World, 64-67; U.S. Off. Ed. 69-. Mem. planning cmt. Triple-T. Prof. 68- mem. Colo. State Adv. Cmt. Soc. Studies, 69-. Econ. Asn; Ed. Res. Asn; Nat. Coun. Soc. Studies. Economic development; social science education; regional and urban economics. Publ: Ed. Concepts and structure in the new social science curricula, Holt, 67; auth. The economic structure of American cities, Regional Sci. Asn. Papers & Proc. 58; Economic theory and resource policy, In: Conservation and the public interest, Univ. Wisconsin, 67. Address: Science Education Consortium, Inc. 970 Aurora, Boulder, Colo. 80302.
- MORROW, GLENN D. b. Madisonville, Ky. Mar. 4, 11; m. 35; c. 1. ECONOM-ICS, PUBLIC ADMINISTRATION. A.B. Murray State Col. 33; M.A. George Peabody Col. 40, Kentucky, 41-44; Chicago, 47-68. Asst. bur. bus. res. Univ. Kentucky, 41-44; mem. Am. Finance Mission to Iran, 44-45; mem. faculty, col. commerce, Univ. Kentucky, 45-49; tax specialist, U.S. Army Occup. Japan, 49-51; exec. asst. State Cmnr. Finance, Ky. 52-54; consult. govt. surv. & reorgn. cmm. Repub. Philippines, 55-56; tax admin. adv. Int. Coop. Admin. Mission to Korea, 57-58; soc. sci. analyst finance studies, Soc. Security Admin. 58-63; SUPV. ECONOMIST, KY. SHL. BUS. ADMIN., WASH. D.C. 63-. Consult. Mayor of Louisville, Ky. 53-; legis. reference serv. Library Cong. 54; Cmt. Econ. Develop. 58. Nat. Tax Asn; Econ. Asn. Taxation and government finance; fiscal and financial economics. Publ: Co-auth. State liquor monopoly or private licensing?, Ky. Legis. Coun. 42 & Taxation of manufacturing in the South, Univ. Ala. 48; auth. State constitutional limitations on local taxing authority of state legislatures, Nat. Tax J. 6/56. Address: 4848 Chevy Chase Dr, Chevy Chase, Md. 20015.
- MORROW, DR. MARY ADELL, b. June 28, 24; U.S. citizen. PSYCHOLOGY. B.A. Minnesota, 45; M.A. Wisconsin, 46; Tilles fel. Washington (St. Louis), 51, univ. fel. 53, Ph.D.(psychol). 54. Res. clin. psychologist, med. sch. Wisconsin, 48-51; asst. prof. psychol. Washington (St. Louis), 52; instr. psychol. Bowling Green State, 54-55; chief psychologist, sch. div. U.S. Govt. Pan-ama, 59-61; asst. prof. psychol. American Univ. Beirut, 61-64; assoc. prof. Wis. State, 64-67; CONSULT. PSYCHOLOGIST, ARABIAN AM. OIL CO. 67- Consult. Ref. Lebanon, 62-63. Psychol. Asn. Education and inservice training; community problems; administration and consulting. Address: 507 Grove St, Oconomowoc, Wis. 53066.
- MORROW, DR. WILLIAM LOCKHART, b. Oskaloosa, Iowa, Oct. 15, 35; m. 57; c. 1. POLITICAL SCIENCE. A.B. & B.S. Southwest Mo. State Col. 51; M.A. Iowa, 59, Ph.D.(polit. sci). 61. ASSOC. PROF. POLIT. SCI. DEPAUW, 61- Am. Polit. Sci. Asn. congressional fel. 65-66. U.S.A. 67, Capt. Polit. Sci. Asn. Congressional and executive behavior; politics of bureaucracy. Publ: Congressional committees in the governmental process, Scribners, 69. Address: Dept. of Political Science, DePauw University, Greencastle, Ind. 46135.
- MORS, DR. WALLACE P(ETER). Finance. See L-Z Vol. 11th ed, Soc. & Behav. Vols. Change of address: R.F.D. 1, Lounsbury Lane, Peterborough, N.H. 03458.
- MORSE, PROF. CHANDLER. Economics. See L-Z Vol. 11th ed, Soc. & Behav. Vols. New position: Assoc. prof., 69-. Graduate School of Business, Columbia University, 718 Uris Hall, New York, N.Y. 10027.
- MORSE, DR. DEAN WEBER. Economics. See L-Z Vol. 11th ed, Soc. & Behav. Vols. New position: Assoc. prof., 69-. Graduate School of Business, Columbia University, 718 Uris Hall, New York, N.Y. 10027.
- MORSE, JOHN WILLARD. Statistics. See L-Z Vol. 11th ed, Soc. & Behav. Vols. Change of address: U.S. Agency for International Development, Dept. of State, Washington, D.C. 20523.
- MORSE, DR. PAUL KENNETH, b. Detroit, Mich. Jan. 2, 20; m. 50; c. 3. ED-UCATION, PSYCHOLOGY. A.B. Taylor, 45; B.D. McCormick Theol. Sem. 49; Nat. Inst. Ment. Health fel. Michigan, 58-59, M.A. 59, Rackham fel. 59-60, Ph.D.(ed. psychol). 62. Pastor, United Presby. Church, 49-58; lectr. psychol. dept. Ed. Univ. Minn. 59-60, asst. prof. 62, div. of div. psychol. testing & eval. serv. 62-87; ASSOC. PROF. DENT. ED. MED. COL. GA, 67- Supvr. prog. planning, State Bur. Higher Ed, Mich. 66-87. Ed. Res. Asn;
- Nat. Coun. Measurement in Ed; Psychol. Asn. Personnel selection; reporting of test scores; evaluation of curriculum; evaluation of students. Publ: Reporting test results: percentile versus percentile ranks, J. Ed. Measure-ment, 64; The academic success of transfer students, In: Methodology in institutional research, 65 & An improving high school record: good omen for college success?, In: Research on academic input, 66, Asn. Instrnl. Res. Address: Division of Educational Research & Development, Medical College of Georgia, Augusta, Ga. 30902.
- MORSE, PROF. RICHARD M(cEE). History. See 5th ed, Dir. Am. Scholars, Vol. 1, Hist.
- MORTENSEN, DR. C. DAVID, b. Chicago, Ill. Sept. 26, 39; m. 60; c. 2. SPEECH COMMUNICATION. B.A. Bethel Col. 62; M.A. Minnesota, 64, Ph.D. (commun). 67. Chmn. speech commun. dept. Bethel Col. 64-67; asst. prof. speech commun. Washington (Seattle) Univ. 67-70; ASSOC. PROF. SPEECH COMMUN, WISCONSIN, MADISON, 70-. Speech Asn. Am; Nat. Soc. Study Commun. Communication theory; dyadic communication; persuasion. Publ: Co-auth. Foundations of communication theory, Harper, 70; auth. The influence of television on policy discussion, 10/68 & The status of small group research, 70, Quart. J. Speech. Address: Dept. of Speech, University of Wisconsin, Madison, Wis. 53706.
- MORTIMER, DR. KENNETH P. b. Wakefield, Mass. July 11, 37; m. 59; c. 1. POLITICAL SCIENCE, HIGHER EDUCATION. A.B. Pennsylvania, 60, Whar-ton fel. & M.B.A. 62; Calif. State Col. Hayward, 65; San Francisco State Col. 65-68; fel. Ph.D.(higher ed). California, Berkeley, 68. Res. educator higher ed, California, Berkeley, 68-69; ASST. PROF. HIGHER ED. & RES. ASSOC. CENTER STUDY HIGHER ED. PA. STATE, 69-. Mem. governance study team, Fresno State Col. 69; fel. center res. & develop. higher ed, California, Berkeley, 70; participant, governance proj. Minnesota. Ed. Res. Asn; Gen. Higher. & Federal gov. and governance of higher education at the institutional, state and federal levels. Publ: Co-auth. Faculty-administra-tion—joint participation in decision making, 69 & auth. Academic government at Berkeley, 70, Center Res. & Develop. Higher Ed, Univ. California, Berkeley; co-auth. Faculty participation in university governance, In: State of the university, Sage, 70. Address: Center for the Study of Higher Education, 110 Willard Bldg, Pennsylvania State University, University Park, Pa. 16802.
- MORTON, DR. J(OSEPH) E(DWARD). Economic Statistics. See L-Z Vol. 11th ed, Soc. & Behav. Vols. New publ: On manpower forecasting, 68 & On the evolution of manpower statistics, 69, Upljohn. Address: 380 Mountain Rd, Union City, N.J. 07087.
- MORTON, DR. RICHARD KNOWLES, b. Oak Park, Ill. Feb. 9, 04; m. 37; c. 2. SOCIOLOGY, RELIGION. B.S. Boston, 25, S.T.M. 31; S.T.B. Harvard, 30; Andover Newton Theol. Sem. Mass. 31-32; Clark, 39; hon. Ed.D. R.I. Col. 42, 52. Pastor Congregational Church, Rockland, Mass. 32-37; Second Congregational Church, Palmer, 37-39; church ed. 40-42, Providence, R.I. 39-42; pastor, Plymouth-Union Congregational Church, 42-46; Smith-field Ave. Congregational Church, Pawtucket, 46-53; Union Congregational Church, Jacksonville, Fla. 53-56; asst. prof. Eng. & soc. sci. Jacksonville, 56-57; assoc. prof. sociol. & relig. & dean evo. col. 57-62, prof. sociol. & relig. 62-70; Church & Social Bull. Providence, R.I. 64-67. Soc. Work citation for distinguished serv. 51; Alpha Kappa Psi distinguished serv. award, 68. Acad. Relig. Soc. Sci. Study Relig. Nat. Soc. Study Commun; Bus. Commun. Asn; Speech Asn. Am; Soc. Study Social Probs. Urban social policy; religion and the American character; intergroup action in the United States. Publ: Contrib. College and university teaching, W.C. Brown, 64. Communication-spectrum 77, Proc. Annual Conf. Nat. Soc. Study Commun, 68. Address: 2827 Holly Point Dr, Jacksonville, Fla. 32211.
- MORTON, DR. SHELDON (IVAN). Psychology. See L-Z Vol. 11th ed, Soc. & Behav. Vols. New information: Also chmn. dept. behav. sci. City Col. San Francisco, 69-. Address: 322 Glenwood Ave, Daly City, Calif. 94015.
- MORTON, PROF. WALTER A(LBERT). Economics. See L-Z Vol. 11th ed, Soc. & Behav. Vols. New position & address: Vis. prof. 69-, Dept. of Economics, Illinois State University, Schroeder Hall, Normal, Ill. 61761.
- MOSBAEK, DR. ERNEST J. Economics, Statistics. See L-Z Vol. 11th ed, Soc. & Behav. Vols. New position: V. pres. J. Cap. Fawcett Associates, Inc, Md. 69-. Address: 5310 Sangamore Rd, Washington, D.C. 20016.
- MOSEBERG, DR. LUDWIG, b. Vienna, Austria, June 2, 36; U.S. citizen. PSY-CHOLOGY. B.S. Michigan, 59; M.A. (psychol). California, Los Angeles, 67. Mem. prinl. staff psychol. Southwest Regional Lab. Ed. Res. & Develop. 67-68, group head, 68-70; ASST. PROF. COL. ED. DELAWARE, 70-. U.S.A. 62-64, 1st Lt. AAAS; Psychol. Asn. Information processing from connected discourse; information value of reinforcers in verbal learning. Publ: Co-auth. Tests of a mixed model for paired-associates learning with overlapping stimuli, J. Math. Psychol. 67 & Reading comprehension difficulty as a function of content area and linguistic complexity, J. Exp. Ed. 69; auth. Response elimination in noncorrection paired-associates learning, J. Exp. Psychol. 70. Address: College of Education, University of Delaware, Newark, Del. 19711.
- MOSHER, PROF. FREDERICK C(AMP). Political Science. See L-Z Vol. 11th ed, Soc. & Behav. Vols. New position & address: Doherty Prof. 68-, Woodrow Wilson Dept. of Government & Foreign Affairs, University of Virginia, Charlottesville, Va. 22901.
- MOSES, DR. HAROLD ALTON, b. Flippin, Ark. Dec. 20, 26; m. c. 2. COUN-SELING PSYCHOLOGY. B.S. in Educ. Southern Mo. State, 54; M.A. M.A. Michigan, 60; Ed.D.(counseling psychology), Missouri, 65. Prin. & teacher, Campground Sch. Dist. 50-52; teacher, Hazelwood Sch. Dist. 54-59, sch. counser. 60-65; asst. prof. ED. PSYCHOL. ILLINOIS, URBANA, 65-69, AS-SOC. PROF. 69-. U.S.A. 45-47. Psychol. Asn; Personnel & Guid. Asn; Nat. Rehab. Asn. Counseling process and counselor effectiveness. Publ: Co-auth. Facilitating human development through reading, 68 & co-ed. Readings in rehabilitation counseling, Vol. II, (in press), Stipes; Teaching methods

and student unrest, *Improving Col. & Univ. Teaching*, (in press). Address: Dept. of Educational Psychology, 188 Education Bldg., University of Illinois, Urbana, IL 61801.

MOSKOFF, DR. WILLIAM, b. Bronx, N.Y., Apr. 24, 40; m. 65; c. 2. ECO-NOMICS. B.A. Hunter Coll. 62; Ford Found. fells, 63-65; M.A. 65, Ph.D. (econ). 70. ASST. PROF. ECON. St. Norbert Coll. 65-70; LAKE FOREST COLL. 70. Econ. Assn. Study Soviet-Type Econ. Soviet leather footwear industry: economics of pulp and paper mill water pollution. Address: Dept. of Economics, Lake Forest College, Lake Forest, IL 60045.

MOSS, DR. ALLEN MILLER, b. Bethpage, Tenn., Aug. 31, 23; m. 50; c. 2. PSYCHOLOGY. A.B. Western Kentucky, 50, M.A. 62; Louisville Presby. Sem. 55-58; univ. fel. & Ph.D. (ed. psychol.). Alabama, 68. Teacher, Bullitt County Bd. Ed. Ky. 50-51; off. mgr. Gen. Elec. X-Ray, 51-52; price analyst, Reynolds Metals Co. 52-53; teacher, Truett College, Bd. Ed. 59-63; Wayne County Bd. Ed. 63-64; asst. prof. PSYCHOL. FLORENCE STATE, 66-68, ASSOC. PROF. 68. Minister. Methodist Church, 55. U.S.A. 45-47, Sgt. Ed-ucational, general and abnormal psychology. Address: Dept. of Psychology, Florence State University, Florence, Ala. 35630.

MOSS, PROF. JAMES A. b. Newark, N.J., Mar. 27, 20; m. 42; c. 2. SOCIO-L-OGY. B.A. Fordham & New Sch. Soc. Res. 48; M.A. Columbia, 49, Ph.D. 57. Instr. soc. sci. Puerto Rico, 49; sociol. & anthropol., Dillard, 50; res. assoc. int. pub. opinion res. N.Y., 51; lectr. soc. sci., Queen's Coll. (N.Y.), 52-57; instr. 57-58; asst. prof. Univ. N.Y., 58-64; spec. asst. to dir. behav. sci. ext. res. staff & acting chief acad. rels., bur. intel. U.S. Dept. State, 64-67; PROF. SOCIOLOGY, STATE UNIV. N.Y. BUFFALO, 67-. CHMN. SELECT. CMT. EQUAL OPPORTUNITY, 68-. ASSOC. DEAN INT. STUDIES, 69-. Of-ficer, dept. soc. affairs, UN & Crusade scholar, Salzburg Seminar, Austria, 51; instr. Orange County Community Coll., 53-58; lectr. Salzburg Seminar, Austria, 61; res. dir., South Regional Coun. 61-62; res. contract, President's Com. Civil Disob. 63; vis. prof. anthropol. & social, & consult. new prog., Vassar Coll. 69-. Participant, UN Inst. Training & Res. 67; mem. spec. study group, United Planning Orgn. Wash. D.C. 67-68; Col. Entrance Exam. Bd. 67-. U.S.A. 54. Socio. Assn. Asst. Pub. Opinion Res. fel. African Studies Assn. Public opinion: intergroup relations; housing; minorities. Publ: The role of the poor in the community, State Univ. N.Y. Collegeau, 5:68; co-auth. The Negro church and Black power, J. Human Rel., spring 69; auth. In defense of Black studies, Congressional Record, 10:69. Address: Dept. of International Studies, State University of New York at Buffalo, 3435 Main St., Buffalo, N.Y. 14214.

MOSS, DR. JOHN JOEL. Family Relations. See L-Z Vol. 11th ed. Soc. & Behav. Vols. New information: Aish chmn. 69; Dept. of Child Development & Family Relationships, Brigham Young University, 203-C SFLC, Provo, Utah 84601.

MOSS, DR. LEONARD WALLACE. Sociology. Anthropology. See L-Z Vol. 11th ed. Soc. & Behav. Vols. New position: Prof. 69-. Dept. of Anthropology, Wayne State University, Detroit, Mich. 48202.

MOSS, DR. ROGER N. b. Brooklyn, N.Y., Aug. 8, 41. PSYCHOLOGY. B.A. Brooklyn Coll. 63; M.S. N.C. State, 65; Ph.D. (psychol.), Colorado State, 69. ASST. PSYCHOL. N.C. State, 63-65; Colorado State, 66-68; instr. 65-69. ASST. PROF. SAN FERNANDO VALLEY STATE COL., 68. Summers, instr. N.C. State, 66 & 67. AAAS. Design of electrode implant technique; small group dynamics; passive avoidance conditioning; perceptual learning. Publ: Co-auth. Physiological and psychological factors of fatigue, Proc. West. Psy-chol. Assn. 68. Address: Dept. of Psychology, San Fernando Valley State College, Northridge, Calif. 91324.

MOSS, DR. STANLEY MARVIN. Psychology. See L-Z Vol. 11th ed. Soc. & Behav. Vols. New position: Assoc. prof. & asst. chmn. 69-. Dept. of Psy-chology, University of Massachusetts, Amherst, Mass. 01002.

MOSS, DR. W. WAYNE. Entomology, Systematics. See Suppl. V & VI to 11th ed. Phys. & Biol. Vols.

MOSSMAN, PROF. MEREB E. Sociology. See L-Z Vol. 11th ed. Soc. & Behav. Vols. New information: Also V. chancellor acad. affairs, 69-. Uni-versity of North Carolina, Greensboro, N.C. 27412.

MOSVICK, DR. ROGER K. Speech, Communication. See 5th ed. Dir. Am. Scholars, Vol. II, Eng. Speech & Drama.

MOTHERWELL, DR. GEORGE McCORMICK. English Language, General Linguistics. See 5th ed. Dir. Am. Scholars, Vol. III, For. Lang. Ling. & Philol.

MOTIFF, DR. JAMES PETER, b. Green Bay, Wis., Sept. 3, 43. EXPERI-MENTAL PSYCHOLOGY. B.S. St. Norbert Coll. 65; Nat. Defense Ed. Act fel. South Dakota, 65-68; M.A. 67; U.S. Pub. Health Serv. trainee & Ph.D. (psychol.), 69. ASST. PROF. PSYCHOL. HOPE COL., 69. Int. Primatol. Soc. Experimental psychology: physiological-comparative psychology; animal behavior, especially primates: form perception. Address: Dept. of Psy-chology, Hope College, Holland, Mich. 49423.

MOTLEY, DR. BRIAN, b. London, Eng. Apr. 3, 36; m. 61; c. 1. ECONOMICS. B.A. Nottingham, 57; Ph.D. (econ), California, Berkeley, 68. ASST. PROF. ECON. WISCONSIN, MADISON, 67- Sig. C. Brit. Army, 57-59. Econ. Assn. Economet. Soc. Household behavior; capital theory; education economics. Publ: Consumer investment, expectations and transitory income, West. Econ. J. 9:69; The consumer's demand for money: a neoclassical approach, J. Polit. Econ. 9:69. Address: Dept. of Economics, University of Wisconsin, Madison, Wis. 53706.

MOTT, PROF. RODNEY L. Political Science. See L-Z Vol. 11th ed. Soc. & Behav. Vols. New information: Retired, Miles Col. 70. Address: 13 Payne St., Hamilton, N.Y. 13346.

MOTZ, DR. MARVIN D. b. Alamosa, Colo., Jan. 28, 32; m. 58; c. 4. PSY-CHOLOGY. B.A. Adams State Coll. 58, Ed.M. 59; Ed.D. (psychol.), Colorado State, 69. Asst. dir. pub. rels., ADAMS STATE COL. 59-66; asst. prof. PSY-CHOL., 66-69. ASSOC. PROF. 69-. Consult. Variable Student Scheduling, 69- U.S.N. 50-54. College admissions counseling. Address: Dept. of Psychol-ogy, Adams State College, Alamosa, Colo. 81101.

MOULY, DR. RUTH WIDMAYER, b. New York, N.Y., Feb. 16, 26; m. 69. PO-LITICAL SCIENCE. Ph.D. (govt.), Harvard, 53. Instr. POLIT. SCI., Reed Coll. 52-53; Portland State Coll. 53-54; asst. prof. Oregon, 54-55; assoc. prof., Portland State, 55-63; PROF., Temple Buell Coll. 64-69; MANSFIELD STATE COL. 69-. Fulbright prof. Jodavpur & Osmania Univs., India, 58-60; res. grant, grad. sch. int. studies, Denver, 65; Am. Polit. Sci. Assn. cong. fel. 65-66. Polit. Sci. Assn. Int. Studies Assn. Soviet education, especially in the period between 1917-1937. Publ: Contrib. Soviet society: a book of readings, Houghton, 61; The law in Soviet views of the West, The Progressive, 4:67; The Soviet quest for respectability, Rocky Mt. Soc. Sci. J. 10:66. Address: Dept. of Political Science, Mansfield State College, Mansfield, Pa. 16933.

MOUNT, DR. TIMOTHY DOUGLAS, b. Maidstone, Eng. Dec. 16, 41; m. 67. AGRICULTURAL ECONOMICS, ECONOMETRICS. B.S. London, 63; M.S. Oregon State, 64; M.A. California, Berkeley, 67; Ph.D. (agr. econ), 70. ASST. PROF. AGR. ECON. CORNELL, 69-. Econ. Assn. Economet. Soc.; Statist. Assn.; Agr. Econ. Assn. Econometric applications to production theory at the firm level, especially investment and technical change. Address: Dept. of Agricultural Economics, New York State College of Agriculture, Cornell University, Ithaca, N.Y. 14850.

MOWATT, DR. MARIAN HUBBELL. Psychology. See L-Z Vol. 11th ed. Soc. & Behav. Vols. New information: Private practice, 68-. Address: 800 First Ave. N., Seattle, Wash. 98109.

MOWLANA, DR. HAMID. Communication, Political Science. See L-Z Vol. 11th ed. Soc. & Behav. Vols. New information: Also dir. int. commun. prog. 68-. School of International Service, American University, Washington, D.C. 20016.

MOYER, PROF. LAWRENCE NOEL. Sociology. See L-Z Vol. 11th ed. Soc. & Behav. Vols. New position: Prof. 69-. Dept. of Sociology & Anthropol-ogy, University of Toledo, Toledo, Ohio 43606.

MOYLAN, PROF. JOSEPH JAMES, b. Ridgefield, Conn. Mar. 14, 26; m. 55; c. 4. EXPERIMENTAL & CLINICAL PSYCHOLOGY. B.A. Dayton, 50; M.A. Bowling Green State, 51; Ph.D. (psychol.), Massachusetts, 57. Trainee clin. psychol., Dayton State Hosp., Ohio, 51-53; psychologist, 58-59; Elmcroft Manor, Portland, Conn. 56-58; Vet. Admin. Center, 59-60; PROF. TEACH-ING, Dayton, 60-63; PARSONS COLL., 63-. Participant, Nat. Sci. Found. Inst. summer 63. U.S.A.A.P. 44-45. Psychol. Assn. Psychonomic Soc. Application of laboratory established principles of general learning theory to com-plex clinical phenomena. Publ: Co-auth. Performance appraisal inter-viewing. Motivation. Inc. 67; auth. Stimulus generalization in projective test behavior, J. Personality, 39 & Kinesic figural aftereffects, J. Exp. Psychol. 64. Address: Dept. of Psychology, Parsons College, Fairfield, Iowa 52556.

MOYNTAN, PROF. DANIEL PATRICK. Economics, History. See L-Z Vol. 11th ed. Soc. & Behav. Vols. New position & address: Counsr. to President, 69-. White House Office, 1600 Pennsylvania Ave. N.W. Washington, D.C. 20500.

MROZ, DR. EDWARD A. b. Europe, Mar. 24, 13; U.S. citizen. INTERNA-TIONAL AFFAIRS, INTERNATIONAL LAW. LL.M. Paris, 49; LL.D. 51, dipl. polit. sci. 52; fel. & cert. Hague Acad. Int. Law, 52; fel. & cert. Acad. Am. & Int. Law, 64. Asst. to dir. & res. adv. students, Inst. Adv. Int. Studies, Paris, 51-56; UN secretariate, N.Y. 56-57; assoc. prof. & res. adv. students, Moncton, 63-66; asst. prof. polit. sci. & European hist. Notre Dame (B.C.), 66-67; Polit. adv. U.S. Embassy, Paris, 54-56; mem. French Nat. Res. Center, 55-56. Polit. Sci. Assn. Soc. Int. Law, 51st. Parliamen-tarians. Political science. Publ: The Arab League and the problem of Arab unity, 60, Pressure groups inside NATO, 64 & Development of international relations since 1945, 69, Politica Internacional, Madrid. Address: 172 O'Connor St., Ottawa, Ont., Can.

MUDD, DR. EMILY HARTSHORNE. Family Relations. See L-Z Vol. 11th ed. Soc. & Behav. Vols. New information: Emer. prof. family study psychiatrist, Pennsylvania, 67; res. assoc. Phila. Gen. Hosp. 67-. Address: 734 Mill-brook Lane, Haverford, Pa. 19041.

MUEHL, PROF. SIGMAR. Educational Psychology. See L-Z Vol. 11th ed. Soc. & Behav. Vols. New position & address: Prof. 69-. College of Educa-tion, University of Iowa, Iowa City, Iowa 52240.

MUELLER, DR. DONALD J. b. Milwaukee, Wis. Jan. 29, 34; m. 56; c. 3. PSYCHOLOGY, SOCIAL WELFARE. B.S. Wisconsin, 58; M.A. Nevada, 59; Ph.D. (psychol.), Utah, 65. Psychologist, Wis. Div. Corrections, 65-66; ASST. PROF. PSYCHOL. WISCONSIN-MILWAUKEE, 66-. U.S.A. 55-57. Psychol. Assn. Asst. Adv. Behav. Ther. Human learning: behavior modification and therapy. Address: Dept. of Psychology, College of Letters & Science, Uni-versity of Wisconsin-Milwaukee, Milwaukee, Wis. 53201.

MUELLER, PROF. EVA L. b. Mannheim, Germany, Feb. 26, 20; U.S. citizen. ECONOMICS. B.A. Smith Coll. 42; M.A. N.Y. Univ. 45; Ph.D. (econ), Har-vard, 51. Statistician, Fed. Reserve Bank N.Y. 43-46; instr. econ., Buffalo, 48-50; PROF. ECON. MICHIGAN, 51-. Prog. dir. Surv. Res. Cent., Michi-gan, 51-68. Consult. Nat. Coun. Appl. Econ. Res. New Delhi, India, 60 & 62 & 63; consult. & economist, U.S. Agency Int. Develop. Mission to India, 66-67 & 69. Econ. Assn. fel. Statist. Assn. Asian Studies. Economic development in South Asia; survey research; household economic decision making. Publ: Co-auth. Geographic mobility of labor, 67 & auth. Technological advance in

- an expanding economy, 69, Univ. Mich; co-auth. Consumer response to income increases, Brookings, 68. Address: 606 Robin Rd, Ann Arbor, Mich. 48103.
- MUELLER, DR. FRANZ (HERMANN). Economics, Sociology. See L-Z Vol, 11th ed, Soc. & Behav. Vols. New information: Emer. prof. Col. St. Thomas, 68-. Address: 2110 Wellesley Ave, St. Paul, Minn. 55105.
- MUELLER, PROF. GERHARD (GOTTLOB). Accounting. See L-Z Vol, 11th ed, Soc. & Behav. Vols. New information: Also chmn. dept. acct. Washington (Seattle), 69-. Address: 9660 N.E. 34th St, Bellevue, Wash. 98004.
- MUELLER, DR. JOHN (HENRY), JR. b. Sullivan, Mo, Dec. 19, 42; m. 64. EXPERIMENTAL PSYCHOLOGY. B.S. Missouri, 64; M.S. St. Louis, 67; Ph.D. (psychol.), 68. ASST. PROF. PSYCHOL. MISSOURI-COLUMBIA, 68-AAAS: Psychol. Asn. Learning; motivation; methodology; quantitative models of learning. Publ: Co-auth. Effect of successive lists on the parameters of a paired-associate model, 68 & Resistance to extinction as a function of nonresponse incentive shift, 68, Psychonomic Sci. & A test of two all-or-none models for paired-associate learning, J. Verbal Learning & Verbal Behav, 68. Address: Dept. of Psychology, University of Missouri-Columbia, Columbia, Mo. 65201.
- MUELLER, DR. PAUL (FREDERICK) (CHARLES). Psychology, Anthropology. See L-Z Vol, 11th ed, Soc. & Behav. Vols. Change of address: 4310 Moss Dr, Sacramento, Calif. 95822.
- MUELLER, DR. WILBERT J (JOHN). Psychology. See L-Z Vol, 11th ed, Soc. & Behav. Vols. Change of address: 608 Eastern, Apt. 102, Wichita, Kans. 67207.
- MUELLER, DR. WILLARD F (RITZ). Economics. See L-Z Vol, 11th ed, Soc. & Behav. Vols. New position & address: Wilbur, Dept. of Economics & Law, 69-. Dept. of Agricultural Economics, University of Wisconsin, Madison, Wis. 53706.
- MUFFLEY, HARRY C (HILTON). Biology, Organic Chemistry. See Suppl. V to 11th ed, Phys. & Biol. Vols.
- MUHAMMAD, DR. FAQR, b. Jullundar, India, Oct. 1, 27; m. 47; c. 3. POLITICAL SCIENCE, PUBLIC ADMINISTRATION. B.A. Panjab, W. Pakistan, 52, dipl, 53, M.A., 56; Ph.D. (pub. admin.), Syracuse, 59. Asst. Ed. Dept. Panjab, 48-54; lect. polit. sci., Karachi, 56-59; dir. res. Nat. Inst. Pub. Admin., 59-64; sr. scholar polit. sci., East-West Center, Honolulu, Hawaii, 64-65; assoc. prof. Queens Col. (N.Y.), 65-66; CHIEF SECT. DEVELOP. AD. MIN. UN SECRETARIAT, 66-. Consult. East. Regional Orgn. Pub. Admin., 64-65. Ed. Nipa Reporter, Pakistan, 62-64. Soc. Pub. Admin.; Polit. Sci. Asn. Developmental administration including appraisal of national administrative capabilities for development; strategies and tactics of administrative change. Publ: Public administration in Pakistan, In: Public administration in South and Southeast Asia, IAS, Brussels, 65; Public budgeting in Pakistan, In: Financial mgt. Pakistan, Nipa, Lahore, 67. Address: 49 Brentwood Dr, Pleasantville, N.Y. 10570.
- MULAİK, DR. STANLEY ALLEN, b. Edinburg, Tex, Apr. 9, 35; m. 63; c. 2. QUANTITATIVE PSYCHOLOGY. M.A., Utah, 62; Ph.D. (clin. psychol.), 63. Res. assoc. psychol. Utah, 63-64, res. instr. 64-66; fel. psychomet. lab, NORTH CAROLINA, CHAPEL HILL, 66-67, res. assoc. QUANT. PSYCHOL, 67, ASST. PROF. L.L. THURSTONE PSYCHOMET. LAB, 67-. U.S.A., 57, Res. 57-, Capt. AAAS: Psychomet. Soc.; Psychol. Asn. Factor analysis; multivariate analysis; personality theory; measurement and prediction of nursing performance; mental test theory; psychological measurement. Address: Psychometric Lab, University of North Carolina at Chapel Hill, Chapel Hill, N.C. 27514.
- MULCAHY, DR. GLORIA ALVERNAZ, b. Watsonville, Calif, Apr. 15, 38; m. 67; c. 1. PSYCHOLOGY. B.A., San Jose State Col, 59; M.S., Washington State, 60; Munich, 64-65; Grant Found. fel. Maryland, 65-67, univ. fel. summer 67, Ph.D. (psychol.), 67. Asst. phys. ed., Washington State, 59-60; instr. high sch., Calif., 60-62; clinician, develop. clin. emotionally disturbed children, Maryland, 62-63; asst. phys. ed., 62-64; asst. prof. human behav., Drexel Inst. Tech, 67-68; ASST. PROF. PSYCHOL., WESTERN ONTARIO, 68-. Lectr. St. George Williams, summer 68. Child psychology; human development; attitude development and change. Address: R.R. 2, Thamesford, Ont, Can.
- MULLEN, PRES. JAMES (ANNA). Economics. See L-Z Vol, 11th ed, Soc. & Behav. Vols. New position & address: Pres, 68-, Jersey City State College, 2039 Kennedy Blvd, Jersey City, N.J. 07305.
- MULLEN, DR. PIERCE C. History of Science. See 5th ed, Dir. Am. Scholars, Vol. I, Hist.
- MULLENBORG, DR. WALTER EDWARD, b. Harrah, Okla, Apr. 22, 40; m. 63; c. 3. ECONOMICS, URBAN & REGIONAL PLANNING. B.S., Okla. State, 61, M.S., 63; Ph.D. (econ), Iowa State, 68. Res. assoc. ECON, Iowa State, 67-68; ASST. PROF. TEXAS, ARLINGTON, 68-. Div. Planning Coord. State of Tex. grant, 69-. U.S.A., 63-65. Econ. Asn. Teaching and research activities related to urban-regional economics; metropolitan planning, especially economic and demographic projections. Publ: A review of central Iowa's governmental units, people and economy, Cent. Iowa Regional Planning Cmn, 68; co-auth. A simulating model for multi-county regional planning, Proc. Am. Real Estate & Urban Econ. Asn., 69. Address: Dept. of Economics, University of Texas at Arlington, Arlington, Tex. 76010.
- MULLER, PROF. JOHN J. b. Toledo, Ohio, Dec. 15, 28; m. 55; c. 8. PSYCHOLOGY. B.A., St. Meinrad Sem. Col., 50; St. Peter's Major Theol. Sem., Can., 50-53; St. Louis, 54; M.A., Toledo, 57; Ph.D. (clin. psychol.), Wayne State, 63. Nat. Inst. Ment. Health fel. Detroit Receiving Hosp, Mich., 60-61; Vet. Admin. trainee, Dearborn, 61-62; instr. PSYCHOL. DETROIT, 57-63, asst. prof., 63-66, asst. prof., 66-69, PROF., 69-. CHMN. DEPT., 67-. Consulting psychologist, State of Mich., 67-; consult. Coun. Grad. Schs. U.S., 68-.. Mem. Ecumenical Cmn. Archdiocese Detroit, 66-68; chmn. psychol. div. Mich. Acad. Arts, Sci. & Letters, 67-68. Psychol. Asn. The teaching and practice of psychotherapy and the development of a doctoral program to further these interests and the philosophy of science. Address: 5230 Doherty Dr, Orchard Lake, Mich. 48063.
- MULLER-SCHWARZE, DR. DIETLAND. Animal Behavior, Zoology. See Suppl. VI to 11th ed, Phys. & Biol. Vols.
- MULLIGAN, DR. BENJAMIN EDWARD. Sensory Psychology. See 12th ed, Phys. & Biol. Vols.
- MULLIN, DEAN GAIL (EDWARD). Economics. See L-Z Vol, 11th ed, Soc. & Behav. Vols. New position: Prof. econ. & dean, 69-, College of Business Administration, Kent State University, Kent, Ohio 44240.
- MULVANEY, BERNARD GEORGE, C.S.V. Sociology. See L-Z Vol, 11th ed, Soc. & Behav. Vols. New position & address: Head, 69-, Dept. of Sociology, St. Procopius College, Lisle, Ill. 60532.
- MULVHILL, DR. DENNIS E. b. Pittsburgh, Pa, Oct. 14, 26; m. c. 6. POLITICAL SCIENCE, PUBLIC ADMINISTRATION. B.A., Duquesne, 49, M.A., 52; Ph.D. (pub. & indust. admin.), Pittsburgh, 59. Lectr. govt. Duquesne, 49-53; orgn. & methods exam, U.S. Army Ord, 53-56; ed. data processing sys. rep. Int. Bus. Mach. Corp., 56-59; DIR. CONSULT. SERV. TO GOVT., ED. & MED. TOUCHÉ, ROSS & CO., 59-. Spec. lectr. grad. sch. pub. & int. affairs, Pittsburgh, 57-60, U.S.A., 45-46. AAAS: Soc. Pub. Admin. Application of computers to governmental activities. Publ: Developing systems timing specs, Datamation, 4/65; The present and future use of computers in state government, Pub. Admin. Rev. 6/65; Organization for effective information flow, Mgt. Serv., 11-12/65. Address: Touche, Ross & Co, 80 Pine St, New York, N.Y. 10005.
- MUNCIE, PROF. JOHN G. United States History. See Suppl. I to 5th ed, Dir. Am. Scholars.
- MUNNS, DR. LAWRENCE KAY, b. Walla Walla, Wash, Feb. 29, 40; m. 64. POLITICAL SCIENCE, PUBLIC ADMINISTRATION. B.A., Washington State, 62; Woodrow Wilson fel. & M.A., Chicago, 65; Ph.D. (polit. sci.), California, Berkeley, 70. Mgt. intern. U.S. Dept. Labor, 64-65; ASST. PROF. POLIT. SCI., GOUCHER COLL., 68-. Polit. Sci. Asn.; Soc. Pub. Admin. Innovation in public bureaucracy; power and professionalism in bureaucracy; pluralist political theory. Address: Dept. of Political Science, Goucher College, Baltimore, Md. 21204.
- MUNRO, DR. JIM L. b. York, Nebr., July 20, 35; m. 53; c. 2. POLITICAL SCIENCE. B.A., Tex. Tech. Col., 59; M.A., Kansas, 63, Ph.D. (polit. sci.), 65; fel. Inst. Community Studies, Kansas City, 63-64. Assoc. prof. pub. admin., Missouri-Kansas City, 63-66; sr. lectr. indust. social, Adelaide, 66-67; asst. dean criminal justice, State Univ. N.Y. Albany, 67-68; ASSOC. PROF. PUB. ADMIN., JOHN JAY COL., CITY UNIV. NEW YORK, 68-. Consult. Cent. Labor Coun. Am. Fedn. Labor-Cong. Indust. Orgns., 68-63; Australian-N.Z. Sr. Police Officers Course, S. Australian Police Dept. & Broken Hill Proprietary Co, Ltd, S. Australia, 66; New York City Probation Dept., 69; Govt. Mgt. Inst., 69. Soc. Pub. Admin. Australian Inst. Mgt. Australian Indust. Rel. Soc. Social psychological theory in organizations; planning; programming; budgeting systems; social control in industrial organizations and labor unions. Publ: Co-auth. Administrative behavior: an bibliography, Univ. Mo, 67; auth. Internal factors of control in labor unions, J. Indust. Rel., 7/69; Planning, programming, budgeting for public school, Montclair, 4/70. Address: Dept. of Government, John Jay College of Criminal Justice, City University of New York, 235 E. 20th St, New York, N.Y. 10003.
- MUNSLINGER, DR. GARY M. b. Wichita, Kans., Mar. 9, 37; m. 60. BUSINESS ADMINISTRATION, MARKETING. B.S., Kansas State Col. Pittsburg, 59; M.B.A., Arkansas, 60, Ph.D. (mkt), 64. Instr. mkt. & econ. Arkansas, 60-63; asst. prof. ARIZONA, 63-67, ASSOC. PROF. MKT. & MGT, 67-, ASSOC. DEAN, 70-, asst. dean, 67-70. Consult. various private bus. orgn., 64-; travel serv. U.S. Dept. Commerce, 68-. Mkt. Asn.; Psychol. Asn.; Inst. Decision Sci. Coun. Consumer Interests. Quantitative methods of decision making and behavioral sciences as applied to consumptive and business decision making. Publ: Co-auth. A model for allocating revenue responsibility, Revista Internacional de Scienze Economiche & Commerciali, 10/67 & The regrouping process in the United States and the Soviet Union, Univ. Washington Bus. Rev.; auth. A systematic approach to decision making, Ariz. Rev., 11/68. Address: 1220 Camino de los Padres, Tucson, Ariz. 85718.
- MUNSON, DR. FRED CALEB. Economics, Industrial Relations. See L-Z Vol, 11th ed, Soc. & Behav. Vols. Change of address: School of Public Health, University of Michigan, Ann Arbor, Mich. 48107.
- MUNSTER, PROF. RALF (FRIEDRICH) (WILLIAM). Philosophy. See 5th ed, Dir. Am. Scholars, Vol. IV, Philos., Relig., & Law.
- MURDOCH, DR. PETER (HORST) (JAMMERS), b. Krefeld, Germany, Nov. 30, 38; m. 66. SOCIAL PSYCHOLOGY. B.S., Eardley traveling scholar & Marshall scholar, Manchester, 61; M.A. & Ph.D. (psychol.), North Carolina, Chapel Hill, 65. Instr. psychol. & res. asst. North Carolina, Chapel Hill, 61-65; asst. prof. psychol., Iowa, 65-69; RES. PSYCHOLOGIST, SMITH RICHARDSON FOUND., INC., 69-. Res. asst., San Diego State Col., summer 63; vis. lectr., Grinnell Col., 66; U.S. Pub. Health Serv. grant, 68-69; adj. assoc. prof., North Carolina, Chapel Hill, 69-. Consult. Int. Asn. Student Exch. & Commercial Sci., 69-. Psychol. Asn.; Soc. Exp. Social Psychol.; Soc. Psychol. Study Social Issues; Brit. Psychol. Soc. Exchange theory; social interaction; development of leadership and creativity; response dispositions; personality factors in social behavior; innovations in teaching. Publ: Development of contractual norms in a dyad, J. Personality & Soc. Psychol., 67; Effectiveness of learning from programmed text compared with a conventional text covering the same material, J. Ed. Psychol., 68; Birth order and affiliation,

- Brit. J. Soc. & Clin. Psychol. 69. Address: Smith Richardson Foundation, Inc, Piedmont Bldg, P.O. Box 3265, Greensboro, N.C. 27402.
- MURFIN, DR. F. LEROY, b. Newton Hamilton, Pa, Mar. 4, 27; m. 52; c. 3. PSYCHOLOGY. B.A. Iowa, 50, M.A., 52, Ph.D. (psychol.), 54. Res. assoc. Am. Inst. for Res. 53-55; soc. scientist, Rand Corp. 55-56; mem. tech. staff, Space Tech. Labs. Inc, Ramo-Woodbridge Corp, Calif, 56-62; SR. DESIGN SPECIALIST, GOODYEAR AEROSPACE CORP, 62- U.S.N.R. 45-46. Psychol. Asst.; Human Factors Soc. Human factors engineering; life support; training devices. Address: 86 W. Garwood, Tallmadge, Ohio 44278.
- MURPHY, PROF. RHOADS, III. Human Geography. See L-Z Vol. 11th ed, Soc. & Behav. Vols. New information: Also dir, 69-, Center for Chinese Studies, University of Michigan, Lane Hall, Ann Arbor, Mich. 48104.
- MURPHY, DR. AUSTIN de la S(ALLE). Economics. See L-Z Vol. 11th ed, Soc. & Behav. Vols. New position: Pres. & chief exec. officer, East River Savings Bank, 70- Address: 49 Brewster Rd, Scarsdale, N.Y. 10583.
- MURPHY, DR. GARDNER. Psychology. See L-Z Vol. 11th ed, Soc. & Behav. Vols. Change of address: Dept. of Psychology, George Washington University, Washington, D.C. 20006.
- MURPHY, DR. GEORGE E(ARL). Medicine. See Suppl. V to 11th ed, Phys. & Biol. Vols.
- MURPHY, DR. HENRY C(LIFFORD). Economics. See L-Z Vol. 11th ed, Soc. & Behav. Vols. Change of address: 4201 Massachusetts Ave. N.W., Apt. 7064 W, Washington, D.C. 20016.
- MURPHY, DR. J. CLARENCE. Sociology. See L-Z Vol. 11th ed, Soc. & Behav. Vols. New position & address: Prof. social, 69-, University of Prince Edward Island, Charlottetown, P.E.I., Can.
- MURPHY, DEAN JOHN JOSEPH. Economics, Economic History. See L-Z Vol. 11th ed, Soc. & Behav. Vols. New information: Also dean, 69-, Graduate School of Arts & Sciences, Catholic University of America, Washington, D.C. 20017.
- MURPHY, DR. LOIS B(ARCLAY). Psychology. See L-Z Vol. 11th ed, Soc. & Behav. Vols. Change of address: 2810 Cortland Place N.W., Washington, D.C. 20008.
- MURPHY, DR. MARY MARTHA. Psychology. See L-Z Vol. 11th ed, Soc. & Behav. Vols. Change of address: 536 Woodbury Rd, Jackson, Miss. 39206.
- MURPHY, DR. MATTHEW J(OHN). Experimental and Applied Psychology. See L-Z Vol. 11th ed, Soc. & Behav. Vols. New position: Partner, 69-, Smyth & Murphy Associates, 176 Riverside Ave, Red Bank, N.J. 07701.
- MURPHY, PROF. RAYMOND E(DWARD). Geography. See L-Z Vol. 11th ed, Soc. & Behav. Vols. New information: Emer. prof. geog. grad. sch. geog. Clark, 68- Address: Westminster Rd, Princeton, Mass. 01541.
- MURPHY, PROF. ROBERT F(RANICS). Anthropology. See L-Z Vol. 11th ed, Soc. & Behav. Vols. New information: Also chmn, 69-, Dept. of Anthropology, Columbia University, New York, N.Y. 10027.
- MURPHY, PROF. WALTER FRANCIS. Political Science. See L-Z Vol. 11th ed, Soc. & Behav. Vols. New position: McCormick prof. jurispr, 68-, Princeton University, Corwin Hall, Princeton, N.J. 08540.
- MURRA, DR. GENE E(LDEN). Agricultural Economics. See L-Z Vol. 11th ed, Soc. & Behav. Vols. New position & address: Assoc. prof., 69-, Dept. of Agricultural Economics, Mississippi State University, P.O. Box 5187, State College, Miss. 39762.
- MURRAY, DR. BARBARA B, b. Detroit, Mich, Aug. 31, 33; m. 55; c. 2. ECONOMICS. B.S. Mich. State, 55; M.B.A., Detroit, 61; M.A. Wayne State, 64, Ph.D.(econ), 67. Asst. econ. Wayne State, 61-66; vis. prof. urban econ, sch. archit, DETROIT, summers 67 & 68, asst. prof. econ, UNIV, 67-69, ASSOC. PROF. ECON. & QUANT. METHODS, 70- Consult. planning coord, State of Mich, 66-67; Transportation & Land Use Study, Detroit, Mich, 68-69. Econ. Asst.; Statist. Asst.; Real Estate & Urban Econ. Asst.; Indust. Rels. Res. Asst. Urban-regional economics; labor economics in urban labor markets; spatial distribution of income; forecasting in urban-regional markets. Publ: Metropolitan income inequality, 2/69 & Central city expenditures and out-migration, 11/69, Land Econ: The coefficient of interarea variation, J. Am. Statist. Asn, 6/70. Address: Dept. of Economics & Quantitative Methods, University of Detroit, Detroit, Mich. 48221.
- MURRAY, PROF. ELWOOD. Psychology. See L-Z Vol. 11th ed, Soc. & Behav. Vols. New information: Emer. dir, Inst. Gen. Semantics, Univ. Denver, 69-; mem. prog. interdisciplinary res. conf. inst. Address: 2391 S. Clayton, Denver, Colo. 80210.
- MURRAY, DR. FRANK BRUSH. Educational Psychology. See L-Z Vol. 11th ed, Soc. & Behav. Vols. New position & address: Assoc. prof., 69-, Educational Psychology Center, College of Education, University of Delaware, Newark, Del. 19711.
- MURRAY, DR. JOHN DENNIS, b. Lynn, Mass, Sept. 3, 39. SOCIOLOGY. A.B. Merrimack Coll, 61; M.A., Massachusetts, 64, Ph.D.(sociol), 69. ASST. PROF. SOCIOL, RUTGERS, CAMDEN, 69-, Rutgers Univ. Res. Coun. fel., summer 70. Sociol. Asn. Social stratification; ethnic groups—assimilation. Publ: Co-ed, The professors: work and life style among academicians, Schekman, (in press). Address: Dept. of Sociology, Rutgers, The State University, Camden, N.J. 08102.
- MURRAY, DR. MERRILL G(ARVER). Economics. See L-Z Vol. 11th ed, Soc. & Behav. Vols. Change of address: Route 1, Box 81C, Islamorada, Fla. 33036.
- MURRAY, DR. RICHARD W, b. Baton Rouge, La, Sept. 23, 40; m. 63, 68; c. 1. POLITICAL SCIENCE. B.A., La. State, 62, M.A., 63; Ph.D.(polit. sci), Minnesota, 67. Instr. POLIT. SCI, HOUSTON, 66-67, ASST. PROF, 67- Polit. Sci. Asn. Political parties in the United States. Address: Dept. of Political Science, University of Houston, Houston, Tex. 77004.
- MUSCARELLA, DR. OSCAR WHITE. Archaeology. See 5th ed, Dir. Am. Scholars, Vol. I, Hist.
- MUSTO, DR. DAVID FRANKLIN. History & Social Sciences, American Science. See 5th ed, Dir. Am. Scholars, Vol. I, Hist.
- MUTHARD, PROF. JOHN E(DWARD). Psychology. See L-Z Vol. 11th ed, Soc. & Behav. Vols. New information: Also prof., 67-, Regional Rehabilitation Research Institute, University of Florida, Box 208 Health Center, Gainesville, Fla. 32601.
- MYATT, PROF. W(ILFRED) G(ERVAIS). Geography. See L-Z Vol. 11th ed, Soc. & Behav. Vols. New information: Emer. prof. Oregon State, 69- Address: 19004 S.E. Clinton, Gresham, Ore. 97030.
- MYERS, DR. BUDDY L, b. Parkersburg, W.Va, Aug. 24, 32; m. 69; c. 1. MANAGEMENT. B.S. W.Va. Inst. Tech, 56; London, 56-57; M.B.A., Pittsburgh, 61, fel., 62-64, Ph.D.(bus. admin), 66. Teacher bus. adm., 66-67, Tech, 57-60; asst. acct., Pittsburgh, 60-62; asst. prof. MGT, Duquesne, 64-66; KENT STATE, 66-68, ASSOC. PROF, 68- U.S.A.F., 49-53, S/Sgt. AAAS; Statist. Asn; Econ. Asn; Inst. Mgt. Sci. Development and use of mathematical models of processes of use to management in making decisions. Publ: Co-auth. Statistical functions: a source of practical derivations based on elementary mathematics, Kent State Univ, 70; co-auth. On the choice of risk levels in managerial decision-making, Mgt. Sci., 69 & A comparison of the planning of sales by two department store buyers, In: Management in action: models of administrative decisions, Int. Textbook, 69. Address: Dept. of Management, Kent State University, Kent, Ohio 44240.
- MYERS, PRES. GAIL(ELDRIDGE). Speech. See 5th ed, Dir. Am. Scholars, Vol. II, Eng, Speech & Drama.
- MYERS, DR. JOHN GRAHAM, b. Vancouver, B.C., July 22, 33; m. 63; c. 2. BUSINESS ADMINISTRATION. B.S.F., British Columbia, 54; M.B.A., Western Ontario, 58; M.A., Northwestern, 66, Ph.D.(mkt), 66. Prod. & mgt, Mac-Millan & Bloedel, 54-56; lectr. mkt. & int. bus., Western Ontario, 58-60; consult. MKT, Ford, Ford, Cairo, U.A.R., 60; lectr. Northwestern, 62-64; asst. prof. CALIFORNIA, BERKELEY, 64-69, ASSOC. PROF, 69- Ford Found. res. grants, 65-70; partner, HMV Info. Consult. Serv., Berkeley, 69- Mkt. Asn; Inst. Mgt. Sci; Sociol. Asn; Psychomet. Soc. Consumer motivation and behavior; advertising; marketing; psychometrics; computer simulation. Publ: Consumer image and attitude, Inst. Bus. & Econ. Res, 68; co-auth. Decision-making and learning: a simulated marketing management, Behav. Sci., 70 & Time-path types: from static to dynamic typologies, Mgt. Sci., 70. Address: Dept. of Marketing, Barrows Hall, University of California School of Business Administration, Berkeley, Calif. 94720.
- MYERS, DR. M(ARVIN) SCOTT. Industrial Psychology. See L-Z Vol. 11th ed, Soc. & Behav. Vols. New position: Vis. prof. orgn. psychol. & mgt, 69-, Sloan Sch. Mgt, Mass. Inst. Tech, 69- New Publ: Every employee a manager, McGraw, 70. Address: Sloan School of Management, Massachusetts Institute of Technology, 50 Memorial Dr, Cambridge, Mass. 02168.
- MYERS, PROF. MAX. Agricultural Economics. See L-Z Vol. 11th ed, Soc. & Behav. Vols. New information: Also dir., 69-, Institute of Social Sciences, South Dakota State University, Brookings, S.Dak. 57006.
- MYERS, DR. MICHELE T(OLELA), b. Rabat, Morocco, Sept. 25, 41; m. 68. SOCIOLOGY, COMMUNICATION. B.A., Paris, 62; M.A., Denver, 66, Ph.D. (commun), 67. Asst. to mkt. dir, Thomson Houston, Paris, France, 62-64; teaching asst. speech & commun, Denver, 65-67; ASST. PROF, Manchester Coll, 67-68; SPEECH, COMMUN. & SOCIOL, MONTICELLO COL, 68- U.S. Off. Ed. grant, Cent. State Col. Asn, 67-68. Int. Commun. Asn; Speech Asn. Am. Inst. Gen. Semantics. Leadership; small group process; human relations; laboratory training. Publ: Co-auth. Subordinate ethos and leadership attitudes, Quart. J. Speech, 67, Effect of feedback upon interpersonal sensitivity in laboratory training groups, J. Appl. Behav. Sci, 69 & Group credibility and opinion change, J. Commun, 70. Address: The Evergreens, Monticello College, Godfrey, Ill. 62035.
- MYERS, PROF. ROBERT D, b. Covington, Ohio, Nov. 5, 08; m. c. 3. BUSINESS. B.A., Ohio State, 29; M.A., Va. Standard Oil of Ohio fel. & Ph.D.(bus. orgn), 54. PROF. BUS. ADMIN, W.Va. Wesleyan Col, 30-32; part-time instr, Franklin, 39-42; PROF, TOLEDO, 46-, CHMN. DEPT. ADMIN. & PERSONNEL, 54- Private law practice, 34-44. Mich. Consol. Gas fel, 56; dir. grad. studies, col. bus. admin, TOLEDO, 59-61. Closing officer, Home Owners Loan Corp, 34; receiver, Mutual Savings & Loan, Ohio, 35; secy. to gov. Ohio, 36; hearing exam. Ohio Tax Cmn, 37-39; exec, Aetna Life Ins. Co, 43-46; superv. training facility, Toledo Edison Co, 54-58. Inst. Indust. Eng; Acad. Mgt. Bus. Law Asn. Publ: Business Law Forum, Univ. Toledo, 49; co-auth. College Business Law, Pitman, 60; Law as a tool of management, Adv. Mgt, 12/51. Address: College of Business Administration, University of Toledo, Toledo, Ohio 43606.
- MYERS, PROF. ROBERT H(ARRY). Marketing, Economics. See L-Z Vol. 11th ed, Soc. & Behav. Vols. New information: Also dir. res, 68-, School of Business Administration, Miami University, Oxford, Ohio 45056.
- MYERS, DR. ROBERT L(ONARD). Psychology. See L-Z Vol. 11th ed, Soc. & Behav. Vols. Change of address: 8814 Carlisle Rd, Wyndmoor, Pa. 19118.
- MYHILL, PROF. JOHN. Mathematics. See Suppl. VI to 11th ed, Phys. & Biol. Vols.
- MYKLEBUST, DR. HELMER R. Psychology, Language Pathology. See L-Z Vol. 11th ed, Soc. & Behav. Vols. New position & address: Res. prof. spec.

ed. & coordinator grad. studies, 69-. Dept. of Special Education, Northern Illinois University, De Kalb, Ill. 60115.

MYRICK, DR. RICHARD. Psychology. See L-Z Vol, 11th ed, Soc. & Behav. Vols. New position & address: Pres, 67-, Performance Research Inc, 919 18th St. N.W., Washington, D.C. 20006.

MYTINGER, PROF. ROBERT EUGENE, b. Belle Fourche, S.Dak, Sept. 24, 26. HEALTH ADMINISTRATION. B.S. California, Los Angeles, 48, Dr. P.H., 65; M.P.H., California, Berkeley, 50. Assoc. campus sanitarian, student health serv. California, Los Angeles, 48-51; training & publ. officer, prev. med. div. bur. med. & surg. U.S. Navy, 51-52; prog. dir. pub. health cmt, Paper Cup & Container Inst., N.Y., 52-55; asst. to secy, 55-57; secy, 57-58; secy, West. reg. office, Am. Pub. Health Assn, 58-63; assoc. prof. pub. health & asst. dean for admin. SCH. PUB. HEALTH, HAWAII, 65-69, PROF. 69-. World Health Org. fel, Pac. S.E. Asia, 68. U.S.N.R., 44-46, 50-51, Lt. Pub. Health Assn. Distribution of health manpower; utilization of medical facilities and resources; innovation and change in health services. Publ: Co-auth, Education in gerontology for Hawaii, Sch. Pub. Health, Univ: Hawaii, 12/66; auth, Barriers to the adoption of new programs perceived by local health officer, Pub. Health Reports, 2/67; Innovations in local health services, In: Studies in medical care administration series, U.S. Pub. Health Serv, 2/68. Address: 2540 Maile Way, Honolulu, Hawaii 96822.

N

NAAR, DR. RAY, b. Salonicca, Greece, Oct. 15, 27; U.S. citizen, m. 53; c. 1. CLINICAL PSYCHOLOGY. B.Phil. French Archaeol. Sch, Athens, Greece, 48; B.S. Col. William & Mary, 57, M.S., 59; fel, Pittsburgh, 61-64, Ph.D. (psychol), 66. Psychologist, Juvenile Court, Richmond, Va., 57-59, chief psychologist, 59-61; staff psychologist, Psychol. Serv. of Pittsburgh, Pa, 64-66; CHIEF PSYCHOL. DEPT. COMMUNITY MENT. HEALTH CENTER, ST. FRANCIS GEN. HOSP., 66- Inst. Univ. Pittsburgh, 66-, adj. asst. prof, 67- U.S.A., 52-55, Res. 55-65, Capt. Psychol. Assn. Counseling and psychotherapy; psychodiagnostic testing. Address: 6576 Lyndhurst Green, Pittsburgh, Pa. 15206.

NADELMAN, DR. LORRAINE MRS. SIDNEY WARSCHAU (SKY). Psychology. See L-Z Vol, 11th ed, Soc. & Behav. Vols. New position: Assoc. prof, Michigan, 69-. Address: 1412 Brooklyn Ave, Ann Arbor, Mich. 48104.

NADKARNI, DR. VASANT D., b. Bombay, India, Sept. 14, 32; m. 62. CONSUMER & ORGANIZATIONAL BEHAVIOR. Ford Found. fel, N.Y. Univ., 62-64, Ph.D. (bus. admin), 66. Pub. rels. info. Serv. New York, 58-59; acct. exec. Advert. Agency & Mkt. Res., 61-62; asst. prof. BUS. ADMIN. McGill, 66-68; ASSOC. PROF. WINDSOR, 68- Mkt. Assn. International marketing. Publ: The new managers in India. . . In: The process of management, Prentice-Hall, 69; co-auth, Teaching by the Case method, Int. Mgt. Rev. Zurich, 2/69. Address: Faculty of Business Administration, University of Windsor, Windsor, Ont., Can.

NAFTALIN, DR. ARTHUR. Political Science. See L-Z Vol, 11th ed, Soc. & Behav. Vols. New position: Prof. pub. affairs, Minnesota, Minneapolis, 69-. Address: 66 Seymour Ave. S.E., Minneapolis, Minn. 55414.

NAFZIGER, DR. ESTEL WAYNE, b. Bloomington, Ill., Aug. 14, 38; m. 66; c. 1. ECONOMICS. B.A., Goshen Col., 60; M.A., Michigan, 62; Midwest Univ. Consortium Earhart fel, Illinois, Ph.D. (econ), 67. Teacher, sec. sch., Ind., 60-61; asst. ECON. Cent. Res. Econ. Develop. Michigan, 61-62; Illinois, 62-64; res. assoc. Econ. Develop. Inst., Nigeria, 64-65; ASST. PROF. KANSAS STATE, 66-. Soc. Sci. Found. & Kansas State Univ. res. fel, Ahmadu Bello Univ., Nigeria, summer 69; African Studies Assn. fel, 69-. Econ. Assn.; Royal Econ. Soc. Economic aspects of the Nigerian political conflict; determinants of the supply and success of entrepreneurs in less developed economies; interregional economic relations in less developed economies. Publ: Interregional economic relations in the Nigerian footwear industry, J. Mod. African Studies, 68; A reconsideration of capital surplus in Nigeria, Nigerian J. Econ. & Soc. Studies, 3/68; The effect of the Nigerian extended family on entrepreneurial activity, Econ. Develop. & Cultural Change, 10/69. Address: Dept. of Economics, Kansas State University, Manhattan, Kans. 66502.

NAG, DR. MONI. Anthropology. See L-Z Vol, 11th ed, Soc. & Behav. Vols. New position: Assoc. prof, 69-, Dept. of Anthropology, Columbia University, 452 Schermerhorn Hall, New York, N.Y. 10027.

NAGATA, DR. JUDITH A., b. Walsall, Eng. Feb. 14, 40; m. 66. SOCIAL ANTHROPOLOGY. B.A. Univ. Col. London, 61; M.A., Illinois, 63, Ph.D. (anthropol), 68. ASST. PROF. ANTHROPOL. YORK (ONT), 67-. Res. grant, Dept. Prov. Secy. Citizenship & Immigration, Ont., 67-69. Anthrop. Assn.; Can. Assn. Sociol. & Anthropol. Religious utopian communities, especially Old Order Amish; urban anthropology, particularly studies of new immigrants to the city. Publ: Adaptation and integration of Greek working class immigrants to the city of Toronto: a situational approach, Int. Migration Rev., 69. Address: Dept. of Sociology, York University, Toronto, Ont., Can.

NAGEL, PROF. STUART S. Political Science. See L-Z Vol, 11th ed, Soc. & Behav. Vols. New position: Prof, 68-, Dept. of Political Science, University of Illinois, 325 Lincoln Hall, Urbana, Ill. 61801.

NAGLE, DR. WILLIAM J (JOSEPH). Political Science. See L-Z Vol, 11th ed, Soc. & Behav. Vols. New position & address: Sr. researcher, 69-, Urban Institute, 2100 M St. N.W., Washington, D.C. 20037.

NAGY, PROF. CHARLES FRANKLIN, b. Universal, Ind., May 3, 23; m. 46; c. 3. ACCOUNTING, ECONOMICS. B.S., Indiana State, 47, M.S., 49; Indiana, 48-50; Wisconsin, summer 51; Ph.D. (acct, econ), Alabama, 59. Asst. prof. acct, Wis. State, 49-51; assoc. prof, Memphis State, 51-57; asst. prof, Ohio State, 57-60; Analyst, N.A.M. Aviation, Inc., Ohio, 60-61; prof. acct, Akron, 61-68; PROF. ACCT. & FINANCE & CHMN. DEPT. ACCT. FINANCE & LAW, CLEVELAND STATE, 68-. U.S.N., 42-46, Lt. (jg). AAAS; Am. Inst. Decision Sci.; Am. Acc. Assn.; Nat. Assn. Acct. Inst. Cert. Pub. Acct. Elec-

tronic data processing and systems that are related to social, governmental or business problems. Address: Dept. of Accounting, Finance & Law, Euclid at 24th St., Cleveland State University, Cleveland, Ohio 44115.

NAHM, PROF. JANE C., b. Lincoln, Ill., Jan. 12, 30; m. 59; c. 1. POLITICAL SCIENCE. B.A., Grinnell Col., 51; Hopkins, 54-55; George Washington, 55-57; Pennsylvania, 57-58; Tulane, 67-68. Staff assoc., U.S. Senate, 55-57; res. assoc., Hoover Library, 58-60; ASSOC. PROF. GOVT. & SOC. STUDIES, NORTHWEST STATE COL. (LA), 60-. Consult. urban planning, 69-70. U.S.M.C., 50-54, Capt. Polit. Sci. Assn.; Soc. Planning Off. City planning; port organization and management. Address: Dept. of Government & Social Studies, Northwestern State College, Natchitoches, La. 71457.

NAIDU, DR. GURRAMKONDA M., b. Chittoor, India, June 1, 37; m. 65; c. 1. MARKETING, STATISTICS. B.A., Sri Venkateswara Univ., India, 57; M.S., Indian Statist. Inst., Calcutta, 62; Nat. Sci. Found. grant, Mich. State, 68-69, Ph.D. (mkt), 69. Computer, Indian Statist. Inst., Calcutta, 58-60, asst. statistician, 60-62, mem. res. & teaching faculty statist. methods, 62-65; asst. instr. statist. appln. in ed. res. Mich. State, 66-68, spec. res. asst. control systs, 67-68, sr. asst. Mkt., 68-69; ASST. PROF. WIS. STATE, WHITE. WATER, 69-. Mkt. Assn.; Statist. Assn. Statistical applications in marketing, quality control and production management; model buildings and quantitative analysis of marketing systems; extension of marketing concept to education industry. Publ: Strategies for marketing higher education, Proc. Am. Mkt. Assn. Conf., 8/70. Address: Dept. of Marketing, Wisconsin State University, Whitewater, Wis. 53190.

NAKAMURA, DR. JAMES I., b. Toppensh, Wash. Mar. 16, 19; m. 44; c. 2. ECONOMICS, ECONOMIC HISTORY. B.S., Columbia, 52, Ford Found. fcls, 52-55 & 62-63, Ph.D. (econ), 64. Lectr. ECON. Columbia, 56-57; City Col. New York, 57-60; Columbia, 60-62; Inst. Hum. Rel., 64-65; asst. prof, COLUMBIA, 64-68, ASSOC. PROF., 68-. Fulbright-Hays Cent. faculty fel, Columbia Univ., summer 67. U.S.A., 45-48, 1st Lt. Econ. Assn.; Asian Studies; Agr. Econ. Assn.; Econ. Hist. Assn. Agricultural and economic development of modern Japan; comparative agricultural and economic development of Japan, Taiwan and Korea; pre-Meiji foundations of Japanese economic development. Publ: Agricultural production and the economic development of Japan, Princeton Univ., 66; Meiji land reform, redistribution of income, and saving from agriculture, Econ. Develop. & Cultural Change, 7/66; Nihon no Keizai Hatten to Nogyo, Toyo Keizai Shimpusha, 68. Address: East Asian Institute, Columbia University, New York, N.Y. 10027.

NALESZKIEWICZ, PROF. WLADIMIR, b. Warsaw, Poland, Feb. 1, 31; nat. m. 55; c. 2. ECONOMICS. B.A., Strasburg, 52, Free Europe Assn. scholar, 52-55, M.A., 55, French Govt. scholar, 55-56, Ph.D. (econ), 56. Instr. econ., Henderson State Teachers Col., 57-58; asst. prof. & chmn. dept. St. Benedict's Col., 59-62; asst. prof., Marquette, 62-64; assoc. prof., Notre Dame, 64-65; in staff economics, Consul. Am. Serv., Wash., D.C., 66 team leader & sr. economist, Checchi & Co., 66; mgr. dept. econ. anal. & forecasting, Commun. Satellite Corp., 66-69; PROF. ECON., CLEVELAND STATE, 69-. Consult. common carrier bur., Fed. Commun. Cmn., 69-. Econ. Assn. Economics of telecommunications; econometrics; international economics; European integration; Soviet economic system. Publ: Financing and coverage under social insurance in Soviet Russia, Indust. & Labor Rel., 7/64; U.S. agricultural exports to the European economic community: an econometric approach, In: Symposia studies series, Nat. Inst. Soc. & Behav. Sci., summer 65; Technical assistance of American enterprises to the growth of the Soviet Union, 1929-1933, Russian Rev., 1/66. Address: Dept. of Economics, Cleveland State University, Cleveland, Ohio 44115.

NAM, DR. TAE Y., b. Kyungbuk, Korea, Mar. 12, 38; m. 67; c. 2. POLITICAL SCIENCE & ANTHROPOLOGY. B.A., Keimyung Christian Col., Korea, 61; Carroll Col., 62-63; M.A., Iowa, 65, Ph.D. (polit. sci.), 69. ASST. PROF. POLIT. SCI., Tulsa, 67-69; NEVADA, 69-, faculty res. grant, 70-. Consult. Am. Airlines, 66-69. Polit. Sci. Assn.; Asian Studies; Soc. Pub. Admin. Far East and Southeast Asian politics; political anthropology; United Nations. Publ: Ed. Research methods in comparative politics, Univ. Tulsa, 69; auth, Structural-functional analysis, Int. Rev. Hist. & Polit. Sci., 2/69; Singapore's one party system: its relations to democracy and political stability, Pac. Affairs, winter 69. Address: Dept. of Political Science, University of Nevada, Las Vegas, Nev. 89109.

NAMIAS, PROF. JEAN. Economics. See L-Z Vol, 11th ed, Soc. & Behav. Vols. Change of address: 700 Columbus Ave, New York, N.Y. 10025.

NANCE, DR. RICHARD E. Computer Science, Operations Research. See 12th ed, Phys. & Biol. Vols.

NANDA, PROF. VED P. Law. See 5th ed, Dir. Am. Scholars, Vol. IV, Philos., Relig. & Law.

NANUS, DR. BURTON BENJAMIN, b. New York, N.Y. Mar. 21, 36. MANAGEMENT SCIENCE, OPERATIONS RESEARCH. M.E. Stevens Inst. Tech. 57; M.S. Mass. Inst. Tech, 59; D.B.A., Southern California, 67. Res. asst. Mass. Inst. Tech, 57-59; mgr. adv. tech. Univ. Div. Sperry Rand Corp, 59-62; training dir., Opers. Res. Inc, 62; opers. res. scientist, Syst. Develop. Corp, 62-65, sr. tech. adv. mgr., 65-67; pres., Planning Tech. Inc, 67-69; SR. PUB. SYST. RES. ASSOC. UNIV. SOUTHERN CALIFORNIA, 69-. Inst. Mgt. Sci.; Opers. Res. Soc. Am.; sr. mem. Inst. Indust. Eng. Sys. & Procedures Assn. Simulation and management gaming for research and educational purposes; long range planning processes; management information systems. Publ: Co-auth, Management games: a new technique for executive development, Reinhold, 61; auth, Industrial engineering opportunities in computer programming management, J. Indust. Eng., 7-8/65 & The multinational computer, Columbia J. World Bus., 11-12/69. Address: 249 S. Lafayette Park Lane, Los Angeles, Calif. 90057.

NAPIER, DR. HERMAN S., b. Wayne, W.Va., June 22, 22; m. 50; c. 2. SOCIAL PSYCHOLOGY, MANAGEMENT. B.S., U.S. Mil. Acad., 45; M.S., Tulane, 58, Ph.D. (psychol), 67. Instr. mil. psychol. & leadership, U.S. Mil. Acad., 58-60, asst. dir. mil. psychol. & leadership, 60-62; asst. prof., DEPT. MGT., ARKANSAS, FAYETTEVILLE, 67-70, ASSOC. PROF., 70-. U.S.A., 45-65, Lt. Col. AAAS; Psychol. Assn. Individual versus group learning. Publ: Social

- conditioning in the modification of a dominance hierarchy among white rats, *J. Soc. Psychol.* 68; Individual vs group learning on three different tasks, *J. Psychol.* 68; Individual vs group learning: note on two task variables, *Psychol. Reports*, 68. Address: Dept. of Management, University of Arkansas, Fayetteville, Ark. 72701.
- NAPOLI, DR. ANNA MARIE, b. New York, N.Y. July 30, 43. **PSYCHOLOGY**. B.A., Queens Col. (N.Y.), 65; M.S., Tulane, 67, Nat. Sci. Found. traineeship & Ph.D. (psychol.), 69. **ASST. PROF. PSYCHOL.**, REDLANDS, 69- **Psychol.** **Asst.**: Animal Behav. Soc. Social and hormonal factors in rodent sexual behavior. Address: Dept. of Psychology, University of Redlands, Redlands, Calif. 92373.
- NAPP, DR. RALPH RAYMOND VON TRESCROW. **Sociology**. See L-Z Vol. 11th ed, Soc. & Behav. Vols. New position & address: Assoc. prof., 69-; Dept. of Sociology, Madison College, Harrisonburg, Va. 22801.
- NARODICK, DR. KIT G. **Economics**, Business Administration. See L-Z Vol. 11th ed, Soc. & Behav. Vols. Change of address: 1025 Fifth Ave, New York, N.Y. 10028.
- NASH, PROF. ARNOLD (SAMUEL). **Religion**, **Sociology**. See 5th ed, Dir. Am. Scholars, Vol. IV, Philos. Relig. & Law.
- NASH, DR. GEORGE, b. New York, N.Y. Sept. 1, 32. **SOCIOLOGY**. B.A., Haverford Col. 53; Ph.D. (sociol.), Columbia, 69. **SOCIOLOGIST**, BUR. APPL. SOC. RES. COLUMBIA, 69- **Sociol.** **Asst.**: Soc. Study Social Probs. Urban sociology—aging, alcoholism and narcotics addiction; higher education—universities and urban problems. Publ: Student financial aid—college and university. *Encyclop. Ed. Res.* 68; co-auth. The non demanding society; an analysis of the social structure of skid row, *J. Soc. Probs.* 70; auth. The decision to attend movies, *Pub. Opinion Quart.* 70. Address: Bureau of Applied Social Research, Columbia University, 605 W. 115th St. New York, N.Y. 10025.
- NASH, DR. JUNE (CAPRICE). **Anthropology**. See L-Z Vol. 11th ed, Soc. & Behav. Vols. New publ: The structuring of social relations in Amatenango del Valle: an activity analysis, *CIDOC*, Mex, 69; In the eye of the ancestors: belief and behavior in a Maya Indian community, *Yale Univ.* 70. Address: Dept. of Anthropology, New York University, New York, University Heights, N.Y. 10453.
- NASH, DR. MICHAEL (DENNIS), b. San Diego, Calif. May 10, 40; m. 63; c. 3. **PSYCHOLOGY**. B.A., St. Mary's Col. Calif. 62; Loyola (Ill.), 62-63; M.A., Bradley, 64. Ph.D. (psychol.), Arizona State, 68. **ASST. PROF. PSYCHOL.**, TEMPLE BUELL COL., 68- **Psychol.** **Asst.**: Psychotherapy, especially behavior modification; perceptual research, especially the perception of complex stimuli; philosophy of science. Publ: Argument terminable or interminable. *Am. Psychologist*, (in press); co-auth. The dimensions of stimulus complexity and the visually evoked potential, *Neuropsychologia*, (in press). Address: Dept. of Psychology, Temple Buell College, Denver, Colo. 80220.
- NASH, DR. PHILLEO. **Anthropology**. See L-Z Vol. 11th ed, Soc. & Behav. Vols. Change of address: 540 N St. S.W., Washington, D.C. 20024.
- NASON, DR. JOHN (WILLIAM). **International Relations**. See L-Z Vol. 11th ed, Soc. & Behav. Vols. New information: Retired, 70. Address: Keene, N.Y. 12942.
- NASON, DR. ROBERT WHITE, b. Philadelphia, Pa. July 28, 39; m. 61; c. 4. **MARKETING**, **INTERNATIONAL BUSINESS**. B.S., Colorado, 63; M.B.A., Mich. State, 64. Ph.D. (mkt), 68. **Researcher**, U.S. Agency Int. Develop. Mich. State Univ. 66-68; **ASST. PROF. MKT.**, WHARTON SCH., PENNSYLVANIA, 69- **Mkt.** **Asst.**: Soc. Int. Develop. Role of market systems on economic development; alternative urban strategies for public policy to deal with problems of slums, ghettos, poverty and race. Publ: Ed. The role of food marketing in the economic development of Puerto Rico, 66 & auth. *Chaps.* In: The market process of Recife, Brazil and its food shed, 68. Mich. State Univ. Address: Dept. of Marketing, Wharton School, University of Pennsylvania, Philadelphia, Pa. 19104.
- NATCHEZ, DR. GLADYS WORMS. **Clinical Psychology**. See L-Z Vol. 11th ed, Soc. & Behav. Vols. Change of address: 55 E. 87th, New York, N.Y. 10028.
- NATH, PROF. LAWRENCE HAIG, b. Ottawa, Ont. Jan. 20, 17; U.S. citizen; m. 43; c. 2. **MANAGEMENT SCIENCE**. A.B., Duke, 39; M.A., Columbia, 47; Ph.D. (admin), Kentucky, 52. **Instr.** sci, Robert Col. Istanbul, 39-40; sci. & math. Brent Sch., Philippines, 40-41; chem. & physics, Fordham, 46-47; **assoc. prof.** chem., Tusculum Col., 47-48; **asst. prof.** phys. sci., Eastern Kentucky, 48-52; faculty mem. bus. admin., Sinclair Col., Ohio, 55-57; **prof. mgt.** & **chmn. dept.**, Nichols Col., 58-63; **dean sch. bus. admin.**, WEST. NEW ENG. COL., 63-68, **PROF. MGT. & INT. MGT.**, 68- **Sr. res. specialist**, Nat. Cash Register Co., Ohio, 57; **lectr.**, grad. sch. bus. admin., Clark, 68. **Contit.**, Springfield Tech. Comm. Coll., 68- **U.S.A.A.F.**, 42-45, **T/Sgt.** **Asst.** **Mgt.**; **Asn. Ed. Int. Bus.**; **Brit. Inst. Mgt.** **Management operation in Australia**; international trade of firms in Connecticut Valley; management training of first-line supervisors; science education in English for Turkish students. **Publ.**: Zoology review, *South. Press*, 38; Science for beginners in English, Robert Col. Istanbul, 40. Address: 6 Fairview Rd, Wilbraham, Mass. 01095.
- NATHAN, DR. OTTO. **Economics**. See L-Z Vol. 11th ed, Soc. & Behav. Vols. Change of address: 24 Fifth Ave, New York, N.Y. 10011.
- NATIELLO, DR. THOMAS (ANTHONY). **Management**. See L-Z Vol. 11th ed, Soc. & Behav. Vols. New position: Assoc. prof., 70-; Dept. of Management, University of Miami, P.O. Box 8524, Coral Gables, Fla. 33124.
- NATOLI, DR. SALVATORE (JOHN). **Geography**. See L-Z Vol. 11th ed, Soc. & Behav. Vols. New position & address: Ed. affairs, 41-42; **Asst.** **Director** of American Geographers, 1146 16th St. N.W., Washington, D.C. 20036.
- NAVARRAN, DR. LESLIE. **Clinical Psychology**. See L-Z Vol. 11th ed, Soc. & Behav. Vols. New position & address: Assoc. prof., 68-; Royal Roads Military College, Victoria, B.C., Can.
- NAYAN, DR. SEIJI, b. Hyogo, Japan, Dec. 20, 32; m. 61; c. 2. **ECONOMICS**. B.B.A., Hawaii, 58; M.A., Wisconsin, 62, Ph.D. (econ), 65. **Jr. economist**, Hawaii, 62-64; **ASST. PROF. ECON.**, WISCONSIN, MADISON, 65- **Mem.**, Southeast Asia Develop. Adv. Group, 67- **Publ.**: Natural resources, factor mix and factor reversal in international trade, *Am. Econ. Rev.* 5/67; The commodity pattern and export performance of developing Asian countries, *Econ. Develop. & Cult. Change*, 7/67. Address: Social Science Bldg., University of Wisconsin, Madison, Wis. 53706.
- NAYAR, DR. BALDEV RAJ, b. Gujrat, India, Oct. 26, 31; m. 61; c. 2. **POLITICAL SCIENCE**. B.A., Panjab, India, 53, M.A., 56; M.A., Chicago, 59, Ph.D. (polit. sci.), 63. **Asst. prof.** **POLIT. SCI.**, Calif. State Col. Hayward, 63-64; **MCGILL**, 64-66, **ASSOC. PROF.**, 66- **Sr. fel.** **Can. Coun.**, 67-68; **Sec.**, Shastri Indo-Can. Inst., 69-70. **Am. Hist. Assn.** **Watumnul** **prof.**, 68. **Polit. Sci. Asn.**; **Asn. Asian Studies**. Comparative politics and political development, especially with reference to India; problems of national integration and economic development. **Publ.**: Minority politics in the Punjab, 66 & co-auth. State politics in India, 68, Princeton; auth. National communication and language policy in India, Praeger, 69. Address: Dept. of Political Science, McGill University, Montreal, Que. Can.
- NAYLOR, DR. HARRY L (EE). **Anthropology**. See L-Z Vol. 11th ed, Soc. & Behav. Vols. Change of address: Dept. of Regional & Community Affairs, University of Missouri, Columbia, Mo. 65201.
- NAYLOR, DR. JOHN ALBERT, b. Keokuk, Iowa, Dec. 12, 40; m. 67; c. 1. **ECONOMICS**. A.B., Carthage Col., 63; M.A., Illinois, 65, Nat. Sci. Found. fel., summer 66, *Int. Bus. Mach. fel.*, 66-67, Ph.D. (econ), 68. **ASST. PROF. ECON.**, COL. WOOSTER, 68- **Econ.** **Asn.**: Finance **Asn.** **Monetary theory**; term structure of interest rates; general economic theory. **Publ.**: Some theoretical and empirical considerations relative to the term structure of interest rates, *J. Finance*, 9/69; Comment on a note on the traditional theory of the term structure of interest rates, *Int. Econ. Rev.* 10/69; Rationale and significance of the proposed discount mechanism, *Quart. Rev. Econ. & Bus.*, winter 69. Address: Dept. of Economics, College of Wooster, Wooster, Ohio 44691.
- NAZZARO, PROF. JAMES RUSSELL, b. New York, N.Y. June 5, 31; m. 55; c. 2. **EXPERIMENTAL PSYCHOLOGY**. B.A., City Univ. New York, 57; A.M., Columbia, 58, Ph.D. (psychol.), 61. **From asst. prof. PSYCHOL.** to **prof. & chmn.**, Arizona State, 68. **Asst. prof.**, **HEAD** **DEPT.**, CHICO STATE COL., 69- **Fulbright** **vis. prof.**, Brasilia, 64-65. **U.S.A.**, 51-53. **Psychol. Asn.** **Psychophysics**, especially bisection of visual extents and anchoring in auditory dimensions; influence of sensory variables on decision making; self-paced instruction; effect of air ions on stress behavior. **Publ.**: Bisection of a visual spatial extent, *Am. J. Psychol.* 7/7; 403-413; co-auth. Anchoring of pitch judgments, *J. Gen. Psychol.* 74: 307-311 & Influence of luminance on a two-choice decision task, *J. Exp. Psychol.* 71: 696-699. Address: Dept. of Psychology, Chico State College, Chico, Calif. 95926.
- NEAL, DR. GILBERT LINCOLN. **Industrial Psychology**. See L-Z Vol. 11th ed, Soc. & Behav. Vols. New position: Eng. psychologist, U.S. Army SAFSEA, White Sands Missile Range, N.Mex. 68- **Address**: 5312 Marculus, El Paso, Tex. 79924.
- NEAL, PROF. JOE WEST, b. Watertown, Tenn. Oct. 25, 16; m. 43; c. 4. **IN-TECHNICAL COMMUNICATION**, **SPEECH**. B.A., Texas, Austin, 38, M.A., 41, Ph.D. (Latin Am. studies), 57. **Lectr.** **govt.**, TEXAS, AUSTIN, 46-66, **PROF. SPEECH**, 66-, **DIR. INT. OFF.**, 41- **Am. Friends Mid.E.** **travel** **grant**, 54; **Creole** **found.** **grant.** **Consul**, **Inst. Int. Ed.**, Ford Found. & U.S. Dept. State, U.S.A.R. 42-, **Col. Nat. Asn.** **For. Student Affairs** (gress, 63-64); **Polit. Sci.** **Asn.**; **Speech Asn.** **Am.**; **Int. Commun.** **Asn.**; **Acad. Polit. & Soc.** **Sci.** **Address**: International Office, Drawer A, University Station, Austin, Tex. 78712.
- NEALE, DR. JOHN M., b. Toronto, Ont. Aug. 31, 43; m. 66. **PSYCHOLOGY**. B.A., Toronto, 66; M.A., Vanderbilt, 68, Ph.D. (psychol.), 69. **ASST. PROF. PSYCHOL.**, STATE UNIV. N.Y. STONY BROOK, 69- **Clinical psychology**; schizophrenia; emotion. **Publ.**: Egocentrism in institutionalized children, *Child Develop.* 66; co-auth. Anxiety, choice and stimulus uncertainty, *J. Personality*, 69 & Attention and schizophrenia, *Int. Progress in experimental personality research*, *Acad. Press*, 70. Address: Dept. of Psychology, State University of New York at Stony Brook, Stony Brook, N.Y. 11790.
- NEALEY, DR. STANLEY M. **Psychology**. See L-Z Vol. 11th ed, Soc. & Behav. Vols. New position & address: Assoc. prof. psychol., 69-; Dept. of Psychology, Colorado State University, Ft. Collins, Colo. 80521.
- NEASHAM, DR. ERNEST ROY, b. Dunsmuir, Calif. Feb. 29, 20; m. 64; c. 1. **HIGHER EDUCATION**. A.B., Chico State, 48, M.A., 56; **Kellogg** **fel.**, California, Berkeley, 63-68, **Ed.D.** (higher ed.), 68. **Teacher**, high sch., Calif., 49-50, v.p.in, 50-58; **instr.** **hist. & geog.**, Shasta Col., 58-63; **RESEARCHER & CONSULT.**, URS RES. CO., SAN MATEO, CALIF., 68- **U.S.A.**, 43-46, **Sgt.** **Junior college** and high school vocational and academic curriculum evaluation and research; school and college facility planning; educational systems, evaluation and research; junior college faculty characteristics and attitudes. **Publ.**: Co-auth. Vocational education available to adults in the public schools of Alameda and Contra Costa Counties, *Sch. Ed. Univ. California*, Berkeley, 66; **Experimental pilot summer vocational program**: an evaluation, *Mgt. & Econ. Res. Inc.*, 1968; **Project** 3000: evaluation of an exemplary vocational education program, *URS Res. Co.*, 69. Address: 4117 Boone Lane, Sacramento, Calif. 95821.
- NEAVE, DR. EDWIN (HAROLD), b. New Westminster, B.C. June 25, 35; m. 63; c. 2. **ECONOMICS**, **MANAGEMENT SCIENCE**. B.Commer., Brit. Col. Columbia, 64; Ph.D. (bus. admin.), California, Berkeley, 68. **Asst.** **to controller**,

- Can. Imp. Bank Commerce, 53-67; acting instr. managerial econ. California, Berkeley, 67-68; ASST. PROF. FINANCE, NORTHWESTERN, 68- North-western Univ. faculty res. fel, summer 69. Econ. Asn; Finance Asst; Instr. Mgt. Sci. Inventory theory; applications of management science techniques and of economic theory to problems in financial decision-making and in characteristics of financial markets. Publ: Co-auth, Financial Institutions, Irwin, 11th ed. (in prep). The stochastic cash balance problem with fixed costs for increases and decreases. Mgt. Sci. Theory, 3/70. Address: Dept. of Finance, Northwestern University, Evanston, Ill. 60201.
- NEEDHAM, DR. DOUGLAS, b. Leeds, Eng. Apr. 27, 40; m. 62. ECONOMICS. B.Sc. London, 61; Post. Study fel, Princeton, 61-64, M.A., 63, Fulbright travel fel, 61-65, Ph.D.(econ), 65. Instr. ECON, Princeton, 64-65; lectr. London Sch. Econ, 65-69; ASSOC. PROF. STATE UNIV. N.Y. COL. BROCK-PORT, 69- Consult. economist, U.K. Ministry Defence, London, 67-68. Econ. Asn. Industrial organization and market structure; macroeconomic theory; public finance and fiscal policy. Publ: Economic analysis and industrial structure, 69 & ed. Readings in the economics of industrial organization, 70, Holt; auth. The rationale of basing-point pricing, South. Econ. J., 4/64. Address: Dept. of Economics, State University of New York College at Brockport, Brockport, N.Y. 14420.
- NEEDHAM, DR. WILLIAM ROBERT, b. London, Ont. Dec. 19, 38; m. 62; c. 2. ECONOMICS. B. Comm. 61; M. Econ. 64; D. Econ. 64. Dir. Mangerial Econ. Immigration grant, 67-68, Ph.D.(econ), 68. Asst. prof. ECON, WATERLOO, 65-68, DEPUTY CHMN, 68-, ASSOC. PROF. 69- Am. Econ. Asn; Can. Econ. Asn. Canadian economic history; immigration to Canada from the British Isles. Address: Dept. of Economics, University of Waterloo, Waterloo, Ont., Can.
- NEEL, DR. ANN FILINGER. Clinical Psychology, Child Development. See L-Z Vol, 11th ed, Soc. & Behav. Vols. New position & address: Chief child welfare res. & demonstration grants prof, 68-, Community Services Administration, Social & Rehabilitation Services, Dept. of Health, Education & Welfare, Washington, D.C. 20201.
- NEEL, DR. RICHARD EUGENE. Economics. See L-Z Vol, 11th ed, Soc. & Behav. Vols. New position & address: Assoc. dean, 69-, School of Business Administration, Georgia State University, 33 Gilmer St. S.E., Atlanta, Ga. 30303.
- NEELY, DR. JAMES ALAN, b. St. Louis, Mo, Nov. 7, 36; m. 63. ANTHROPOLOGY, ARCHAEOLOGY. B.A., Univ. of the Americas, 58; M.A., Arizona, 68, Ph.D.(anthrop), 70. Asst. archaeologist, Mus. Northern Arizona, 62-63; res. assoc. archaeol, Rice, 63-64; Smithsonian Inst., 64; ASST. PROF. ANTHROP, TEXAS, AUSTIN, 68- Summers, res. asst. archaeol, Univ. Arizona, 60, Univ. Okla., 61-62, R.S. Peabody Found., Mexico, 64, Asst. archaeologist, Ariz. State Mus., Univ. Arizona, 65; res. assoc. archaeol, Smithsonian Inst., 66; archaeol. field res. in Iran, Rice Univ., 68-69. U.S.A.R., 55-62. Fel. AAAS; Anthrop. Asn; Mex. Anthrop. Soc; Brit. Inst. Persian Studies. Archaeological research on prehistoric plant and animal domestication and development of village farming communities and irrigation agriculture in Mexico and the Middle East. Publ: Co-auth, Pre-history and human ecology of the Deh Luran Plain, Iran, Univ. Michigan Mus. Anthrop. Memoirs, 69; auth, Organizaci6n hidraulica y sistemas de irrigaci6n prehist6ricos en el Valle de Oaxaca, Mexico, Bolet6n del Instituto Nacional de Antropologia e Historia, 67; co-auth, Water control systems of the Tehuacan Valley, Mexico, In: Prehistory of the Tehuacan Valley, Univ. Texas, 70. Address: Dept. of Anthropology, University of Texas at Austin, Austin, Tex. 78712.
- NEET, PROF. CLAUDE C(ASELLI). Psychology. See L-Z Vol, 11th ed, Soc. & Behav. Vols. New information: Emer. prof. psychol, Massachusetts, Amherst, 69- Address: 36 Harris St, North Amherst, Mass. 01059.
- NEGLEY, PROF. GLENN R(OBERT). Philosophy. See 5th ed, Dir. Am. Scholars, Vol. IV, Philos. Relig. & Law.
- NEGYESY, DR. ARPAD JOSEPH, b. Eger, Hungary, Nov. 23, 11; U.S. citizen; m. 42; c. 1. GOVERNMENT, HISTORY. LL.B., Archepiscopal Law & Polit. Sci. Acad, Eger, 34; Ph.D.(polit. sci.), Elizabeth Univ, Pecs, Hungary, 35; M.A., Rutgers, 61. Lectr. pub. admin, Munic. Acad. Townclerks, Eger, 41-45; asst. prof. pub. admin. & finance, Archepiscopal Law & Polit. Sci. Acad, Eger, 45-48; instr. Am. govt, Arlington State Col, 65-67; asst. prof. East. European govt, Texas, 67-69; ASSOC. PROF. HIST. & GOVT, NORWICH, 69- Res. grant, Texas, 67-69; Polit. Sci. Asn; Russian, Eastern Europe and American government. Address: Dept. of History and Government, Norwich University, Northfield, Vt. 05663.
- NEIDELL, DR. LESTER A, b. New York, N.Y., Apr. 29, 39; m. 61; c. 2. MARKETING. B.S. Lehigh, 60; Ford Found. fel, Mass. Inst. Tech, 64-65, S.M., 65; Ph.D.(econ), Pennsylvania, 69. ASST. PROF. MKT, STATE UNIV. N.Y. BUFFALO, 67, U.S.A.F., 61-67, S/Sgt. Inst. Mgt. Sci.; Mkt. Asn. Marketing operations; simulation; nonmetric multidimensional scaling. Publ: Co-auth, Perceptual mapping of a convenience good. Am. Mkt. Asn. Proc, fall 69; auth, Multidimensional scaling in marketing, J. Mkt, 11/69. Address: Dept. of Marketing, State University of New York at Buffalo, Buffalo, N.Y. 14214.
- NEIGHBOR, DR. HOWARD D. Political Science. See L-Z Vol, 11th ed, Soc. & Behav. Vols. New information: Also dir, 69-, Social Science Research Center, University of Texas at El Paso, Administration Annex, El Paso, Tex. 79999.
- NEILL, DR. JOHN ADDISON, b. St. Catharines, Ont, Nov. 22, 39; m. 60; c. 2. PSYCHOLOGY. B.A., Western Ontario, 61, M.A., 65, Ont. Addiction Res. Found. fel, 66-67, Ph.D.(psychol), 68. ASST. PROF. PSYCHOL, Windsor, 67-69; GUELPH, 69- Sr. res. consult, Ont. Ment. Health Found. res. grant, 67-70. Am. Psychol. Asn; Can. Psychol. Asn. Personality, educational problems; measurement. Publ: Co-auth, An empirical evaluation of item selection techniques in personality assessment, Educ. & Psychol. Measurement, 70. Address: Dept. of Psychology, University of Guelph, Guelph, Ont., Can.
- NELL, PROF. EDWARD JOHN. Economics. See L-Z Vol, 11th ed, Soc. & Behav. Vols. New position & address: Prof. econ, 69-, Graduate Faculty-Newschool for Social Research, 65 Fifth Ave, New York, N.Y. 10001.
- NELSEN, DR. EDWARD A. Developmental Psychology. See L-Z Vol, 11th ed, Soc. & Behav. Vols. New position & address: Dir, 68-, Office of Research & Evaluation, North Carolina Central University, Durham, N.C. 27707.
- NELSON, DR. ANDREW GEORGE, JR, b. New Haven, Conn, Feb. 19, 26; m. 51; c. 1. ECONOMICS, FINANCE. B.S., Maryland, 58, M.B.A. 63; D. Econ, Brussels, 64; George Washington, 64-67. Admin. officer, Bur. Customs, U.S. Treasury Dept, 59-60; finance analyst, Securities & Exchange Cmn, 60-64; grants officer, U.S. Pub. Health Serv, 64-67; asst. dir. res. & develop, AM. GAS ASSN, 67-68, ASST. CONTROLLER, 68- Pres, Tech-Ec Sys, Inc, 68- U.S. Pub. Health Serv. outstanding serv. award, 64-67. U.S.A., 43-58; U.S.N.R., 58-, Lt. Pub. Health Asn. Public financing of privately held corporations. Address: American Gas Association, 605 Third Ave, New York, N.Y. 10016.
- NELSON, DR. CONSTANCE B(URKHARDT). Psychology. See L-Z Vol, 11th ed, Soc. & Behav. Vols. New information: Clin. psychologist, Vet. Admin. Ment. Health Clin, 68-; affiliate assoc. prof, Colorado State. Address: 1160 Birch, Denver, Colo. 80220.
- NELSON, DR. DOUGLAS L, b. Waukegan, Ill, Aug. 7, 40; m. 62; c. 2. EXPERIMENTAL PSYCHOLOGY. B.A., Virginia, 62; M.A., Wisconsin (Madison), 65, Ph.D.(psychol), 67. ASST. PROF. PSYCHOL, SOUTH FLORIDA, 67- Application of concepts and methods of analysis developed in information theory to the study of organizational processes involve in the learning and retention of verbal stimuli. Publ: Co-auth, Single, alternate, and successive practice in the acquisition of two and three serial lists, 76: 376-386. Effect of cue alternation for ordinal position upon acquisition and serial position curve form, 68 & Information theory and stimulus encoding in paired-associate acquisition: ordinal position of formal similarity, 68, J. Exp. Psychol. Address: Dept. of Psychology, University of South Florida, Tampa, Fla. 33620.
- NELSON, DR. HERBERT LEROY. Psychiatry. See Suppl. VI to 11th ed, Phys. & Biol. Vols.
- NELSON, DR. JOEL I, b. New York, N.Y., Aug. 22, 35; m. 63; c. 2. SOCIOLOGY. A.B., Columbia, 59; M.A., Yale, 63, Ph.D.(sociol), 65. Asst. prof. SOCIOL, MINNESOTA, MINNEAPOLIS, 65-69, ASSOC. PROF, 70- Sociol. Asn. Analysis of the structure of social stratification. Publ: Clique contacts and family orientations, 66 & Participation and integration, 68, Am. Soc. Rev., Anomie, Am. J. Sociol., 68. Address: Dept. of Sociology, University of Minnesota, Minneapolis, Minn. 55455.
- NELSON, PROF. LOIS AUDREY, b. Stoughton, Wis, May 11, 29. SPEECH PATHOLOGY. B.S., Wisconsin, Madison, 54, Ph.D.(speech), 60; M.A., Western Michigan, 55. Speech therapist, Lehigh County Crippled Children's Soc, Allentown, Pa, 55-56; asst. prof. speech, Muiwe State, 56-57; asst. SPEECH PATH, WISCONSIN, MADISON, 60-61, asst. prof, 61-64, assoc. prof, 64-68, PROF, 68- Fel. Speech & Hearing Asn. Stuttering; differential diagnosis of speech and language disorders. Publ: Co-auth, Some general characteristics of linguistic output: stutterers vs. nonstutterers, J. Speech & Hearing Disorders, 5/66. Address: Dept. of Communicative Disorders, University of Wisconsin, 905 University Ave, Madison, Wis. 53706.
- NELSON, PROF. LYLE M, b. Yamhill, Ore, Feb. 28, 18; m. 41; c. 2. COMMUNICATION. A.B., Oregon, 41. Sr. tech. ed, Ord. Dept. U.S. Army, 44-45; asst. registr. officer, Bur. Reclamation, 45-47; assoc. prof. journalism, Oregon, 47-53; secy. & asst. pres, Nat. Ed. TV, 53-55; asst. prof. commun. lit. arts div, San Francisco State Col, 55-57; prof. journalism & v.pres. col. lit. sci. & arts, Michigan, 57-61; PROF. COMMUN. & CHMN. DEPT, STANFORD, 61- Consult. Govt. Am. Samoa, 66; U.S. Info. Serv, 67-; Govt. E. Africa, 68; U.S. Off. Ed, 68- Mem. U.S. Delegation to U.S.S.R., 59; exec. dir, White House Conf. Ed, 65. Communications research; journalism; broadcasting. Publ: Co-auth, Educational television: next ten years, U.S. Off. Ed, 62 & Satellite communications—case for India, U.S. Dept. State, 68; auth, Education in American Samoa: 1970, Univ. Hawaii, 70. Address: Dept. of Communications, Stanford University, Stanford, Calif. 94305.
- NELSON, PROF. RANDALL H(YLMAN). Political Science. See L-Z Vol, 11th ed, Soc. & Behav. Vols. New information: Also chmn, 69-, Dept. of Government, Southern Illinois University, Carbondale Ill. 62901.
- NELSON, DR. RANDOLPH JAMES, b. Pontiac, Mich, July 19, 29; m. 54; c. 2. EDUCATIONAL PSYCHOLOGY. B.S., East. Michigan, 53, M.A., 60; Ph.D.(ed), Wisconsin, 63. Lectr. counseling & behav. studies, Wisconsin, 63-64; asst. prof. ed. & guid, Colorado State, 64-66; ASSOC. PROF. ED. PSYCHOL. & GUID, CONNECTICUT, 66- Dir, Adv. Inst. Guid. & Counseling, 67-68; asst. dir, Teaching the Talented Prog, 69-71; Student Personnel Specialist Prog, 70-71; vics. lectr, Wisconsin, summer 69. U.S.A., 53-55. Psychol. Asn; J. Res. Asn; Personel & Guid. Asn; Nat. Voc. Guid. Asn. Identification of gifted and talented individuals; guidance of talented youth from disadvantaged environments; systems analysis research applied to pupil personnel services. Publ: Relationships of reported television viewing to selected characteristics reported by superior high school students, Dissertation Abstracts, 63; co-auth, Television and the superior student, Sch. & Soc, 12/64 & School counselor problems in Colorado and Massachusetts, Personel & Guid. J., 12/67. Address: Dept. of Educational Psychology, University of Connecticut, Storrs, Conn. 06268.
- NELSON, DR. ROBERT A. Economics. See L-Z Vol, 11th ed, Soc. & Behav. Vols. New position: Exec. fel, Brookings Institution, 70- Address: 6723 Tenneyson Dr, McLean, Va. 22101.
- NELSON, PROF. ROGER H, b. Spring City, Utah, Mar. 7, 31; m. 56; c. 2. MANAGEMENT, FINANCE. B.S. & M.S., Utah, 53; Danforth Found. fel, Columbia, 57-58, Ed.D.(mgmt), 58. Lectr. MGT, UTAH, 53-55, inst., 56-57, asst. prof, 58-63,

- assoc. prof. 64-70. PROF. 70-; ASST. DEAN COL. BUS. 69- Found. Econ. Ed. scholar, Mt. Bell, 68; v-pres. Comput. Logic Corp. 70- Consult. bur. econ. & bus. res. & bur. Indian serv. Univ. Utah; Circuit & Edgington; Continental Thrift & Loan; J.A. Hogle & Co; Kennecott Copper Corp; Mt. Bell; U.S. Air Force, Europe; Bur. Ind. State, U.S. Dept. Interior; Utah State Indus. Promot. Cmm; Utah Power & Light Co; Weber Indus. Promot. Cmm; Biologics, Inc; consult. to v-pres. Comput. Logics, Inc. 69- Mgt. Asn. Admin. Mgt. Soc. Management information science and systems; Industrial feasibility research; managerial communications; computer software. Publ: Co-auth. Evaluation and impact of the Small Business Administration's financial assistant program in Utah, 1984-1990. U.S. Govt. Small Bus. Admin. & Bur. Econ. & Bus. Res. Univ. Utah, 62; auth. Utah: optimum site for metal fabricating plants, Utah State Indus. Promot. Cmm, 68; Management and the age of the worker, Am. Mgt. Soc. Mgt. Bull, 10/64. Address: 2662 Skyline Dr, Salt Lake City, Utah 84108.
- NELSON, PROF. SHERWOOD M(ATHIS). Philosophy. See 5th ed, Dir. Am. Scholars, Vol. IV, Philos., Relig. & Law.
- NELSON, PROF. TED RICHARD, b. Hastings, Nebr., Nov. 15, 31; m. 52; c. 3. AGRICULTURAL ECONOMICS. B.S. Nebraska, Lincoln, 53; M.S., 59; Ph.D. (agr. econ), Okla. State, 64. Asst. county agent, Nebraska, 55-56, county agent, 56-58, asst. prof. AGR. ECON. 59-65; assoc. prof. OKLA. STATE, 65-68, PROF. 68- Mem. Nat. Exten. Cmt. Coord. Electronic Data Processing Farm Mgt, 66-69. U.S.A. 53-55, Res. 55-62, Capt. Agr. Econ. Asn. Extension farm management; farm planning; linear programming resource allocation; farm policy. Publ: Co-auth. Sources and repercussions of changing U.S. farm real estate values, Okla. State Univ. Exp. Sta. 4/66; auth. Analysis of fertilizer potential in the Southwest, Plant Food Rev, 12/67; Discussion of comprehensive agricultural data systems, J. Farm Econ, 12/67. Address: Room 532 Agriculture Hall, Oklahoma State University, Stillwater, Okla. 74074.
- NELSON, DR. WILLIAM GERALD. Economics. See L-Z Vol, 11th ed, Soc. & Behav. Vols. Change of address: 3302 Cathedral of Learning, University of Pittsburgh, Pittsburgh, Pa. 15213.
- NELSON, DR. WILLIAM RICHARD. Political Science, Law. See L-Z Vol, 11th ed, Soc. & Behav. Vols. Information: Retired from U.S. Air Force; prof. & chmn, 69-; Dept. of Political Science, Memphis State University, Memphis, Tenn. 38111.
- NEMETH, DR. CHARLAN, b. St. Louis, Mo, Dec. 29, 41. PSYCHOLOGY. B.A. Washington (St. Louis), 63; Nat. Insts. Health fel. Wisconsin, Madison, 63-65, M.A. 65; Nat. Instr. Health fel. Cornell, 67-68. Ph.D. (soc. psychol), 68. Res. asst, Oxford, 65-66; ASST. PROF. PSYCHOL, CHICAGO, 68- Vis. prof., Bristol, 69; Paris, 69-70. Psychol. Asn. Attribution theory; social influence; bargaining; social psychology. Publ: Effects of free vs. constrained behavior on attraction between people, J. Personality & Soc. Psychol. (in press); Bargaining and reciprocity, Psychol. Bull, (in press). Address: Dept. of Psychology, University of Chicago, Chicago, Ill. 60637.
- NERBONNE, DR. G. PATRICK, b. Lansing, Mich., Mar. 17, 37; m. 60; c. 2. SPEECH SCIENCE, EXPERIMENTAL PHONETICS. B.S. Central Michigan, 59; M.A. Mich. State, 62; Ph.D. (audiol. speech sci), 67. ASST. PROF. SPEECH, MASSACHUSETTS, AMHERST, 67- Speech & Hearing Assn. Publ: Passavant's phenomenon, J. Mich. Speech & Hearing Assn, 67; Speech reading and the synthesis of distorted printed sentences, J. Speech & Hearing Res., 3/70 & Most common words used in conversations: Western Massachusetts, J. Commun. Disorders, 5/70. Address: Dept. of Speech, University of Massachusetts, Amherst, Mass. 01002.
- NERLOVE, PROF. MARC L(EON). Economics. See L-Z Vol, 11th ed, Soc. & Behav. Vols. New position & address: Prof. 69-, Dept. of Economics, University of Chicago, 1126 E. 59th St, Chicago, Ill. 60637.
- NESER, PROF. WILLIAM B, b. Baltimore, Md., Apr. 20, 27; m. 54; c. 2. SOCIAL EPIDEMIOLOGY. B.A. Maryland, 52; M.S.S.A. Western Reserve Univ, 54; M.S.P.H. Missouri, 66; U.S. Pub. Health Serv. fel. 68-69. Case-worker, Highland View Hosp, 54-57, instr. soc. work & supvr, 58-61; instr. community health & soc. work, MISSOURI-COLUMBIA, 61-62, asst. prof., 62-65, ASST. PROF. COMMUNITY HEALTH & ASSOC. PROF. SOC. WORK, 66- (Prof. dir. Soc. Rehab. Admin. teaching & training grant, 68- Consult. Mo. Crippled Children's Serv., 62-63. Nat. Asn. Soc. Workers; Pub. Health Asn; Acad. Cert. Soc. Workers; Asn. Teachers Prev. Med; Coun. Soc. Work Ed; Royal Soc. Health. Medical and public health social work; social aspects of epidemiology; physical rehabilitation; venereal disease. Publ: Co-auth. The host agent model in social work research, Soc. Work, 4/66. Special problems encountered in the rehabilitation of quadriplegic patients. In: Differential diagnosis and treatment in social work, Free Press, 69 & Importance of homosexuals and bisexuals in the epidemiology of syphilis, South. Med. J., 6/69. Address: Dept. of Community Health, University of Missouri Medical School, Columbia, Mo. 65201.
- NESS, DR. THOMAS EUGENE, b. Van Wert, Ohio, Sept. 11, 37; m. 66. MARKETING. A.B. Albion Col, 58; B.S.E. Michigan, 59; M.S.I.A. Purdue, 64, Ford Found. fel. 66-67, Ph.D. (indust. admin), 68. Engr. Standard Oil Co. Calif., 59-64; instr. acct. & finance, Purdue, 64-66; faculty lect. MKT, INDIANA, 67-68, ASST. PROF. 68- U.S.A.R. 61-69. Mkt. Asn. Adoption and diffusion of innovations with special emphasis on new product planning and introduction in both the consumer and industrial sectors of the market place. Publ: Co-auth. Marketing models, Vol. II: Behavioral science applications, Int. Textbook, 70. Address: Graduate School of Business, Indiana University, Bloomington, Ind. 47401.
- NESVOLD, DR. BETTY A, b. Pensacola, Fla., Aug. 12, 22; m. 43; c. 5. POLITICAL SCIENCE. B.A. San Diego State Col, 61, M.A. 64; Nat. Defense Ed. Act fel. Minnesota, 65-67, Ph.D. (polit. sci), 68. ASST. PROF. POLIT. SCI., SAN DIEGO STATE COL, 67- Consult. Nat. Cmm. Causes & Prevention of Violence, 69- Polit. Sci. Asn. Cross national studies of conflict and violence. Publ: Co-auth. Quantitative macroanalysis: conflict, development and democracy, Sage, 70; auth. Scalogram analysis of political violence, Comp. Polit. Stud., 69. Address: Dept. of Political Science, San Diego State College, San Diego, Calif. 92115.
- NETHERS, PROF. JOHN L. Modern & Latin American History. See 5th ed, Dir. Am. Scholars, Vol. I, Hist.
- NETT, DR. EMILY M(ARGARET). Sociology. See L-Z Vol, 11th ed, Soc. & Behav. Vols. New position & address: Assoc. prof., 69-, University of Evansville, P.O. Box 320, Evansville, Ind. 47704.
- NETZER, DEAN DICK. Economics. See L-Z Vol, 11th ed, Soc. & Behav. Vols. New information: Also dean, 69-, Graduate School of Public Administration, New York University, Washington Square Campus, New York, N.Y. 10003.
- NEUFELD, DR. CHARLES MAXWELL, b. New York, N.Y., Oct. 14, 20; m. 44; c. 3. ECONOMICS. B.S. N.Y. Univ., 49; M.A. Florida, 64, Ph.D. (econ), 66. Asst. prof. ECON. WESTERN CAROLINA, 66-70, ASSOC. PROF. 70- HEAD DEPT., 68-, acting head dept., 67-68. U.S.N., 41-49; U.S.A., 49-63, Lt. Col. Econ. Asn. Public finance and the relationships between state and local governments and the effects on land use and land use policy. Address: Dept. of Economics, Western Carolina University, Cullowhee, N.C. 28723.
- NEUGARTEN, PROF. BERNICE L(EVIN). Human Development. See L-Z Vol, 11th ed, Soc. & Behav. Vols. New information: Also chmn. cmt. human develop, Univ. Chicago, 69-. Address: 5835 Kimbark Ave, Chicago, Ill. 60637.
- NEUHAUSER, DR. JOHN J, b. New York, N.Y., Apr. 7, 43; m. 65; c. 2. MANAGEMENT SCIENCE, OPERATIONS RESEARCH. B.S. Manhattan Col, 64; M.S. Rensselaer Polytech. Inst., 65, Ph.D. (opers. res.), 68. Res. assoc. ops. res. Rensselaer Res. Corp., 66-68; admin. comput. & info. systs. Rensselaer Polytech. Inst., 68-69; ASST. PROF. MGT. & COMPUT. SCI. & DR. COMPUT. PLANNING, BOSTON COL., 69- Instr. Mgt. Sci.; Statist. Asn. Application of management science techniques in university administration, particularly the design of information systems. Address: Dept. of Management & Computer Science, Boston College, Chestnut Hill, Mass. 02167.
- NEUMANN, CHARLES WILLIAM, S.M. Theology, Philosophy. See 5th ed, Dir. Am. Scholars, Vol. IV, Philos., Relig. & Law.
- NEUMANN, DR. EDWARD SCHREIBER, b. Harvey, Ill., Mar. 6, 42; m. 69. ENVIRONMENTAL HEALTH PLANNING. B.S. Michigan Tech, 64; M.S. Northwestern, 67, Ph.D. (civil eng), 69. ASST. ADJ. PROF. ENG. & STATIST. GRAD. CENTER EXTN. MISS. STATE, 68- MIL. ASST. ENVIRON. RES. WATERWAYS EXTN. U.S. ARMY CORP. ENG., 69- C. Engr. U.S.A., 67-71, Capt. AAAS. Perception of environmental quality; modeling of ecological relationships as they pertain to pollution problems. Address: 940 Holbrook Rd, Apt. 28-C, Homewood, Ill. 60430.
- NEUMANN, DR. HARRY. Political Philosophy, Ethics. See 5th ed, Dir. Am. Scholars, Vol. IV, Philos., Relig. & Law.
- NEUMANN, DR. ROBERT G(ERHARD). Political Science. See L-Z Vol, 11th ed, Soc. & Behav. Vols. New position: Ambassador, Afghanistan, 67- Address: KABUL, Dept. of State, Washington, D.C. 20521.
- NEUMEYER, DR. MARTIN H(ENRY). Sociology. See L-Z Vol, 11th ed, Soc. & Behav. Vols. New information: Ed. Sociol. & Soc. Res. Address: University of Southern California, University Park, Los Angeles, Calif. 90007.
- NEUWIRTH, SIDNEY I. Operations Analysis. See L-Z Vol, 11th ed, Soc. & Behav. Vols. New position: Mgr. ops. res. Post-Marwick Mitchell & Co, 68- Address: 26 Gulf Rd, East Brunswick, N.J. 08816.
- NEVEU, DR. RAYMOND PHILIP, b. Woonsocket, R.I., Sept. 28, 38; m. 61; c. 4. BUSINESS ADMINISTRATION. A.B. Providence Col, 59; M.A. Boston Col, 61; fel. Pittsburgh, 63, Ph.D. (bus. admin), 68. Instr. bus. admin. Point Park Col, 63-65, asst. prof. bus. admin. Indiana State, 65-68; FINANCE, CINCINNATI, 68-70, ASSOC. PROF. 70-, univ. res. grant, 69-71. U.S.A.R. 60-68. Econ. Asn; Inst. Decision Sci. Financial management; commercial bank management; quantitative methods in finance; computer science and financial management; computerization of accounting and finance pedagogies. Publ: Co-auth. Computerized accounting: level I, Indiana State Univ, 68; auth. Commercial bank risk behavior: some research problems, Ind. Acad. Sci, 68; co-auth. COMPACT: the use of computer science to improve accounting pedagogy. Decision Sci, 70. Address: College of Business Administration, University of Cincinnati, Cincinnati, Ohio 45221.
- NEVILLE, DR. DONALD D(EAN). Psychology, Education. See L-Z Vol, 11th ed, Soc. & Behav. Vols. New position: Prof. ed. & psychol, George Peabody College for Teachers, Nashville, Tenn. 37203.
- NEVINS, DR. ARTHUR JAMES, b. New York, N.Y., Sept. 22, 37; m. 60; c. 2. ECONOMICS, COMPUTING SCIENCE. B.S. Michigan, 59; M.S. 59; M.A. Rochester, 62, Ph.D. (econ), 65. Fel. Carnegie Inst. Tech, 64-65; sr. scientist, logistics res. proj. GEORGE WASHINGTON, 65-69, SR. STAFF SCIENTIST, INST. MGT. SCI., 69- Artificial intelligence. Publ: Some effects of uncertainty: simulation of a model of price, Quart. J. Econ., 2/66 & A programming language with automatic goal generation and selection, J. Asn. Comput. Mach., 4/70. Address: Institute for Management Science & Engineering, George Washington University, Washington, D.C. 20037.
- NEW, DR. PETER KONG-MING. Sociology. See L-Z Vol, 11th ed, Soc. & Behav. Vols. Change of address: Penzance Rd, Rockport, Mass. 01966.
- NEWBROUGH, DR. JOHNN (ROBERT). Psychology. See L-Z Vol, 11th ed, Soc. & Behav. Vols. Change of address: George Peabody College, Box 40, Nashville, Tenn. 37203.
- NEWCOMBE, DR. ALAN G, b. Hamilton, Ont., Mar. 9, 23; m. 46; c. 3. PEACE RESEARCH, ORGANIC CHEMISTRY. B.A. McMaster, 45; M.A. Toronto, 47, Ph.D. (org. chem), 50. Fel. phospholipid synthesis, Banting Inst, Toronto,

- 49-51; res. assoc. lignin chem. Ont. Res. Found. 51-55; res. dir. textile chem. Porritt & Spencer Can/Ltd, 55-63; CO-ED. PEACE RES. CAN. PEACE RES. INST. 63. Peace Res. Soc. (Int); Can. Peace Res. & Ed. Assn. Peace research and social science documentation; measurement of tension between nations as revealed by military expenditures; response sequences between nations, groups or individuals. Publ: Co-auth, Peace research around the world, Can. Peace Res. Inst. 69; auth, Initiatives and responses in foreign policy, Peace Res. Reviews J. 6/69 & Towards the development of an inter-nation tensiometer, Papers Peace Res. Soc. (Int), Copenhagen, 69. Address: 25 Dundana Ave, Dundas, Ont, Can.
- NEWCOMER, PROF. HALE A. International Business, Marketing. See L-Z Vol. 11th ed, Soc. & Behav. Vols. New position & address: Prof. bus. admin. 68-, Division of Marketing, School of Business, North Texas State University, Denton, Tex. 76201.
- NEWCOMER, PROF. HALE L (LOYD). Accounting. See 11th ed, Soc. & Behav. Vols, deceased 69.
- NEWELL, PROF. BARBARA WARNE. Labor Economics. See L-Z Vol. 11th ed, Soc. & Behav. Vols. New information: Also acting v. pres. student affairs, 68-. University of Michigan, 1011 Student Activities Bldg, Ann Arbor, Mich. 48104.
- NEWELL, DR. CHARLDEAN, b. Ft. Worth, Tex. Oct. 14, 39. POLITICAL SCIENCE. B.A. North Texas State, 60. M.A. 62, Ph.D. 64 (Int. Sci.), Texas, Austin, 68. Instr. GOVT. NORTH TEXAS STATE, 65-68. ASST. PROF. 68-, faculty res. grant. 69-70. Faculty coordinator, continuing ed. prog. Asn. City Personnel & Civil Serv. Off. Tex. 69-; ed. consult. & lectr. new careers prog. Dallas Co. Community Action Coun. War on Poverty, summer 69. Soc. Pub. Admin. Polit. Sci. Asn. Publ. County representation and legislative reapportionment, Inst. Pub. Affairs, Univ. Texas, 66; Texas urban government: some recent developments, Pub. Affairs Comment, 5/64 & In: Governing Texas: documents and readings, Crowell, 66; Texas metropolitan areas: prospects for governmental reorganization. In: Governing Texas: documents and readings, Crowell, 2nd ed, 70. Address: Box 5367, North Texas Station, North Texas State University, Denton, Tex. 76203.
- NEWMAN, DR. CHARLES L. Criminology. See L-Z Vol. 11th ed, Soc. & Behav. Vols. New information: D.P.A. New York Univ. 69. Address: Center for Law Enforcement & Corrections, Pennsylvania State University, University Park, Pa. 16802.
- NEWMAN, DR. DOROTHY K (RALL). Sociology. See L-Z Vol. 11th ed, Soc. & Behav. Vols. New position: Res. dir. Nat. Urban League, 69-. Address: 3508 Woodbine St, Chevy Chase, Md. 20015.
- NEWMAN, DR. EARL NELSON, b. Henryetta, Okla. Jan. 17, 27. PSYCHOLOGY. B.S. Okla. State, 49. M.S. 50; Ed.D. (ed. psychol.), 57; Baylor, 58; Nat. Sci. Found. grant. Fla. State, 59; Iowa State Teachers Col, 61; Tulsa, 65, 66. Teacher high sch, Okla. 50-66; asst. prof. PSYCHOL. CENT. STATE COL. (OKLA.) 66-69. ASSOC. PROF. 69-. Vis. prof. Carson-Newman Col, 60; prof. State Col. Ark. 66, 68, consult. faculty workshop, 67. Psychol. consult. Kingfisher County Sch. 67-68. U.S.A. 45-46. AAAS; Psychol. Asn. Developmental and educational psychology; counseling. Publ: Let your high school science department help you, Eighth Yearbook Elem. Sch. Adminstrs, Okla. Ed. Assn. 56; The teacher corps-a report of progress, Okla. Teacher, 2/68 & Personality factors in athletics, Res. Quart, 12/68. Address: Dept. of Psychology, Box 10, Central State College, Edmond, Okla. 73034.
- NEWMAN, DR. EDWIN B (ROOMELL). Experimental Psychology. See L-Z Vol. 11th ed, Soc. & Behav. Vols. New position: Prof. psychol. 69-, Harvard University, 770 William James Hall, Cambridge, Mass. 02138.
- NEWMAN, PROF. FRANK C (ECIL). Law. See 5th ed, Dir. Am. Scholars, Vol. IV, Philos. Relig. & Law.
- NEWMAN, DR. FREDERICK L. Psychology. See L-Z Vol. 11th ed, Soc. & Behav. Vols. New position & address: Assoc. prof. 69-, Dept. of Psychology, Box 8185, University of Miami, Coral Gables, Fla. 33124.
- NEWMAN, PROF. HERBERT E (LLIS). Economics. See L-Z Vol. 11th ed, Soc. & Behav. Vols. New information: Also chmn. 69-, Dept. of Economics & Sociology, Hood College, Frederick, Md. 21701.
- NEWMAN, DR. JOSEPH. Clinical Psychology. See L-Z Vol. 11th ed, Soc. & Behav. Vols. New information: Also chmn. 69-, Dept. of Special Education & Rehabilitation, University of Pittsburgh, Pittsburgh, Pa. 15213.
- NEWMAN, PAUL HAROLD. Industrial Engineering. See L-Z Vol. 11th ed, Soc. & Behav. Vols. New position: Sys. specialist & proj. head. 69-, System Development Corp, 2315 E. Pikes Peak Ave, Colorado Springs, Colo. 80909.
- NEWMAN, PROF. ROBERT (PIRESTON). Speech, Communications. See 5th ed, Dir. Am. Scholars, Vol. I, Hist.
- NEWMAN, DR. RUTH E (INSIDLER). Social & Clinical Psychology. See L-Z Vol. 11th ed, Soc. & Behav. Vols. New information: Staff psychologist, Comprehensive Community Ment. Health Center, Meadowbrook Hosp, 69-. Address: 250 Woodside Ave, Ridgewood, N.J. 07450.
- NEWMAN, DR. SIDNEY H (AROLD). Psychology. See L-Z Vol. 11th ed, Soc. & Behav. Vols. New position: Behav. scientist adminstr. pop. & res. grants br. 68-, Center for Population Research, National Institute of Child Health & Human Development, Bldg. 12A, 3055 Bethesda, Md. 20014.
- NEWSOM, DR. ROBERT TAYLOR, b. Coleman, Tex. Feb. 9, 37; m. 61; c. 2. ECONOMICS. B.A. Texas, 59; Nat. Defense Ed. Act fel, Tulane, 59-62, Ph.D. (econ). 66. Lectr. econ. hist. McGill, 62-63; asst. prof. econ. LA. STATE, NEW ORLEANS, 66-68, assoc. dir. DIV. BUS. & ECON. RES. 68-69, DIR. 69-. U.S.A. 63-65, 1st Lt. Econ. Asn; Econ. Hist. Asn; Brit. Econ. Hist. Soc. Regional economics; employment changes and structure by sub-areas. Publ: Metropolitan and nonmetropolitan employment changes, Soc. Sci. Quart, 9/69. Address: 8313 Polana St, New Orleans, La. 70118.
- NEWTON, DR. JOSEPH EMORY O'NEAL. Psychiatry, Psychophysics. See L-Z Vol. 11th ed, Soc. & Behav. Vols. New position & address: Res. physiologist, 68-, Neuropsychiatric Research Lab, Veterans Administration Hospital, North Little Rock, Ark. 72114.
- NEWTON, DR. NILES. Psychology. See L-Z Vol. 11th ed, Soc. & Behav. Vols. New position: Assoc. prof. neurol. & psychiat. 68-, Division of Psychology, Northwestern University Medical School, 303 E. Chicago Ave, Chicago, Ill. 60611.
- NEWTON, DR. ROBERT EDWARD. Political Science, Public Law. See L-Z Vol. 11th ed, Soc. & Behav. Vols. New position & address: State Rep. 69-, Iowa House of Representatives, Statehouse, Des Moines, Iowa 50319.
- NEYER, PROF. JOSEPH. Philosophy. See 5th ed, Dir. Am. Scholars, Vol. IV, Philos. Relig. & Law.
- NICHOL, DR. HAMISH. Psychiatry. See Suppl. V to 11th ed, Phys. & Biol. Vols.
- NICHOLAS, DR. RALPH WALLACE, b. Dallas, Tex. Nov. 28, 34; m. 63. ANTHROPOLOGY. A.B. Wayne State, 57; Lichterstein Fund grant, M.I. Chicago, 58, Cmt. South. Asian Studies fel. 58-59, Ford Found. Foreign Area Training fels. 59-60, 61 & 62, Ph.D. (anthrop). 62. Teaching asst. ANTHROP. Chicago, 58-59; vis. res. fel. Sch. Oriental & African Studies, London, 62-63; asst. prof. Portland State Col, 63-64; MICH. STATE, 64-66, asst. prof. 66-69, PROF. 69-. CHMN. CMT. SOUTH ASIAN STUDIES, ASIAN STUDIES CENTER, 68-. Summers, temporary asst. prof. Mich. State Univ. 63, vis. assoc. prof. Univ. Chicago, 66. Consult. U.S. Dept. Labor & Agency Int. Develop. Int. Manpower Inst. 67. Mem. panel on South Asia, Cmt. Instnl. Coop. 66-; lectr. Va. Asian Studies Consortium, 67; co-dir. Inter-Univ. rotating summer prog. in South Asian Studies. 68. Fel. Anthropol. Asn; Asn. Asian Studies; fel. Royal Anthropol. Inst. Gt. Brit. & Ireland. Social organization, with emphasis on political, economic and religious organization of communities in rural India, particularly Bengal. Publ: Factions: a comparative analysis. In: Political systems and the distribution of power, Praeger, 65; Ritual hierarchy and social relations in rural Bengal, Contrib. Indian Sociol. 67; Structure of politics in the villages of Southern Asia. In: Structure and change in Indian society, Aldine, 68. Address: Dept. of Anthropology, Michigan State University, East Lansing, Mich. 48823.
- NICHOLS, DR. BYRON A. b. Los Angeles, Calif. Dec. 19, 42; m. 66. POLITICAL SCIENCE. A.B. Occidental Col. 64; M.A. Hopkins, 66; Woodrow Wilson & Danforth fels. & Ph.D. (int. rels). 69. Instr. POLIT. SCI. UNION COL. (N.Y.) 68-69, ASST. PROF. 69-. Polit. Sci. Asn. Comparative politics and political development as they apply to Latin America. Address: Dept. of Political Science, Union College, Schenectady, N.Y. 12308.
- NICHOLS, DR. DAVID (ANTHONY). Political Science. See L-Z Vol. 11th ed, Soc. & Behav. Vols. New position & address: Asst. prof. 69-, Dept. of Interdisciplinary Studies in Social Science, Case Western Reserve University, Cleveland, Ohio 44106.
- NICHOLS, PROF. JOHN R (ICHARD). Experimental Psychology. See L-Z Vol. 11th ed, Soc. & Behav. Vols. New position & address: Prof. 68-, Pennsylvania State University, Capitol Campus, Middletown, Pa. 17057.
- NICHOLS, DR. ROBERT C (OSBY). Psychology. See L-Z Vol. 11th ed, Soc. & Behav. Vols. New position & address: Prof. & chmn. 68-, Dept. of Educational Psychology, State University of New York at Buffalo, Buffalo, N.Y. 14214.
- NICHOLS, DR. WILLIAM CURTIS, JR. b. Fayette, Ala. Apr. 16, 29; m. 54; c. 3. PSYCHOLOGY, SOCIOLOGY. A.B. Alabama, 53; Ed.D. (family), Columbia, 60. Asst. prof. sociol. Alabama, Birmingham, 60-63; prof. Samford, 63-65; mem. faculty psychotherapy, Merrill-Palmer Inst. 65-69; ASSOC. DIR. ADV. BEHAV. SCI. CENTER, 69-. Fel. Merrill-Palmer Inst. 63-64; summer, Nat. Sci. Found. fel. Colorado, 63. Private practice, 69-. Ed. Family Coordinator & Quart. J. Nat. Coun. on Family Relts. 70-72. C.Eng. U.S.A. 48-49. AAAS; Psychol. Asn; Sociol. Asn; Asn. Marriage Coun. Psychotherapy; marriage and the family; personality. Publ: Co-auth, Psychotherapy with teenagers, J. Marriage and the Family, 5/65; auth, Personal psychotherapy for the marital therapist, 4/68 & co-auth, Family problems in upgrading the home, 4/69, Family Coordinator. Address: 1321 Yorkshire Rd, Grosse Pointe Park, Mich. 48230.
- NICHOLSON, PROF. NORMAN L (EON). Geography. See L-Z Vol. 11th ed, Soc. & Behav. Vols. New information: No longer dean univ. col. 63, Dept. of Geography, University of Western Ontario, London 7, Ont, Can.
- NICKERSON, DR. RAYMOND STEPHEN, b. Bangor, Maine, Nov. 5, 31; m. 53; c. 4. EXPERIMENTAL PSYCHOLOGY. B.A. Barrington Col, 54; M.A. Maine, 59; Ph.D. (exp. psychol), Tufts, 65. Res. psychologist, Decision Sci. Lab, U.S. Air Force, 58-66; sr. scientist, BOLT BERANEK & NEWMAN, INC. 66-69, DIR. BEHAV. SCI. DIV. 69-. Lectr. part-time, Northeastern, 65-66, Tufts, 68-. Consult. ed. J. Exp. Psychol. 69. Mem. bd. trustees, Barrington Col, 69-. U.S.A. 55-57. Psychol. Asn. Asn. Comput. Mach. Psychonomic Soc. Reaction time; memory; information processing; man-computer interaction. Publ: Expectancy, waiting time and the psychological refractory period. In: Attention and performance, North Holland, Pub. 67. Categorization time with categories defined by disjunctions and conjunctions of stimulus attributes. In: Information processing approaches to visual perception, Rinehart & Winston, Inc. 69; Man-computer interaction: a challenge for human factors research, Ergonomics, 12: 501-517, Man-Machine Sys., Vol. 10, No. 4. Address: 5 Gleason Rd, Bedford, Mass. 01730.
- NICKLEY, BRADLEY BAER, b. York, Pa. Feb. 11, 31; m. 56; c. 2. MANAGEMENT SCIENCES, SYSTEMS ANALYSIS. B.S. Eng. San Diego State Col, 61, M.S.B.A., 66. Indust. engr. Utah Div. Kennecott Copper Corp, 60; indust. eng. analyst, Ryan Aeronaut. Co. 60-61; indust. engr. mgmt. eng. div, Norton

- Air Force Base, 61-62, *supr. indust. engr. data serv. div.*, 62-63; *proj. dir. personnel systs. res. dept.*, U.S. Navy Personnel Res. Activity, 63-66; *gen. engr.*, Corona Labs, U.S. Navy Weapons Center, 66-68; *OPERS. RES. ANALYST, FOREST FIRE LAB, U.S. FOREST SERV.*, 68- Consult, Corona Labs, U.S. Navy Weapons Center, 68. *Inst. Mgt. Sci.*, *Inst. Indust. Eng.*, *Statist. Asn.* Analysis and design of commercial, military and governmental man-machine systems; formulation and manipulation of analytic models of tactical weapons; personnel and planning systems. *Publ.* Co-auth, Analysis of navy enlisted personnel retention variables, *PRASD Res. Report*, 4/65; *auth.*, Effects of ARM on the illumination-engagement envelop of Mod 1 Guideline Missile, 9/67 & Examination of the potential use of the standard ARM Mod 0 system in Southeast Asia, 11/67, Corona Labs, U.S. Navy Weapons Center. Address: Forest Fire Laboratory, 4955 Canyon Crest Dr, Riverside, Calif. 92507.
- NIEDZIELSKI, DR. HENRI. Romance Languages, Linguistics. See 5th ed, *Nat. Asn. Scholars*, Vol. III, For. Lang. Ling. & Philol.
- NIEHOFF, DR. PETER H. b. Knoxville, Tenn., May 22, 39; m. 67; c. 1. ECO-NOMICS. B.A., Lawrence, 62; M.A., Illinois, 63; B.A., Mich. State, 66; Ph.D. (econ), Nebraska, 69. *Instr.* ECON, *Col. Col.*, 63-64; *Western Michigan*, 67; Nebraska, 68-69; *ASST. PROF. DENVER*, 69- *Lectr.* *Col. Tax Cmn.*, 70; *Shell Oil Co.*, grant, 70. *Consult.* *Mt. Bell Tel. Co.*, 69; *State Planning Bd.*, Colo., 69- *Econ. Asn.* Applications of network analysis to economics; *econometrics*. Address: Dept. of Economics, University of Denver College of Business Administration, Denver, Colo. 80210.
- NIELSEN, PROF. AKSEL E. VALD. Economics. See L-Z Vol, 11th ed, *Soc. & Behav. Vols.* Change of address: Dept. of Economics, Garner-Webb College, Boiling Springs, N.C. 28017.
- NIELSEN, DR. WINNIFRED (MOON), b. Key West, Fla., Aug. 16, 17; m. 37, 44; c. 3. PSYCHOLOGY. B.A., Florida, 58; M.A., 60, Ph.D. (psychol), 62. *Res. asst.*, *parapsychol. lab.*, Duke, 54-55, *res. fel.*, 55-56, *fel.*, 63-64; *asst. prof. psychol.*, Mary Washington Col., Virginia, 62-63; *trainee clin. psychol.*, *Vet. Admin.*, 64-65; *state psychologist*, N.C. Div. *Co. Rehab.*, 55-66, *state res. psychologist & consult.*, 66-69; *RES. ASSOC.*, *INST. PARAPSYCHOL.*, 69- *AAAS; Psychol. Asn.* Parapsychol. *Asn.* Aptitudes as intrinsic motives; the incubation effect in problem-solving; the role of stimulus materials, cognitive characteristics, and affective states in extrasensory perception and in learning; *group extrasensory perception effects*. *Publ.* Co-auth, The graduate record examination and selection of graduate students. *Am. Psychologist*, 10/61. Consistency of relationship between ESP and emotional variables, 6/65 & *auth.*, Studies in group effects: I. Mood, personality characteristics, and group target, 6/70, *J. Parapsychol.* Address: P.O. Box 642, St. Mary's Rd, Hillsborough, N.C. 27278.
- NIELSON, DR. MELVIN (ANDREW), b. Salt Lake City, Utah, May 14, 25; m. 50; c. 6. SPEECH PATHOLOGY. B.S., Utah, 42; M.S., 54, Ph.D. (speech path), 67; *Off. Voc. Rehab.*, *trainee*, Iowa, summers 63 & 64. *Res. asst.*, *speech sci.*, *col. med.*, Utah, 54-55; *dir. speech & hearing dept.*, *Primary Children's Hosp.*, Salt Lake City, Utah, 55-64; *DIR. AUDIOL. & RES.*, *UTAH STATE SCHS. FOR DEAF & BLIND*, 64- *Clin. instr.*, *Univ. Utah*, 56-62; *Consult.*, *deph. phys. med.*, *Latter-day Saints Hosp.*, Salt Lake City, Utah, 56-62; *audiologist*, *col. med.*, *Ed. Lake*, 62-63; *Asst. Dir.*, *Utah State Sch. of Speech & Hearing Assn.* Bulbar polio speech problems; classroom achievement and degree of hearing loss; amplification systems used in schools for the deaf. *Publ.* Co-auth, Mechanisms of disability of speech resulting from poliomyelitis, *Annals of Otol, Rhinology & Laryngol.*, 3/57, *Studies of the pharynx*, *J. Pediat.*, 6/57 & *An experimental comparison of group amplification systems*, *Utah Schs. for Deaf & Blind*, Ogden. Address: 680 E. Oaklane Circle, Kaysville, Utah 84037.
- NIEMIEC, DR. LEON JOSEPH. Health Science Administration. See L-Z Vol, 11th ed, *Soc. & Behav. Vols.* New position: *Exec. secy.*, *dent. training cmt.*, *Nat. Inst. Dent. Res.*, 69- Address: 4411 Westbrook Lane, Kensington, Md. 20795.
- NIEVES-FALCON, DR. LUIS, b. Bayamon, P.R., Dec. 29, 29; m. 61. SOCIOLOGY. B.A., Puerto Rico, 50; M.A., N.Y. Univ., 55; Ph.D. (sociol), London, 63. *Instr.* *sociol.*, *ed.*, *Puerto Rico*, 55-60, *asst. prof.*, 60-63, *dir. ed. res. center*, 63-65, *dir. curriculum dev.*, *Commonwealth Dept.*, Ed. 65-66; *assoc. prof. sociol.*, *PUERTO RICO, SAN JUAN*, 66-67, *DIR. SOC. SCI. RES. CENTER*, 67- *Consult.*, *P.R. Forum*, *Aspira*, 66-66; *Secy.*, *Ed. Commonwealth P.R.*, 64-68. *Fel. AAAS; fel. Sociol. Asn.* Social mobility; educational institutions; occupational structure; poverty and dependence. *Publ.* Recruitment of higher education in Puerto Rico, *Editorial Universitaria*, 65, *Inventario de investigaciones sobre el nivel puertorriqueño*, *Educación y Acción comunal y educación pre-escolar*, *Editorial Ed.*, 70. Address: 1503 Ashford Ave., Apt. 12-C, Santurce, P.R. 00908.
- NIGRO, PROF. FELIX ANTHONY. Public Administration. See L-Z Vol, 11th ed, *Soc. & Behav. Vols.* New position & address: *Prof.*, *Dept. of Political Science*, University of Georgia, 106 Le Conte Hall, Athens, Ga. 30601.
- NIJIM, DR. BASHIER K(HALIL), b. Tulkarm, Palestine, Sept. 13, 36; U.S. citizen; m. 66; c. 1. GEOGRAPHY. B.A., Augustana Col. (Ill.), 57; Hopkins, 57-58; Harvard, summer 59; M.A., Indiana, 59, Ph.D. (geog), 69. *Asst. prof. GEOG.*, *NORTHERN IOWA*, 62-69, *ASSOC. PROF.*, 69- *HEAD DEPT.* 70-, *acting head dept.*, 69-70. *Vis. asst. prof.*, *American Univ.*, Beirut, 66-67. *Consult.*, *Atlas of Bible Lands*, *World Pub. Co.*, 66- *AAAS; Asn. Am. Geog.*, *Am. Geog. Soc.*, *Nat. Coun. Geog.*, *Ed. Mid. East Inst.*, *Mid. East Studies Asn.*, *N. Am. Political Geography*; factors in conflict potential and conflict resolution; international riparian regulation. *Publ.* The geography of a state, *Univ. of Iowa Geogr.*, 10/67 & *Israel and the potential for conflict*, *Prinl. Geogr.*, 9/69. Address: Dept. of Geography, University of Northern Iowa, Cedar Falls, Iowa 50613.
- NIKIAS, DR. MATA KOUVARI, b. Athens, Greece, Jan. 22, 31; U.S. citizen; m. 60; c. 2. SOCIAL SCIENCES, DENTISTRY. *Dr. dent. surg.*, Athens, 53; M.S., Columbia, 60, Ph.D. (sociomed. sci.), 67. *Res. clin. dent.*, *Sotiria Hosp.*, Athens, Greece, 53-56; *fel.*, *Eastman Dent. Dispensary*, Rochester, N.Y. 57-58; *trainee epidemiol. & admin. med. sch. pub. health*, Columbia, 61-63; *assoc. proj. dir. dent. care res.*, *Group Health Ins.*, 64-67; *ASST. PROF. SOC. CIOMED. SCI.*, *SCH. PUB. HEALTH & ADMIN. MED.*, COLUMBIA, 68- *Brit. Coun. scholar*, *Liverpool & London*, Eng., 56-57; *co-dir. sociol. res.*, *training proj.*, *U.S. Pub. Health Serv.*, grant award, 68- *Pub. Health Asn.*, *N.Y. Acad. Sci.* Medical and dental care delivery and utilization; sociomedical and sociodental research methodology; social factors in health and health care. *Publ.* Co-auth, Insured dental care, *Group Health Ins.*, 67; *auth.*, Social class and the use of dental care under prepayment, *Med. Care*, 68; *Prepaid dental care: patterns of use and source of premium payments*, *Am. J. Pub. Health*, 69. Address: 170-04 Highland Ave., Jamaica, N.Y. 11432.
- NIKOLOFF, PROF. OLIVER MUMFORD, b. Cincinnati, Ohio, Apr. 7, 26; m. 51; c. 1. PSYCHOLOGY. B.A., Cincinnati, 49, B.S. Ed. 51; M.S., Xavier (Ohio), 54, *tel.*, *Syracuse*, 58-57, Ph.D. (psychol), 63. *Teacher-counselor*, *sr. high sch.*, Ohio, 50-56; *counseling psychologist*, *Vet. Admin.*, 57-58; *sch. psychologist*, *Bd. Coop. Ed. Serv.*, N.Y. 58-61; *PROF. spec. ed.*, *State Univ. N.Y. Col. Buffalo*, 61-66; *ED. PSYCHOL.*, *STATE UNIV. N.Y. ALBANY*, 66- *Consult.*, *psychologist*, *Bd. Coop. Ed. Serv.*, N.Y. 61-66; *consult.*, *Albany Learning Disabilities Center*, 66-68; *N.Y. State Ed. Dept.*, 68-; *Rockland State Hosp.*, 68- *U.S.A.*, 43-45. *Psychol. Asn.*, *Ed. Res. Asn.*, *Coun. Except. Children.* Education of emotionally disturbed children; learning in early childhood. Address: 5 Roberts Lane, Saratoga Springs, N.Y. 12866.
- NDMAN, DR. JUDITH GARRETTSON, b. St. Louis, Mo., Apr. 4, 43; m. 69. *BA*, *Vassar Col.*, 65; *MA*, *Univ. of Chicago*, 68; *Ph.D.*, *Univ. of Chicago*, 68; *Patterson fel.*, 68-67, *Nat. Defense Ed. Act fel.*, 67-69, *Ph.D. (devel. psychol.)*, 69. *Lectr.* *ED. FOUND.*, *HUNTER COL.*, 68-69; *ASST. PROF.*, 69- *Devel. of classification skills in elementary school children; meaning of reliability in tests of cognitive development; children's cognitive styles, especially as related to intelligence; what factors make words difficult.* *Publ.* Cognitive style and logical thinking, *J. Genetic Psychol.* (in press). Address: Dept. of Educational Foundations, Hunter College, 695 Park Ave., New York, N.Y. 10021.
- NIMMER, PROF. MELVILLE BERNARD. Copyright Law, Constitutional Law. See 5th ed, *Dir. Asn. Scholars*, Vol. IV, Philos. Relig. & Law.
- NISH, PROF. WILLIAM W(ALTER). Psychology. See L-Z Vol, 11th ed, *Soc. & Behav. Vols.* New position & address: *Cmn.*, 70-, *Dept. of Psychology*, Georgia College at Milledgeville, Milledgeville, Ga. 31061.
- NISS, DR. JAMES F. b. Genoa, Ill., Nov. 7, 33; m. 62; c. 2. ECONOMICS. B.S., Illinois, 55, M.A., 63, Ph.D. (econ), 65. *Asst. prof.* *ECON.*, *Illinois, Chicago Circle*, 65-69; *ASSOC. PROF.*, *WESTERN ILLINOIS*, 69- *Bd. mem.*, *Ill. Coun. Econ. Ed.*, 68. *U.S.N.*, 55-57. *Econ. Asn.* American economic growth; economic education. *Publ.* Co-auth, Custom production and the ideal transaction, *Land Econ.*, 68; *auth.*, The effect of bidding procedures on profit and sales, *J. Purchasing education*, *Ill. Econ. Ill. Sch. Res.*, 69. Address: Dept. of Economics, Western Illinois University, Macomb, Ill. 61455.
- NISSENSEN, DR. MARC. Psychology. See L-Z Vol, 11th ed, *Soc. & Behav. Vols.* New information: *Clin. psychologist*, 68- *consult.*, *ed. develop. center*, *New York Univ. High Sch. Winesap & Div.*, *Clinton Sch.*, *Cook County, Ill.* Address: 965 Princeton Ave., Highland Park, Ill. 60035.
- NITSCH, PROF. THOMAS OTTO. Economics. See L-Z Vol, 11th ed, *Soc. & Behav. Vols.* New position: *Prof. econ.*, 69-, *Dept. of Economics & Finance*, Creighton University, Omaha, Nebr. 68131.
- NIXON, DR. JOHN WAYNE, b. Mt. Airy, N.C., Aug. 1, 37; m. 60; c. 2. AGRICULTURAL ECONOMICS. B.S., Berea Col., 59; M.S., N.C. State, 62; Ph.D. (agr. econ), Mich. State, 69. *Res. asst.*, *N.C. State*, 59-62, *res. assoc.* *domestic develop.*, 62-64; *res. asst.*, *Mich. State*, 64-68, *ASST. PROF. AGR. ECON. & RESOURCE ECON.*, *GEORGIA*, 68- *Agr. Econ. Asn.* *Econ. Asn.* Resource economics, especially labor underemployment, individual earnings and human resource adjustment potential; teaching natural resource economics and policy. *Publ.* Co-auth, Optimum market age and weight of broilers, *N.C. State Exp. Sta.*, 65 & Characteristics and problems of peanut marketing, *Ga. Exp. Sta.*, 69. Address: Dept. of Agricultural Economics, University of Georgia, Athens, Ga. 30601.
- NIYEKAWA-HOWARD, DR. AGNES (MITSUE). Psycholinguistics, Social Psychology. See L-Z Vol, 11th ed, *Soc. & Behav. Vols.* New position: *Sr. specialist*, 69-, *Institute of Advanced Projects*, East-West Center, 1777 East West Rd, Honolulu, Hawaii 96822.
- NOBLE, PROF. CLYDE E(VERETT). Psychology. See L-Z Vol, 11th ed, *Soc. & Behav. Vols.* New publ: Outline of psychological measurement, *Univ. Georgia*, 69; Principles of skill acquisition, *Academic*, 69. Address: Dept. of Psychology, University of Georgia, Athens, Ga. 30601.
- NOBLE, ROBERT VERNON. See Suppl. V to 11th ed, *Phys. & Biol. Vols.*
- NOBLE, DR. WILLIAM CHARLES, b. Toronto, Ont., May 1, 41; m. 66; c. 2. ANTHROPOLOGY. B.A., Toronto, 64; *Imp. Oil fel.*, *Calgary*, 66, *Coun. fel.*, 67-68, *Ph.D. (archaeol.)*, 68. *Lectr.* *ANTHROP.*, *McMaster*, 68-69, *ASST. PROF.*, 69- *Soc. Am. Archaeol.*, *Arctic Inst. N. Am.*, *Am. Archaeol. Asn.* Sub-arctic boreal forest archaeology; Iroquois archaeology and ethnohistory. *Publ.* The excavation and historical identification of Rocky Mountain House, *Nat. Hist. Sites*, *Ottawa*, 70; *Some social implications of the Iroquois in situ theory*, *Am. Archaeol.*, 69. Address: Dept. of Anthropology, McMaster University, Hamilton, Ont., Can.
- NOBLIN, DR. CHARLES DONALD. Psychology. See L-Z Vol, 11th ed, *Soc. & Behav. Vols.* New position & address: *Prof.*, 69-, *Dept. of Psychology*, Virginia Commonwealth University, Richmond, Va. 23220.
- NOGEE, DR. PHILIP. Psychology. See L-Z Vol, 11th ed, *Soc. & Behav. Vols.* New information: Independent consult. psychologist, 68- Address: 1035A Beacon St, Brookline, Mass. 02146.

- NOLFI, DR. GEORGE JOSEPH, JR. b. Boston, Mass., June 3, 41; m. c. 1. ORGANIC CHEMISTRY, PUBLIC ADMINISTRATION. B.S. California, Berkeley, 62; Nat. Sci. Found. fel. Mass. Inst. Tech., 62-65; Ph.D. (org. chem.), 65; Admin. fel. Harvard, 65-67; M.P.A., 67. Summers, engr. Bur. Sanit. Dept. Pub. Works, Calif., 59 & 60, res. chemist, Don Baxter, Inc., 61, res. center, Union Oil Co., 62 & budget exam., U.S. Bur. Budget, Exec. Off. President, Wash. D.C., 66; consult. pub. admin. Harbridge House, Inc., Mass., 67-68; soc. scientist, ABT ASSOC., INC., 68, DEPUTY MGR. RES. & DEVELOP. PLANNING & TECH. FORECASTING, 68- AAAS; Chem. Soc.; Soc. Pub. Admin.; Inst. Biol. Sci. Consulting and research on planning, forecasting and management of research and development for government and industrial clients; study of the impact of science and technology on public policy and social change. Publ.: Radical anions of adamantanone and hexamethylenetetramine, *J. Am. Chem. Soc.*, 85: 3707; Electron spin resonance studies of organic free radical species, *M.I.T.*, 10/65; On the status of aliphatic radical anions, *Tetrahedron Letters*, 34: 4063. Address: ABT Associates, Inc., 55 Wheeler St., Cambridge, Mass. 02138.
- NOLL, DR. ROGER GORDON, b. Monterey Park, Calif., Mar. 13, 40; m. 62; c. 1. ECONOMICS. B.S. Calif. Inst. Tech., 62; A.M., Harvard, 65. Ph.D. (econ), 67. Instr. ECON. CALIF. INST. TECH., 65-67; asst. prof., 67-69, ASSOC. PROF., 69- Sr. economist, Coun. Econ. Adv., 67-69; sr. fel. Brookings Inst., 70-71. Consult. Ford Found., 68-69; consult. economist, Jet Propulsion Lab., 69. Econ. Assn. Urban affairs and poverty; economic theories of political behavior; regulated industries; environmental problems; micro-economic theory. Publ.: Urban concentration: prospects and implications, *Farm Found.*, 69; Metropolitan employment and population distribution and the conditions of the urban poor, In: *The urban affairs annual review*, Sage Publ., 70; Poverty, economic security and the labor market, Wadsworth, (in prep.). Address: Brookings Institution, 1775 Massachusetts Ave. N.W., Washington, D.C. 20035.
- NOLTE, DR. HERBERT WILLIAM. Counseling Psychology. See L-Z Vol, 11th ed, Soc. & Behav. Vols. New position & address: Prog. dir., 69-, Jackson-Hillsdale Community Mental Health Services Bd., 2017 Fourth St., Jackson, Mich. 49203.
- NOLTING, ORIN F. (REDERYC). Political Science. See L-Z Vol, 11th ed, Soc. & Behav. Vols. New information: Spec. asst. to pres. Pub. Admin. Serv., 69-. Address: 1313 E. 60th St., Chicago, Ill. 60637.
- NOONE, DR. DONALD (JOHN), b. Jersey City, N.J., Aug. 21, 35; m. 65; c. 2. SOCIOLOGY. B.S. St. Peters College, 57; Ph.D., Fordham, 62; Rutgers, 66, Ph.D. (sociol), 69. RES. ASSOC. SOCIOL. MED. COL. CORNELL, 68- Vis. lectr., Cornell Univ.-N.Y. Hosp. Sch. Nursing, 68-69. AAAS; Soc. Assn.; Soc. Study Social Probs. Teacher and school board relationships; occupations and professions; complex organizations; sociology of education. Publ.: School board vs. teachers—changing power relations in a school system, *Inst. Mgt. & Labor Rel.*, Rutgers Univ., 70. Address: 4 Sweetbriar Rd., Somerset, N.J. 08873.
- NOORI, DR. HOSEIN. Psychology, Sociology. See L-Z Vol, 11th ed, Soc. & Behav. Vols. New position & address: Assoc. prof., 69-, Dept. of Education, Tuskegee Institute, Ala. 36088.
- NORD, DR. SAMUEL G., b. Wilmington, Del., Oct. 8, 31; m. 57; c. 2. PHYSIOLOGICAL PSYCHOLOGY. B.A., Delaware, 56, M.A., 58; Ph.D. (psychol), Brown, 63. Asst. prof. psychol., Kenyon Col., 61-64; asst. prof. psychol. & dir. bioelec. lab., Lehigh, 64-68; ASSOC. PROF. PSYCHOL., LEHMAN COL., 68- Guest investr., Rockefeller Univ., 68-69; res. assoc. col. physicians & surgeons, Columbia, 69- U.S.A., 52-54. AAAS; Psychol. Assn.; Soc. Neurosci. Electrophysiology of brain stem structures involved in somesthesia and gustation. Publ.: Receptor field characteristics of single cells in the rat spinal trigeminal complex, *Exp. Neurol.*, 21: 236-243; co-auth., A single unit analysis of trigeminal projections to bulbar reticular nuclei of the rat, *J. Comp. Neurol.*, 134: 485-493; Projection of taste afferents to mid-pontine region of the cat brain, *Anat. Record*, 163: 153-154. Address: Dept. of Psychology, Herbert H. Lehman College, Bedford Park Blvd. W., Bronx, N.Y. 10468.
- NORDQUIST, DR. SUE LE FEBVRE, b. Spokane, Wash., June 15, 37; m. 57. PSYCHOLOGY. B.A., Texas Christian, 57, M.A., 58, fel. 61-63, Ph.D. (psychol), 63. Asst. psychol., Texas Christian, 60-61; asst. prof., Texas Woman's Univ., 63-66; ASSOC. PROF., TARRANT COUNTY JR. COL., 66- Private practice clin. psychol., 66- Consult., Family Serv. Assn. AAAS; Psychol. Assn. Family counselor. Address: 5713 Trail Lake Dr., Ft. Worth, Tex. 76133.
- NORDSTROM, DR. CARL A., b. Brooklyn, N.Y., Sept. 28, 19; m. 43; c. 4. ECONOMIC. A.B., Antioch Col., 46; M.A., Brookline, 49; Ph.D. (econ), New Sch. Soc. Res., 47. ASSOC. PROF. ECON., BROOKLYN COL., 49- U.S.A., 41-46; Res., 46-53, Lt. Col. (Ret.), Econ. Assn. Educational environments; economic history of a village community in eastern United States; with special reference to Turner frontier thesis and black-white relationships, using a phenomenological, dialectical approach. Publ.: Co-auth., Why successful students of the natural sciences abandon careers in science, 61 & Influence of resensitment on student experience in secondary school, 65, Brooklyn Col.; Co-auth., Society's children: a study of resensitment in the secondary school, *Random*, 67. Address: 78 Smith Ave., South Nyack, N.Y. 10960.
- NORDSTROM, JOSEPH A., b. East Orange, N.J., Jan. 31, 18; m. 53; c. 3. MANAGEMENT, BUSINESS ADMINISTRATION. B.S., Northeastern, 41; S.M., Mass. Inst. Tech., 47. Instr. mgt., Northeastern, 47-48; indust. eng. & mgt., Mass. Inst. Tech., 48-50; asst. prof. mgt., Clark, 50-57; assoc. prof. indust. eng., Northeastern, 57-60; prof. bus. admin., U.S. Agency Int. Develop., Brazil Proj., Mich. State; assoc. prof., mgt., BOWLING GREEN STATE, 66-67, chmn. dept. mgt., 67-68, DIR. MGT. CENTER, 68- U.S.N.R., 41-46, Lt. Comdr. Am. Acad. Arts & Sci. Establishing courses and performing research services for institutional and environmental development in northwest Ohio. Publ.: *Amostragem do trabalho*, *Revista Administracao Empresas*, Brazil, 62; A razao da engenharia industrial, *Engenharia Rio Grande do Sul*, 66. Address: Dept. of Management, Bowling Green State University, Bowling Green, Ohio 43402.
- NORRIS, DR. JAMES JOSEPH, JR., b. Washington, D.C., Feb. 16, 43; m. 66; c. 2. SOCIOLOGY. A.B., Notre Dame, 64, M.A., 66, Ph.D. (sociol), 69. ASST. PROF. SOCIOL., LOYOLA COL. (QUE), 68- Consult., J.W. McConnell Found., Inc., Oct. 69. Sociol. Assn. Methodology and computer applications in the social sciences; status discrepancy, anomie and alienation. Address: Dept. of Sociology, Loyola College, Montreal, Que., Can.
- NORSWORTHY, DR. DAVID RAY. Sociology, Demography. See L-Z Vol, 11th ed, Soc. & Behav. Vols. New position & address: Assoc. prof., 68-, Dept. of Sociology, Whitman College, Walla Walla, Wash. 99362.
- NORTH, PROF. RONALD MORRIS, b. Stockton, Cal., Jan. 2, 34; m. 56; c. 3. FINANCE. B.S., Clemson, 54, Ph.D. (agr. econ, econ. theory), 65; M.S., Cornell, 57; Nat. Sci. Found. short courses, Utah State, 66, New Mexico State, 67 & 69. Res. asst., mkt., Clemson, 61-63; asst. prof. finance & water resources, Georgia, 63-68, assoc. prof., 68-69; PROF. FINANCE & DIR. ECON. DEVELOP. CENTER, WESTERN CAROLINA, 69- Lectr., Inst. Law & Govt., Univ. Georgia & U.S. Planning Prog.-Civil Serv. Cmn., 66-66; prog. planning & eval. for Off. Econ. Opportunity staffs, Clark Col., 68-69; consult. & tech. asst., p&el mem. Res. Group, Inc., Ga., 66- U.S.A.F., 55-61, Res., 61-, Lt. Geophys. Univ., Agr. Econ. Assn. Public and private systems of environmental quality control; demands for water resources and services; financing water resources development; planning programming budgeting systems. Publ.: Consumer responses to prices of residential water, *Am. Water Res. Assn.*, 67; co-auth., The price and consumption of water for residential use in Georgia, *Bur. Bus. & Econ. Res.*, 67; auth., Market modifications and the government grants economy, *Econ. Air & Water Pollution*, 69. Address: Economic Development Center, Western Carolina University, Cullowhee, N.C. 28723.
- NORTHALL, DR. JOHN H., b. Kansas City, Mo., May 25, 27; m. 51; c. 4. SPEECH. B.A., Iowa, 48; B.D., Wartburg Sem., 51, S.T.M., 68; M.A., Denver, 67; Ph.D. (speech), Colorado, 69. Pastor, Am. Lutheran Church, 51-68; ASSOC. PROF. SPEECH, DANA COL., 68- Interpersonal relationships and communication barriers. Address: Dept. of Speech, Dana College, Blair, Nebr. 68008.
- NORTHWAY, DR. MARY L. (OUISE). Psychology. See L-Z Vol, 11th ed, Soc. & Behav. Vols. New position & address: Coordinator 69-, Brora Centre, 245 Davenport Rd., Toronto 180, Ont., Can.
- NORTON, PROF. FRANCES JACOBSON. Psychology. See L-Z Vol, 11th ed, Soc. & Behav. Vols. New information: Also chmn., 70-, Dept. of Psychology, Guilford College, Greensboro, N.C. 27410.
- NOSANCHUK, DR. TERRANCE A. Sociology. See L-Z Vol, 11th ed, Soc. & Behav. Vols. New position & address: Assoc. prof., 70-, Dept. of Sociology, Carleton University, Ottawa, Ont., Can.
- NOSZLOPI, DR. MARGARET OTTILIA. Psychology. See L-Z Vol, 11th ed, Soc. & Behav. Vols. New information: Clin. & child psychologist. Address: 250 Warren Way, San Luis Obispo, Calif. 93401.
- NOTTINGHAM, PROF. ELIZABETH K. (RISTINE). Sociology. See L-Z Vol, 11th ed, Soc. & Behav. Vols. New position: Res. assoc. dept. sociol., California, Berkeley, 69-. Address: 2611 Le Conte Ave., Berkeley, Calif. 94709.
- NOVICK, DR. JACK (ISRAEL). Psychology. See L-Z Vol, 11th ed, Soc. & Behav. Vols. New position: Prof. psychol. & dir. sch. psychol. training, South. Conn. State Col., 69-. Address: 6 Bayden Rd., Ossining, N.Y. 10562.
- NOVICK, DR. MELVIN (ROBERT), b. Chicago, Ill., Sept. 21, 32; m. 57; c. 2. EDUCATIONAL MEASUREMENT. B.A., Roosevelt, 57, B.S. & M.A., 59; Ph.D. (math. statist), North Carolina, 63. Res. asst. statist., Assn. Am. Med. Cos., 56-59; res. assoc. biostatist., North Carolina, 62-63; assoc. res. statistician, Ed. Testing Serv., 63-64, res. statistician, 64-68, sr. res. statistician, 68-70; DIR. PSYCHOMETRIC RES., AM. COL. TESTING PROG., 70- PROF. ED. & STATIST. UNIV. IOWA, 70- Hon. lectr., Univ. Col. London, 67- lectr., Univ. Col. Wales, 67-68; vis. prof., Pennsylvania, 70. Ad hoc consult., univ. entrance & sch. exam. bd., Univ. London, 67-68; consult., U.S. Off. Ed., 68. Participant, Nat. Sci. Found. Conf. Data Anal., Ft. Collins, Colo., 69. U.S.A.F., 52-55, S/Sgt. Psychol. Assn. Psychometric Soc. Statist. Assn. Ed. Res. Assn.; Royal Statist. Soc. Inst. Math. Statist.; Biomet. Soc. Educational prediction systems; mental test theory; Bayesian inference; data analysis. Publ.: Co-auth., Statistical theories of mental test scores, *Addison-Wesley*, 68; auth., The axioms and principal results of classical test theory, *J. Math. Psychol.*, 65 & Multiparameter Bayesian indifference procedures, *J. Royal Statist. Soc.*, 69. Address: ACT, P.O. Box 168, Iowa City, Iowa 52240.
- NOWLIS, DR. DAVID PETER, b. New Haven, Conn., Feb. 12, 37; m. 63; c. 3. PSYCHOLOGY. A.B., Haverford Col., 58; Ph.D. (soc. psychol.), Harvard, 64. Instr. psychol., Claremont Men's Col., 63-64; asst. prof. child develop., Bryn Mawr Col., 64-67; res. assoc. psychol., Stanford, 67-69; CONSULT. LIFE SCI. GARRETT CORP., 69. AAAS; Psychol. Assn.; Soc. Psychol. Study Social Issues. Habitability; physiological feedback training, especially developing self-discrimination and self-control over electroencephalographic rhythms and other physiological events in humans. Publ.: The child-rearing antecedents of hypnotic susceptibility and of naturally occurring hypnotic-like trance, *Int. J. Clin. & Exp. Hypnosis*, 69 & Psychological measurement of habitability, *Prof. Nat. Symp. Habitability*, 70; co-auth., The control of electroencephalographic alpha rhythms through auditory feedback and the associated mental activity, *Psychophysiology*, 1/70. Address: 32106 Beachview, Thousand Oaks, Calif. 91360.
- NOWSHIRVANI, DR. VAHID FALLAH, b. Teheran, Iran, July 6, 40. ECONOMIC. B.A., Cambridge, 62; Ph.D. (econ), Mass. Inst. Tech., 68. Lectr.

- ECON, YALE, 66-67, mem. res. affact, 67-68, ASST. PROF, 68- Econ. Asn. Economic development: factors affecting agricultural supply; economic development of Iran since 1920. Publ. Time and factor costs in agricultural production, Indian Econ. Rev, 4/67; Regional and crop-wise pattern of growth of per acre output in India, Oxford Univ. Bull. Econ. & Statist, 2/70. Address: Dept. of Economics, Yale University, 52 Hillhouse Ave, New Haven, Conn. 06520.
- NOZICK, DR. ROBERT. Philosophy. See 5th ed, Dir. of Am. Scholars, Vol. IV, Philos, Relig. & Law.
- NUDELMAN, DR. ARTHUR EDMUND, b. Chicago, Ill, June 4, 37; m. 63; c. 1. SOCIOLOGY. B.A., Florida, 62; Nat. Sci. Found. fel, Wisconsin, 63-64, M.S., 64, Nat. Inst. Ment. Health fel, 64-66, Ph.D.(sociol), 70. ASST. PROF. SOCIOLOGY, FLA. STATE, 67- U.S.A., 55-58, Sociol. Asst. Soc. Study Social Probs. Attitudes toward mentally ill; political attitudes; medical sociology, with a focus on Christian Science; structure of religious beliefs and behavior; social personality. Publ: Temperamental conservatism, authoritarianism, and rejection of the mentally ill and psychiatry, Ment. Hyg, 10/65. Address: 303 Hoffman Dr, Tallahassee, Fla. 32303.
- NUESSE, DR. C(LESTINE) JOSEPH. Sociology. See L-Z Vol, 11th ed, Soc. & Behav. Vols. New information: Exec. v.pres. & provost, 67-, Catholic University of America, Washington, D.C. 20017.
- NUGENT, DR. JEFFREY B, b. New York, N.Y., Mar. 8, 36; m. 61; c. 2. ECONOMIC. B.A. Amherst Col, 57; Nat. Defense Ed. Act fel. & M.A., New Sch. Soc. Res, 61, Soc. Sci. Res. Coun, Nat. Defense Ed. Act & Univ. California fcls. & Ph.D.(econ), 65. Res. assoc. econ, Center Planning & Econ. Res, Athens, Greece, 62-64; prof, Southern California, 64-68; res. assoc. econ, growth center, Yale, 68-69; ASSOC. PROF. ECON. & ACTING CHMN. DEPT. SOUTHERN CALIFORNIA, 69- Consult, Regional Off. Cent. Am. & Panama, Agency Int. Develop, 67- Summer consult, Agency Int. Develop, Wash, D.C. & Buenos Aires, 65 & Nat. Planning Group, Quito, Ecuador, 66. U.S.M.C., 58-59, Res, 59-62, Am. Econ. Asn.; Economist, Soc. Royal Econ. Soc. Economic development, planning and theory. Publ: Planning the optimal development of the Greek economy, Center Planning & Econ. Res, 66; Investment criteria, economic development strategies in Greece, U.S.M.C., 66-67; a postwar survey, Econ. Develop. & Cultural Change, 4/67; The tariff structure and the cost of protection in Central America, El Trimestre Economico, 10-12/68. Address: Dept. of Economics, Division of Social Science & Communication, University of Southern California, University Park, Los Angeles, Calif. 90007.
- NUNEZ, DR. BENJAMIN. Linguistics, Anthropology. See Suppl. I to 5th ed, Dir. Am. Scholars.
- NUNN, DR. GRADY HARRISON. Political Science. See L-Z Vol, 11th ed, Soc. & Behav. Vols. New position & address: Prof. & chmn, 69-, Dept. of Political Science, University of Alabama in Birmingham, Birmingham, Ala. 35233.
- NURGE, DR. ETHEL. Anthropology, Sociology. See L-Z Vol, 11th ed, Soc. & Behav. Vols. New position & address: Assoc. prof, 68-, Kansas Regional Medical Program, 3909 Eaton, Kansas City, Kans. 66103.
- NURSE, DR. ALEXANDER R(ODNEY). Psychology. See L-Z Vol, 11th ed, Soc. & Behav. Vols. New position: Consult. behav. sci, Fry Consultants, Inc, 69- Address: 550 Battery St, Apt. 904, San Francisco, Calif. 94111.
- NURSS, DR. JOANNE RUTH, b. Peoria, Ill, Sept. 13, 37. EDUCATIONAL PSYCHOLOGY. B.A., Beloit Col, 58; M.A., Columbia, 62, Ph.D.(ed. psychol), 66. Teacher, pub. schs, Colo, 58-63; ASST. PROF. READING & ED. PSYCHOLOGY, Emory, 67-69; GA. STATE, 69- Consult, Urban Lab. Ed, 67-68. Mem, Nat. Coun. Res. in Eng, 69- Psychol. Asn.; Nat. Coun. Teachers of Eng; Ed. Res. Asn. Language acquisition and development in young children as related to reading and effects of varying dialects; influence of grammatical structure upon reading comprehension. Publ: Syntactic structure and reading comprehension, In: Forging ahead in reading, Int. Reading Asn, 68; Oral reading errors and reading comprehension, Reading Teacher, 69; co-auth, Socio-economic level styles in solving reading related tasks, Reading Res. Quart, spring 70. Address: School of Education, Georgia State University, 33 Gilmer St. S.E., Atlanta, Ga. 30303.
- NUSSEL, PROF. EDWARD J, b. Detroit, Mich, Apr. 14, 32; m. 53; c. 3. EDUCATIONAL SOCIOLOGY. B.S., Detroit, 53; M.D., Wayne State, 57, Ed.D. (ed. sociol), 64. Teacher, pub. schs, Mich, 53-64; PROF. ED, TOLEDO, 64-Vis. summer prof, Bowling Green State, 67. U.S.A., 54-56, Ed. Res. Asn.; Sociol. Asn. Institutional constraints imposed upon teachers and concomitant influences of such constraints upon innovation and change. Publ: Co-auth, An introduction to the foundations of education, W.C. Brown, 66, 68; A sociometric study of play preference and play behavior in a group of third grade children, Group Psychother, 3-6/67; Obstacles to innovation, J. Secondary Ed, 1/69. Address: 3309 Cheltenham, Toledo, Ohio 43606.
- NUTTALL, DR. RONALD L, b. Salt Lake City, Utah, Sept. 18, 37; m. 61; c. 2. SOCIAL PSYCHOLOGY. A.B. Harvard, 59, A.M. & Ph.D.(soc. psychol), 63. Res. asst. prof. human rels, Boston Univ, 63-64; ASSOC. PROF. sociol, Northeastern, 64-66; psychol, BOSTON COL, 66-69, ED. RES, 69-, INST. ASSOC. INST. HUMAN SCI, 70- Psychologist, Vet. Admin. Outpatient Clin, 62- Consult, Worcester State Hosp, Mass, 65-66; adv. systs. develop. div. Int. Bus. Mach. Corp, 65-66; dept. ed, Commonwealth P.R., 67-68. Mem, Soc. Sci. Res. Coun. Seminar, Wis, 63. Psychol. Asn.; Sociol. Asn.; Am. Comput. Mach. Res. Asn. Social processes in scholastic processes in society; social class; race; premorbid adjustment in schizophrenia; normal aging in relation to personality and abilities; school achievement; personality factors among Puerto Ricans. Publ: Co-auth, On the structure of influence, In: Community structure and decision-making, Chandler, 68; auth, Some correlates of high need for achievement among urban northern Negroes, J. Abnormal & Soc. Psychol, 64; co-auth, Prognosis in schizophrenia: the role of premorbid, social class, and demographic factors, Behav. Sci, 70. Address: 106 Washington St, Newton, Mass. 02158.
- NUTTERVILLE, DR. CATHERINE. Educational Psychology. See L-Z Vol, 11th ed, Soc. & Behav. Vols. New information: Retired, 69. Address: 130 River Ave, Apt. 23, Eugene, Ore. 97402.
- NYE, DR. JOHN (ROBERT), b. Cedar Rapids, Iowa, Dec. 26, 32. SOCIOLOGY. B.S. Iowa State, 62; M.S., 64, Ph.D.(sociol), 68. Res. assoc. SOCIOLOGY, Iowa State, 63-68; ASST. PROF. NEBRASKA, OMAHA, 68-, DIR. CENTER URBAN AFFAIRS, 70- U.S.A., 64-70. Sociol. Asn. Urban social science studies: role, organizational analysis, social power, research methodology. Publ: Co-auth, Local governing bodies: their relation to civil defense, Dept. Sociol. & Anthropol, Iowa State Univ, 67; auth, Reflections on the development of an urban data bank, Urban Orientations, 69. Address: Center for Urban Affairs, University of Nebraska at Omaha, Omaha, Nebr. 68101.
- NYQUIST, DR. RUSSELL STANFORD, b. Cokato, Minn, Oct. 6, 35; m. 58; c. 4. BUSINESS ADMINISTRATION, INDUSTRIAL ENGINEERING. B.S., Minnesota, 57, M.S., 59, Ph.D.(bus. admin), 64. Instr. mech. eng, Minnesota, 58-64, asst. prof, 64-68; acquisitions analyst, KMS INDUSTS, 68-70, ASST. TO EXEC. V.PRES, 70- Inst. Indust. Eng. Soc. Eng. Ed. Engineering economics; acquisitions and mergers. Address: 4071 Thorn Oaks Rd, Ann Arbor, Mich. 48104.

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- OAKES, DR. CHARLES (GEORGE), b. San Francisco, Calif, Jan. 4, 31; m. 61; c. 2. SOCIOLOGY. A.B. California, Berkeley, 57, M.A., 59; Stanford, 59-60; Volker Found. & Methodist Church Bd. Soc. & Christian Concerns fcls. & Ph.D.(sociol), Emory, 66. Asst. prof. SOCIOL. & chmn. Soc. Sci. Res. western at Memphis, 62-66; asst. prof. & acting chmn. dept, CONVERSE COL, 66-67, ASSOC. PROF. & CHMN. DEPT, 67- Instr. prev. med, col. med, Tennessee; grants, Health Info. Found, 64, U.S. Pub. Health Serv. Div. Chronic Diseases, 64 & 66. Admin. on Aging, 67 & Nat. Inst. Ment. Health, summer 69. Consult, Ga. Dept. Ment. Health, 61-62; Spartanburg County Health Dept, 68; Ga. Dept. Family & Childs Serv, summer 68. Hosp.C, U.S.N., 51-55. Sociol. Asn.; Acad. Polit. & Soc. Sci. Soc. Appl. Anthropol. Medical sociology; gerontology; sociolinguistics. Publ: Our elderly Americans: challenge and response, Converse Col, 67; co-auth, Foundations of practical gerontology, Univ. South Carolina, 69; auth, Socio-medical problems of the elderly, In: Foundations of practical gerontology, Univ. South Carolina, 69. Address: 511 Perrin Dr, Spartanburg, S.C. 29302.
- OAKES, PROF. LESTER C, b. Noroton, Conn, Apr. 10, 14; m. 40; c. 3. GEOGRAPHY. B.Ed. Cent. Conn. State Col, 38; M.A., N.Y. Univ, 49; dipl. geog. Teachers Col, Columbia, 58; M.S. Union Col (N.Y.), 61. Instr. bus, Laurel Col, 38-39; Meriden High Sch, 39-46; Norwalk Sr. High Sch, 46-61; ASSOC. PROF. GEOG. CLARION STATE COL, 61- Asn. Am. Geog. Nat. Coun. Geog. Ed. Historical geography of United States; geographical education. Publ: History and geography of Pennsylvania, In: Book of knowledge, Grolier, 66. Address: Dept. of Geography, Clarion State College, Clarion, Pa. 16214.
- OAKES, PROF. WILLIAM (FRANCIS). Experimental Psychology. See L-Z Vol, 11th ed, Soc. & Behav. Vols. New information: No longer dean instr. freshman prof, City Univ. N.Y. Address: Dept. of Psychology, City University of New York, 33 W. 42nd St, New York, N.Y. 10036.
- O'BANNON, DR. (JOAN) (E), b. Washington, D.C., Feb. 24, 36; m. 60; c. 2. ECONOMICS. B.S., Maryland, 58; M.A., Virginia, 61, Ph.D.(econ), 65. Vis. prof. ECON, Tulane, 61-63; ASST. PROF. Agnes Scott Col, 63-65; Lewis & Clark Col, 66-68; PORTLAND, 68- Mem. bd. int, United Citizens for Elimination Poverty, 68. Public finance; microtheory. Publ: Co-auth, Property taxes, U.S.A. Univ. Wisconsin, 67. Address: 0203 S.W. Palatier Rd, Portland, Ore. 97219.
- OBERMEYER, DR. GERALD J, b. Altoona, Pa, Feb. 11, 35; m. 60; c. 1. ANTHROPOLOGY. B.A. Pa. State, 60, M.A., 62; fel, Cairo, 63-65; Carnegie fel, Chicago, 66-67; Ph.D.(anthrop), Indiana, Bloomington, 68. ASST. PROF. ANTHROP, Northern Illinois, 67-68; Temple, 68-70; AMERICAN UNIV. BEIRUT, 70- U.S.M.C., 53-56. Anthropol. Asn.; Mid. East Studies Asn. N.Am.; Mid. East Inst. Middle East studies; political anthropology; cultural change in the new nations; cultural history and development of Islamic society. Address: Dept. of Sociology & Anthropology, American University of Beirut, Beirut, Lebanon.
- OBICHERE, DR. BONIFACE IHEWUNWA. African & Modern History. See 5th ed, Dir. Am. Scholars, Vol. I, Hist.
- O'BRIEN, DR. CYRIL (CORNELIUS). Psychology. See L-Z Vol, 11th ed, Soc. & Behav. Vols. New position: Pres, Adm. Res. Co, Ltd, 70- Address: P.O. Box 666, Edmonton, Alta, Can.
- O'BRIEN, DR. DEAN W(ARREN), b. Waukesha, Wis, Apr. 25, 32; m. 56; c. 2. MASS COMMUNICATIONS, JOURNALISM. B.S., Wisconsin, Madison, 54, M.S., 59, fel, 61-62, Ph.D.(ed. admin), 63. Reporter & dept. ed, Highland Park News, Ill, 56-57; copy ed, Wis. State J, 57-59; ed. editor, Jackson Citizen-Patriot, Mich, 59; proj. assoc, Wis. improv. proj, Univ. Wisconsin, 59-63, lectr. ed. admin, grad. sch, 63-67; assoc. nat. dir. proj. pub. info, Wis. State Dept. Pub. Instr, 67-68; ASST. PROF. MASS COMMUN, WISCONSIN-GREEN BAY, 68- Participant, P.I.L.E., Elem. & Sec. Ed. Act proj, schs, Shawano, Wis, 69. common. analyst, McCoy Job Corps Center, Sparta, Wis, 66-67. Ed. consult, 60-62; consult, Nat. Center Ed. Family Finance, 62-63. Mem, Proj. Pub. Info, 66-67. U.S.M.C., 54-56, 1st Lt. Asn. Ed. in Journalism. Authority systems and their effects on professional autonomy and on communication between sub-cultures; bodies of allusion and their effects on the transmission of information. Publ: Between two cultures: an existential view of curriculum, Sch. & Soc, 11/18/61; Toward a context

theory of journalism, *Journalism Quart.* autumn 67; co-auth. National survey of public information programs in state departments of education, *Proj. Pub. Info.*, 68. Address: 1434 Marhill Rd, Green Bay, Wis. 54304.

O'BRIEN, DR. DENISE (MRS. JAY RUBY). b. Rochester, N.Y. Jan. 19, 38; m. CULTURAL ANTHROPOLOGY. A.B. Vassar Col. 59; Woodrow Wilson Nat. fel. Yale, 59-60; Boies fel. 60-61, Nat. Inst. Ment. Health grant, 61-63 & fel. 61-65, Ph.D. (anthrop.), 69. Curatorial asst. ANTHROPOL. Peabody Mus. Yale, 64-65; acting asst. prof. California, Davis, 65-67; ASST. PROF., TEMPLE, 67- Res. grants, California, Davis & Center Southeast Asia studies, California, Berkeley, 66-67; res. grant, Temple, summer 68. Anthropol. Asn. Royal Anthropol. Inst. Gt. Brit. & Ireland; Polynesian Soc. Social structure and kinship; ethnography of Highland New Guinea; acculturation. Publ: Co-auth. Acculturation movements among the Western Dani, In: *New Guinea, the Central Highlands*, Am. Anthropologist, 66: 281-292; auth. Marriage arrangements in the Konda Valley Dani, In: *Pigs, pearls, and women: marriage arrangements in the New Guinea Highlands*, Prentice-Hall, 69. Address: Dept. of Anthropology, Temple University, Philadelphia, Pa. 19122.

O'BRIEN, DR. JAMES H. b. Flint, Mich. Mar. 12, 37; m. 60; c. 1. PSYCHOLOGY. B.A. Michigan, 59, Grass Found. fel. 62, U.S. Pub. Health Serv. fel. & M.A. 63, Ph.D. (psychol.), 66. Res. assoc. psychobiol., Ypsilanti State Hosp, 59-62; res. invest. neurophysiol., Marine Biol. Lab, summer 62; Neurosci. Res. Prog. fel. summer 66; Nat. Inst. Ment. Health fel. Inst. Marey, Paris, France, 66-68; ASST. PROF. PSYCHOL. MED. SCH., OREGON, 68- AAAS; Physiol. Soc.; Psychonomic Soc. Neurophysiology of learning and information processing in the brain. Publ: Co-auth. Single-cell activity in cat motor cortex. I. Modifications during classical conditioning procedures, 32: 267-284 & II. Functional characteristics of the cell related to conditioning changes, 32: 285-296, *J. Neurophysiol.* Address: Dept. of Psychology, University of Oregon Medical School, Portland, Ore. 97201.

O'BRIEN, JOHN EGLI, S.J. Communication, Social Sciences. See 5th ed, Dir. Am. Scholars, Vol. II, Eng, Speech & Drama.

O'BRIEN, DR. J(OWN) (WILFRID). Economics. See L-Z Vol, 11th ed, Soc. & Behav. Vols. New information: Also prin. & v. chancellor, 69-, Sir George Williams University, 1435 Drummond St, Montreal 107, Que. Can.

O'BRIEN, DR. TERENCE VAN, b. Sacramento, Calif. Aug. 25, 41; m. 64. MARKETING. B.A. California, Berkeley, 63; M.B.A. Calif. State Col. Long Beach, 66; Ph.D. (mkt. soc. psychol.), Columbia, 69. Res. analyst, Security Pac. Nat. Bank, Calif., 65-66; instr. mkt. soc. setting of bus. Iona Col., 68-69; ASST. PROF. MKT. MASS COMMUN., ARIZONA, 69- U.S.A. 63, Res. 63-69, 2nd Lt. Mkt. Asn. Inst. Mgt. Sci. Individual search and decision processes in consumption behavior. Address: Dept. of Marketing, University of Arizona, Tucson, Ariz. 85721.

O'CONNELL, DR. JEREMIAH J. Organization Theory, Social Psychology. See L-Z Vol, 11th ed, Soc. & Behav. Vols. New information: Lectr. org. behavior, 70-, Center for the Study of Industry, 4, Chemin de Conches, Geneva, Switz.

O'CONNOR, SISTER GEORGE AQUIN, C.S.F. Psychology. See L-Z Vol, 11th ed, Soc. & Behav. Vols. New position: Pres., 69-, St. Joseph's College, 245 Clinton Ave, Brooklyn, N.Y. 11205.

ODEGARD, DR. HOLTAN P. b. Madison, Wis. Apr. 21, 23; m. 51; c. 5. POLITICAL SCIENCE. A.B. Harvard, 47; M.A. Wisconsin, 50, Ph.D. (polit. sci.), 59; Fulbright scholar, Australia, 51-52. Teaching asst. Am. govt, Wisconsin, 52-54; asst. planner, City-County Planning Cmn. Rockford, Ill. 54-56, assoc. dir., 56-61; planning dir., Bloomington, Minn. 61-66; exec. dir., Minn.-Wis. Boundary Area Cmn, Hudson, Wis. 66-68; planning dir., Souris-Rainy River Basins Cmn, 68-70; private employ. 70- U.S.A. 43-46. Inst. Planners; Polit. Sci. Asn. Soc. Pub. Admin. Political theory; public administration; city and regional planning; natural resource planning; local government; science and government. Publ: Sin and science, *Antioch*, 56; The politics of truth, *Univ. Alabama*, 71. Address: Route 1, St. Croix Cove, Hudson, Wis. 54016.

ODIERNE, DEAN GEORGE S. Economics, Industrial Relations. See L-Z Vol, 11th ed, Soc. & Behav. Vols. New position & address: Prof. mgt. & dean, 69-, College of Business, University of Utah, Salt Lake City, Utah 84112.

ODLE, DR. THOMAS D(AVID). History. See 5th ed, Dir. Am. Scholars, Vol. I, Hist.

O'DONNELL, DR. JAMES P. b. Cleveland, Ohio, Dec. 27, 33; m. 59; c. 5. PSYCHOLOGY. B.S. John Carroll, 57; M.A. Kent State, 60; Ph.D. (psychol.), Pittsburgh, 65. ASST. PROF. PSYCHOL. SOUTHERN ILLINOIS, 65- AAAS; Psychol. Asn. Soc. Res. Child Develop. Child psychology. Address: Dept. of Psychology, Southern Illinois University, Carbondale, Ill. 62901.

O'DONNELL, DR. JOHN A. Sociology. See L-Z Vol, 11th ed, Soc. & Behav. Vols. New position & address: Prof., 70-, Dept. of Sociology, University of Kentucky, Lexington, Ky. 40506.

ODOROFF, M(AURICE) E(DWIN). Psychology. See L-Z Vol, 11th ed, Soc. & Behav. Vols. New position & address: Assoc. coordinator, Metrop. Wash. Regional Med. Prog., 68-, Georgetown University Medical Center, 3800 Reservoir Rd. N.W., Washington, D.C. 20007.

OFFICER, DR. JAMES E. Anthropology. See L-Z Vol, 11th ed, Soc. & Behav. Vols. New position & address: Prof. anthrop. & coordinator int. progs., 69-, University of Arizona, Room 413 New Psychology Bldg, Tucson, Ariz. 85721.

OFIESH, DR. GABRIEL DARRROW. Educational Technology. See L-Z Vol, 11th ed, Soc. & Behav. Vols. Change of address: 4031 27th Rd. N., Arlington, Va. 22207.

OGAN, DR. RALPH (WILSON). Psychology. See L-Z Vol, 11th ed, Soc. & Behav. Vols. New information: Retired. Address: 4400 W. 67th St, Prairie Village, Kans. 66208.

OGDEN, DEAN DANIEL M(ILLER), JR. Political Science. See L-Z Vol, 11th ed, Soc. & Behav. Vols. New position & address: Dean, 68-, College of Humanities & Social Sciences, Colorado State University, Ft. Collins, Colo. 80521.

OGDEN, DR. GEORGINE L. International Relations. See PROKOPOV, DR. GEORGINE OGDEN, this Suppl.

OGILVIE, PROF. WALTER L. b. Portland, Ore. Apr. 25, 14; m. 43; c. 4. ECONOMICS, MARKETING. B.S. Alabama, 49, M.S. 50; Ph.D. (bus), Illinois, 62. Head sales dept. oldt. Olds, Worman & King Dept. Store, Portland, Ore. 34-39; salesman, Steelco Stainless Steel Corp, Chicago, Ill. 39-40; asst. commerce & bus. admin. Alabama, 46-51; instr. La. State, 54; instr. bus. Illinois, 54-61; asst. prof. mkt. Alabama, 61-64; PROF. ECON. JACKSONVILLE STATE, 64- Ford grant, Tulane, summer 63. U.S.A. 40-63, Lt. Col. (Ret). Mkt. Asn. Economic theory; management; corporation finance; transportation. Publ: The major problems of the independent jewelers of Alabama, *Ala. Retail Jewelers Assn.*, 50. Address: 550 Evergreen, Jacksonville, Ala. 32265.

OH, DR. JOHN KIE-CHANG, b. Seoul, Korea, Nov. 1, 30; m. 59; c. 3. POLITICAL SCIENCE. B.S. Marquette, 57; Columbia, 57-58; Ph.D. (int. rels.), Georgetown, 63. Press attache, Korean Mission to UN, 57-58; asst. prof. polit. sci., Col. St. Thomas, 62-66; ASSOC. PROF. POLIT. SCI., MARQUETTE, 66-67; faculty res. grants, 67-69. Hill Found. faculty res. fel. 64; Quinian Found. res. fel. 65; Helm Found. res. grant 67. Korea, 1950-51; SO. ASIAN. Asn. Asian Studies; Polit. Sci. Asn. International politics in East Asia; political development and modernization in East Asia; changing political patterns in Asia; democratic politics; changing values and politics. Publ: Korea: democracy on trial, Cornell Univ., 68; The political role of the Korean military: the making of the Third Republic, *Studies in Korea*, 67; Role of the United States in South Korea's democratization, *Pac. Affairs*, summer 69. Address: Dept. of Political Science, Marquette University, Milwaukee, Wis. 53233.

OH, DR. KI SONG, b. Manchuria, China, May 5, 17; m. 61; c. 1. POLITICAL SCIENCE. B.S. Chuo Univ., Tokyo, 40, LL.B. 42; M.A. Pennsylvania, 61, Ph.D. 66. Asst. prof. soc. sci., Mil. Col. Manchuria, 45-46; Teacher's Col., Pyongyang, North Korea, 46-48, assoc. prof. 48-50; instr. law, Sungsi Univ., Seoul, South Korea, 53-55; ASSOC. PROF. POLIT. SCI., UNIV. COL. (Ky), 66-68; LOYOLA COL. (EAST), 68- Univ. Col. res. grant, 67-68. Politics and governments in Quebec Asia, especially China, Japan, and Korea. Address: Dept. of Political Science, Loyola College, Montreal, Que. Can.

OHAEGBULAM, PROF. FESTUS UGBOAJA, b. Nriaku-Mbaise, Nigeria, Nov. 15, 36; m. 67; c. 1. POLITICAL SCIENCE, HISTORY. B.A. Evangel Col., 63; M.A. Fordham, 65; univ. fel., Denver, 64-67, Ford Found. fel. 66-67; Ph.D. (int. rels.), 67. Headmaster, Assemblies of God Sch., Nigeria, 56-61; teaching asst., int. rels., Regis Col., 67; asst. prof. POLIT. SCI., SOUTHERN UNIV., 67-69, PROF., 69- Fel. African Studies Asn.; Polit. Sci. Asn.; Royal African Soc. Foreign policy; international relations; comparative politics of Africa and south of the Sahara. Publ: Co-auth. The Sudan, In: *Worldmark encyclopedia*, Harper, 67; auth. The development of modern Nigeria—a review article, 12/68 & The democratic Republic of the Congo and the international politics of nonalignment, 12-1/69, *Africa Today*, 69. Address: Dept. of Political Science, Southern University, Baton Rouge, La. 70813.

O'HERN, PROF. EDNA M. Sociology. See L-Z Vol, 11th ed, Soc. & Behav. Vols. New information: Also head, 68, Dept. of Sociology, St. Francis College, 180 Remsen St, Brooklyn, N.Y. 11201.

OHLSSEN, PROF. MERLE M(ARVEL). Educational Psychology. See L-Z Vol, 11th ed, Soc. & Behav. Vols. New position: Holmstedt distinguished prof. guid. & psychol. serv., Indiana State, 69-. New publ. group counseling, *Holt*, 70. Address: 13 Longridge Rd, Terre Haute, Ind. 47802.

O'KANE, DR. JAMES MICHAEL, b. Brooklyn, N.Y. June 12, 41; m. 66; c. 1. SOCIOLOGY. B.A. St. Francis Col., 62; Jewish Guild for Blind fel., Columbia, 63, Mobilization for Youth fel., 64, M.S. 64; Ph.D. (ed. sociol.), N.Y. Univ., 68. Inst. SOCIOL., St. Francis Col., 64-67; DREW, 67-68. ASST. PROF., 68- Dept. community affairs, State N.J. grant, 70. Consult. Victoria Found., N.J. 68- Sociol. Asn. Relationship between social class position and political ideology; characteristics of upward mobility of ethnic groups. Publ: Ethnic mobility and lower income Negro, *Soc. Probs.*, winter 69; Poverty and employment—a socio historical overview, *Dial.*, summer 69; Economic and non-economic liberalism, upward mobility potential and Catholic working class youth, *Soc. Forces*, 6/70. Address: Dept. of Sociology, Drew University, Madison, N.J. 07940.

OKES, IMOGENE ESTA, b. Terre Haute, Ind. COMMUNICATIONS. B.S. Indiana State, 44; M.A. St. Francis Col., 60. Librarian, clerk & ed. Am. Embassy, Chungking & Nanking, China, 45-48; U.S. Navy, Peking, 48-49; Oslo, Norway, 50-52; groupworker & pub. rels. rep. Int. Inst. Calif., 55-56; res. assoc. psychol. ops. Southeast Asia, Spec. Ops. Res. Off., American Univ., 57-61; researcher int. rels. Inst. Defense Anal., D.C., 62-63; ED. SPECIALIST, U.S. OFF. ED. 65- Instr. Ginting Girls Col. Nanking, 47; guest lectr. *For. Serv. Inst.*, U.S. Dept. State, D.C., 61-62. Consult. Human Sci. Res. Va. 64. Participant, Afghanistan conf., Princeton, 60; Worldwide Psychol. Ops. Conf., D.C. 63. AAAS; Sociol. Asn.; Statist. Asn.; Adult Ed. Asn. U.S. Asn. Ed. Data Syst.; Ed. Res. Asn.; Asn. Instnl. Res.; Ops. Res. Soc. Asn.; Inst. Mgt. Sci.; Acad. Polit. & Soc. Sci.; Polit. Sci. Asn.; Asn. Asian Studies; Int. Studies Asn.; Tibet Soc. Adult education surveys; educational data systems; cross cultural communications; interpersonal and mass media operations in Southeast Asia and Communist China. Publ: Psychological operations—Afghanistan—Project PROSYMS, U.S. Dept. Army, 61; Participation in adult edu-

cation, U.S. Off. Ed. 70; Effective communications by Americans with Thai, Journalism Quart, 61. Address: U.S. Office of Education, 400 Maryland Ave, S.W., Washington, D.C. 20202.

OLCHYK, DR. OSCAR, b. Havana, Cuba, Feb. 15, 27; U.S. citizen; m. 59; c. 2. AC-COUNTING, BUSINESS ADMINISTRATION. C.P.A., Havana, S.I., D.C.S. 56; Ford fel, Indiana, Bloomington, summer 63; M.B.A., North Texas State, 64. Instr. auditing, Havana, 55-59; asst. prof., 59-60; sr. acct., Edwin Lax, Tex, 61; lectr. acct. & econ., Dallas, 61-62; instr., 62-63; asst., 63-65; asst. prof. ACCT. & BUS. ADMIN., BISHOP COL., 65-67; assoc. prof., 67-68; PROF. 68-CHMN. DIV. BUS. 67- Sr. partner, Blazquez & Olchik, Havana, Cuba, 52-60. Consult, Philip Vogel & Co, Tex, 66-67; Arthur Andersen & Co, Calif, Colombia, summer 69. Am. Acct. Assn. International accounting and taxation; Latin American teaching and practice of accounting and tax; business teaching to minority groups. Pub: The international dimension of accounting in the curriculum, Collegiate News & Views. Address: 11814 High Valley Dr., Dallas, Tex. 75234.

OLDENBURG, DR. RAMON, b. Apr. 7, 32; U.S. citizen; m. 66. SOCIOLOGY. B.S., Mankato State Col., 54; M.A., Minnesota, Minneapolis, 65, Ph.D. (sociol), 66. Instr. sociol., Minnesota, 65-65; asst. prof., Stout State, 65-66; Nevada, Reno, 66-67; WEST FLORIDA, 67-68, ASSOC. PROF. SOCIOL. & CHMN. DEPT. 68- Proj. dir., U.S. Dept. Health, Ed. & Welfare, 61-63; acad. counsr., South. Regional Ed. Bd. res. internships, summer 68. U.S.A. 54-56. The sociology of leisure and urban analysis. Pub: Co-auth., Professional wrestling. In: Motivations in play, games and sports, C.C. Thomas, 68. Address: Dept. of Sociology, University of West Florida, Pensacola, Fla. 32504.

OLDER, DR. HARRY (JAY). Psychology. See L-Z Vol. 11th ed, Soc. & Behav. Vols. New position & address: Exec. v-pres, 70-, Biotechnology Inc, 3027 Rosemary Lane, Falls Church, Va. 22042.

OLDMAN, PROF. OLIVER, Law, Economics. See 5th ed, Dir. Am. Scholars, Vol. IV, Philos., Relig. & Law.

O'LEARY, DR. K(ETH) DANIEL, b. West Chester, Pa., Oct. 3, 40; m. 65; c. 1. PSYCHOLOGY. B.A. Pa. State, 62; U.S. Pub. Health Serv. fel., Illinois, 62-64; M.A. 65, Ph.D. 66. Instr. PSYCHOL., Illinois, Urbana, 64-65; asst. prof., 67; STATE UNIV. N.Y. STONY BROOK, 67-70, ASSOC. PROF. 70- Consult, Parent training, Urbana, Ill., 68-69; N.Y. City Pub. Sch. proj., 69, Islip Schs., 69- Ocean-Hill Brownsville follow-through proj., 69- Psychol. Assn.; Soc. Res. Child Develop. Token reinforcement programs; self control; punishment. Pub: Co-auth., Behavior modification of an adjustment class: a token reinforcement program. Except. Children, 33: 637-642; auth., Diagnosis of children's behavior problems. In: Behavior disorders of children, Wiley, (in press); co-auth., Token reinforcement programs in classrooms: an evaluation, Psychol. Bull., (in press). Address: Dept. of Psychology, State University of New York at Stony Brook, Stony Brook, N.Y. 11790.

OLEON, DR. SALLY (JOY), b. Pittsburgh, Pa. POLITICAL SCIENCE. A.B., Pittsburgh, 48, M.Ed. 50, Ph.D. (polit. sci.), 58. Res. asst., grad. sch. pub. & int. affairs, Pittsburgh, 58-60; sr. scientist, Mgt. Res. Projs., D.C. 60-61; analyst, Adv. Cmn. Intergovt. Rel., 61-63; asst. to v-pres, George Washington Univ., 63-65; spec. asst., Am. Coun. Ed., 65-66; prof. officer, Ford Found., 66-69; RES. COORDINATOR, RES. FOUND., CITY UNIV. NEW YORK, 69- Asst. prof. & lectr., George Washington, 61-65; Washington intern. ed., 65-66. Consult, Ford Found., Prep. Inc. & Coop. Col. Develop. Prog., 69- Polit. Sci. Assn.; Soc. Pub. Admin.; Assn. Higher Ed.; Nat. Coun. Univ. Res. Adminstr. Intergovernmental relations; adult continuing education. Pub: Records essential for identification, Off. Civil & Defense Mobilization, 61; co-auth., Performance urban functions: local and areawide, Adv. Cmn. Intergovt. Rel., 63; auth., Changing patterns in continuing education for business, Center Study Lib. Ed. for Adults, 67. Address: 340 E. 64th St., New York, N.Y. 10021.

OLIM, DR. ELLIS G. Human Development, Psychology. See L-Z Vol. 11th ed, Soc. & Behav. Vols. New information: Also head, 68-, Dept. of Human Development, University of Massachusetts, Hampshire House, Amherst, Mass. 01002.

OLIVAS, DR. ROMEO (REILLANO), b. Camalanigan, Philippines, Jan. 28, 26; m. 61; c. 2. PSYCHOLOGY, GUIDANCE. B.A., Philippine Christian Col., 52; M.A. 54; Ph.D. (student probs), Northwestern, 68. Instr. psychol. & zool., Philippine Wesleyan Col., 52-54; asst. prof. psychol. & ed., Huntington Col., 59-61; psychol., Milwaukee-Downer Col., 62-63; head dept. guid., Philippine Christian Col., 64-67; asst. prof. PSYCHOL., West. Col., 67-69; ASSOC. PROF., MADISON COL., Assoc. lectr. col. ed., Univ. Philippines, 63-64 & 66-67; lectr., Harris Mem. Col., 64-65; assoc. prof., Philippine Christian Col., 64-67. Consult, dept. sci. ed., col. ed., Univ. Philippines, 66-67. Mem. guid. cmt., Cmn. on Study Higher Ed. in Private Cos. & Univs., Philippines, 66-67. Personnel & Guid. Assn. Problems of students in public secondary schools in the Province of Cagayan, Philippines; study of private schools library practices in the Province of Nueva Ecija. Address: 145 Campbell St., Harrisonburg, Va. 22801.

OLIVE, DR. LOIS ELAINE HOWSDEN. Counseling & Educational Psychology. See L-Z Vol. 11th ed, Soc. & Behav. Vols. Change of address: 5129 Shenadoah Ave, Los Angeles, Calif. 90056.

OLIVER, PROF. CLIFTON, JR. Business Administration. See L-Z Vol. 11th ed, Soc. & Behav. Vols. Change of address: P.O. Box 14505, Univ. Station, Gainesville, Fla. 32601.

OLIVER, PROF. COVEY (THOMAS), b. Laredo, Tex., Apr. 21, 13; m. 46; c. 5. INTERNATIONAL LAW. A.B., Texas, 33, LL.B. 36, fel. Columbia, 41, LL.M. 53, J.S.D. 54. Asst. prof. law, Texas, 36-38, assoc. prof., 38-48; sr. attorney, Bur. Econ. Warfare, 42; spec. asst. to ambassador & chief econ. controls sect., Am. Embassy, Madrid, Spain, 42-44; assoc. chief & div. chief, U.S. Dept. State, 45-49; prof. LAW, SCI. LAW, California, 49-56; Johnson prof., 56, chmn. inst. int. stud., 55-56; PROF., PENNSYLVANIA, 56- U.S.

deleg. Coun. For. Ministers & World War II Peace Confs, 46-49; Carnegie Endowment lectr., Hague Acad. Int. Law, 55; vis. prof., Pennsylvania, 56-57; assoc. reporter, restatement for rel. law U.S. Am. Law, 61, 62; Fulbright lectr., faculty law, Sao Paulo, 63; mem. Inter-Am. Juridical Cmt. Org. Am. States, 63, 65-66; U.S. Ambassador to Colombia, 64-66; Asst. Secy. of State for Interam. Affairs & U.S. Coordinator of the Alliance for Progress, 67-69. Consult, U.S. Dept. State, 50-52; Rand Corp., 66-67. Polit. Sci. Assn.; Acad. Polit. & Soc. Sci. Soc. Int. Law. Psychological aspects of international relations between developed and developing nations; the development process; systems management in foreign affairs operations. Pub: Contemporary problems of treaty law. In: Recueil des Cours; Reflections on two recent developments affecting the role of law in the international community. In: Law and politics. Address: School of Law, University of Pennsylvania, Philadelphia, Pa. 19104.

OLIVER, DR. DOUGLAS L (EWE) LYN. Anthropology. See L-Z Vol. 11th ed, Soc. & Behav. Vols. New information: Split appt. beginning 1970: Prof. anthropol., Harvard, Jan-Sept. & Hawaii, Sept-Jan. Address: Dept. of Anthropology, University of Hawaii, Honolulu, Hawaii 96822.

OLIVER, PROF. LEAVY W. b. Marion, Ala., Dec. 8, 19; m. 64; c. 3. POLITICAL SCIENCE, SOCIOLOGY. A.B., Miles Col., 42; M.A., Indiana, 52, Ph.D. (polit. sci.), 55; cert. Am. hist., Carnegie Inst. Tech., summer 54. Training officer, U.S. Govt. 51-52; prof. polit. sci., Miles Col., 52-53; Grambling Col., 53-57; Jackson State Col., 57-59; Ala. Agr. & Mech. Col., 58-60; head dept. sociol., Miles Col., 60-64; head dept. hist. & civ. gov., Augustine's, 63. 67; head dept. sociol., Wilberforce, 67-68; PROF. POLIT. SCI., MILES COL., 68- Sr. polit. sci. analyst, South. Res. Inst., Birmingham, Ala., U.S.A., 42-46, T/Sgt. Hist. Assn.; Polit. Sci. Assn.; Sociol. Assn. Pub: The teaching of government in a dynamic society, J. Soc. Sci. Teachers, 4/ 58; The socio-economic status of the Birmingham Negro, 4/ 66 & The Impact of the 14th Amendment in civil rights in the Great Society, 4/ 69. Higher Ed. Among Negroes. Address: Dept. of Political Science, Miles College, Birmingham, Ala. 35208.

OLIVER, PROF. WILLIAM DONALD. Philosophy. See 5th ed, Dir. Am. Scholars, Vol. IV, Philos., Relig. & Law.

OLSEN, PRES. JAMES KARGE. Political Science, Law. See L-Z Vol. 11th ed, Soc. & Behav. Vols. New position: Pres., 68-, Paterson State College, 300 Popton Rd., Wayne, N.J. 07470.

OLSEN, DR. KENNETH M. b. Oak Park, Ill., Mar. 7, 28; m. 54; c. 3. SOCIOLOGY. B.A., Col. Wooster, 50; Roosevelt, 53; M.A., Chicago, 58, trainee, 58-60, Ph.D. (human develop), 69. Teacher physics & math, Tarsus Am. Col., Turkey, 50-52; group worker, Kenwood-Ellis Community Center, Ill., 53-54; Jewish Community Centers of Chicago, 54-59; res. assoc. cmt. human develop, Univ. Chicago, 60-62; asst. prof. sociol. & act. chmn. dept. ST. OLAF COL., 62-64; asst. prof. SOCIOL., 63-65; asst. prof. SOCIOL., 65-67; Nat. Coun. Family Rel. Cross-cultural and subcultural variations in social age differentiation; age grading; timing of major role changes in adulthood; social psychology of maturation and aging. Address: 214 Manitou St., Northfield, Minn. 55057.

OLSEN, DR. OLE, b. Copenhagen, Denmark, Aug. 22, 36; m. 62; c. 1. MARKETING, MANAGEMENT. M.B.A., Wisconsin, 63, Ph.D. (mkt), 65. ASSOC. PROF. MGT., COL. INDUSTRY MGT., GA. INST. TECH., 68- AAAS; Mkt. Assn.; Statist. Assn.; Inst. Mgt. Sci.; Brit. Soc. Long Range Planning; Strategic planning; science policy. Address: College of Industrial Management, Georgia Institute of Technology, Atlanta, Ga. 30332.

OLSEN, DR. RICHARD J. b. Plainfield, N.J., Apr. 2, 40; m. 69. ECONOMICS. B.B.A., Pace Col., 61; M.A., Rutgers, 64, Ph.D. (econ), 67. Instr. ECON., Massachusetts, 65-67, ASST. PROF. 67-69; TENNESSEE, 69- Consult, Oak Ridge Nat. Lab. 70- Economist. Soc. Econ. Assn. The application of quantitative methods to problems in the areas of urban economics, health care delivery systems and industrial structure. Address: Dept. of Economics, University of Tennessee College of Business Administration, Knoxville, Tenn. 37916.

OLSEN, DR. ROGER LEE, b. Mason City, Iowa, June 28, 39; m. 63; c. 2. PSYCHOLOGY. B.A., St. Olaf Col., 62; M.A., South Dakota, 63; Ph.D., Southern Illinois, 68. Psychologist, Lutheran Children's Home, 63-64; asst. prof. psychol., Cent. Col. (Iowa), 64; med. res. assoc. operant conditioning, Anna State Hosp., Ill., 67; ASST. PROF. PSYCHOL. & CHMN. DEPT. ILL. WESLEYAN, 68- Consult, Jacksonville State Hosp., Ill., 68- Adolf Meyer Zone Center, 68- Psychol. Assn. Behavior modification, specifically the application of learning theory principles to education and treatment. Pub: Co-auth., Conditioned suppression as a baseline for social facilitation, J. Exp. Anal. Behav., 69. Address: Dept. of Psychology, Illinois Wesleyan University, Bloomington, Ill. 61701.

OLSON, DR. CARL EDMUND, b. Northampton, Mass., Sept. 14, 37; m. 63; c. 2. AGRICULTURAL ECONOMICS, ECONOMICS. B.S., Wisconsin, 61; M.A., Montana State 63; Resources for Future fel., Okla. State, 65 & 66, Ph.D. (agr. econ), 67. Asst. prof. AGR. ECON., N.Dak. State, 66-69, ASSOC. PROF., summer 69; WYOMING, 69- Instr. Agency Int. Develop. summer insts. N.Dak. State Univ., 68 & 69. Agr. Econ. Assn. Production economics; agricultural policy; regional and area economics; farm management and economic theory; developing information for firm managers; identifying area and regional economic interdependence. Pub: Co-auth., Determining least cost machinery combination, N.Dak. State Univ. Bull., 1/ 69; auth., A technique of identifying the aggregate economic impact of farm enlargement, N.Dak. State Univ. Res. Report, 10/ 69; Agricultural adjustments and area economic interdependence, J. Farm Econ, 12/ 68. Address: Division of Agricultural Economics, University of Wyoming, Box 3354, University Station, Laramie, Wyo. 82070.

OLSON, DR. DAVID RICHARD, b. Saskatoon, Sask., June 16, 35; m. 58; c. 5. PSYCHOLOGY, EDUCATION. B.Ed. Saskatchewan, 60; W.J. Gage fel., Alberta, 61-62, M.Ed. 62, Carnegie fel., 62-63, Ph.D. (learning & cognition), 63. Asst.

- prof. of psychol, Dalhousie, 63-65; Can. Coun. res. fel. cognitive develop, center cognitive studies, Harvard, 65-66; ASSOC. PROF. LANG. & COGNITIVE DEVELOP, ONT. INST. STUDIES IN ED, 66- Can. Coun. leave fel. center res. on teaching, Stanford, 69-70; res. fel. cognitive develop, center cognitive studies, Harvard, summer 64, Can. Psychol. Assn. Publ: Cognitive development: the child's acquisition of diagonality, Acad. Press, 70; co-auth, Conceptual differentiation: quantity and pouring time, Can. J. Behav. Sci, 69; auth, Language and thought: aspects of a cognitive theory of semantics, Psychol. Rev, 70. Address: Dept. of Applied Psychology, Ontario Institute for Studies in Education, 252 Bloor St. W, Toronto 5, Ont, Can.
- OLSON, DR. ERIC HERBERT. Political Science. See L-Z Vol, 11th ed, Soc. & Behav. Vols. New information: Chmn. personnel & finance cmt, Kenosha County Bd. Suprv. Address: Dept. of Political Science, Carthage College, Kenosha, Wis. 53104.
- OLSON, DR. FRED LEWIS, b. Cumberland, Wis, June 24, 28; m. 57; c. 3. AGRICULTURAL ECONOMICS. B.S. River Falls State Teachers Col, 50; M.S. Minnesota, 55, Ph.D. (agr. econ), 62. Mkt. asst., Minnesota, 54-58, asst. dairy mkt, 58-59; asst. prof. mkt, Nebraska, Lincoln, 59-63; assoc. prof. farm mgt, N. Dak. State, 63-65; CHIEF DIV. CURRENT ECON. ANAL., BUR. COMMERCIAL FISHERIES, U.S. DEPT. INTERIOR, 65- U.S.A., 51-53, 2nd Lt. Econ. Asn; Am. Agr. Econ. Asn; Fisheries Soc; Can. Agr. Econ. Soc; Int. Farm Econ. Asn. Price and benefit-cost analysis and fisheries management; public policy related to fisheries, agriculture, and taxation and economic development. Publ: Location theory as applied to milk processing plants, J. Farm Econ, 12/59; Corporate profits taxes, investment and employment, State Univ. Buff, 9/65; Sampling requirements for verification, Food & Agr. Orgn. Tech. Conf, 1/69. Address: 4815 Camelot St, Rockville, Md. 20853.
- OLSON, IRENE MARION. Psychology. See L-Z Vol, 11th ed, Soc. & Behav. Vols. New position & address: Counseling psychologist, 68-, Veterans Administration, 342 N. Water St, Milwaukee, Wis. 53201.
- OLSON, DR. JOSEPHINE E, b. Bronxville, N.Y., Aug. 25, 42. ECONOMICS. A.B. Wellesley Col, 64; Ford Found. & Nat. Sci. Found. fcls, Brown, 65-69, Ph.D. (econ), 69. Res. asst. econ, Fed. Reserve Bank N.Y., 64; econ. asst. transportation, Interstate Commerce Cmn, 67-68; res. asst., Delbert M. Steiner, Transportation Consult, summer 68; ASST. PROF. ECON, BARUCH COL, 69-. Econ. Asn. Transportation; international trade; microeconomics. Address: Dept. of Economics, Bernard M. Baruch College, 17 Lexington Ave, New York, N.Y. 10010.
- OLSON, KENNETH G (GEOGE). Political Science. See L-Z Vol, 11th ed, Soc. & Behav. Vols. New information: Independent consult, 69- Address: 250 M St. S.W., Washington, D.C. 20024.
- OLSON, DR. NORMAN C, b. Tainter, Wis, July 28, 20; m. 44; c. 3. ORGANIZATIONAL BEHAVIOR & ECONOMICS. B.S. Wisconsin, 47; M.S. 48 & 49, Ph.D. (ed), 59. Asst. prof. econ. Concordia Col, (Jefferson), Minn., 49-52; personnel adminstr., Power & Light Co, Madison, 52-59; assoc. prof. bus. admin., Western Illinois, 59-61; mgt. insts., Wisconsin, 61-66; DEAN SCH. BUS, WIS. STATE, EAU CLAIRE, 66- Econ. Asn. Basic criteria for management development programs and organizational behavior. Address: School of Business, Wisconsin State University, Eau Claire, Wis. 54701.
- OLSON, PROF. PHILIP GILBERT. Sociology, Anthropology. See L-Z Vol, 11th ed, Soc. & Behav. Vols. New position & address: Prof. & chmn, 69-, Dept. of Sociology, University of Missouri at Kansas City, 5225 Charlotte, Kansas City, Mo. 64110.
- OLSON, DEAN WALTER, b. Yakima, Wash, May 16, 24; m. 57; c. 3. GEOGRAPHY, ECONOMICS. A.B. Washington (Seattle), 47; M.A. Col. Puget Sound, 49; Ph.D. (geog. econ), Syracuse, 56. Assoc. prof. geog. San Francisco State Col, 55-62 & 63-64; vis. prof. admin., Wisconsin, 62-63; asst. to pres, Mills Col, 64-66; prof. geog. San Francisco State Col, 66-70; DEAN ARTS & SCI, WESTERN ILLINOIS, 70-. Nat. Defense Ed. Act fel, Northwestern Univ, summer 61; Ellis L. Phillips Found. fel, Univ. Wisconsin, 62-63. Dir. Nat. Defense Ed. Act Inst. Geog, Calif, summers 66 & 67. U.S.N.C., 43-46; U.S.A.F.R., 51-61, Capt. Asn. Am. Geog. Asn. Coast Geog. Economic geography; California geography. Publ: Climates of the Bay Area, Landscape Archit, 58; Changing patterns of tomato production in California, Calif. Geog, 68. Address: College of Arts & Sciences, Western Illinois University, Macomb, Ill. 61455.
- OLSON, PROF. WILLARD (LUFFORD). Psychology. See L-Z Vol, 11th ed, Soc. & Behav. Vols. New information: No longer dean sch. ed, Michigan, 70. Address: 301 Barton Shore Dr, Ann Arbor, Mich. 48105.
- OLTMAN, DR. RUTH MARIE. Counseling, Industrial Psychology. See L-Z Vol, 11th ed, Soc. & Behav. Vols. New position & address: Staff assoc. higher ed, 69-, American Association of University Women, 2401 Virginia Ave, Washington, D.C. 20037.
- OLTON, DR. DAVID STUART, b. Montclair, N.J., Jan. 15, 43; m. 65. PHYSIOLOGICAL PSYCHOLOGY. B.A. Haverford Col, 64; M.A. Michigan, 66, Ph.D. (psychol), 69; Florida, 68-69. Teaching asst. PSYCHOL, Michigan, 66-67; ASST. PROF. HOPKINS, 69-. AAAS. Limbic system and subcortical brain mechanisms: avoidance behavior. Publ: Co-auth, Importance of spatial location in active avoidance tasks, J. Comp. & Physiol. Psychol, 65; 535-539; co-auth, Hippocampal lesions and avoidance behavior, 3: 719-724 & auth, Specific deficits in avoidance behavior following penicillin injections into hippocampus, 70, Physiol. & Behav. Address: Dept. of Psychology, Johns Hopkins University, Baltimore, Md. 21218.
- OLTON, PROF. ROY. Political Science. See L-Z Vol, 11th ed, Soc. & Behav. Vols. New information: Also chmn, 69-, Dept. of Political Science, Western Michigan University, Kalamazoo, Mich. 49001.
- O'MALLEY, DR. MICHAEL HOLMES, b. New York, N.Y., Oct. 29, 37; m. 60; c. 2. COMMUNICATION SCIENCE, LINGUISTICS. B.S. Calif. Inst. Tech,
- 60, M.S. 61; M.A. Michigan, 63, Ph.D. (commun. sci), 68. Lectr. commun. sci, MICHIGAN, 67-68, ASST. PROF. COMMUN. SCI & LING, 68- Ling. Soc. Am; Asn. Comput. Ling; Acoustical Soc. Am. Theories of syntax, semantics and speech analysis and synthesis. Publ: Co-auth, An experimental method for prosodic analysis, Phonetica, 66 & Multi-rooted vines in semantic representation, Papers from Regional Meeting, Chicago Ling. Soc, 69; auth, An experimental evaluation of several linguistic hypotheses, Natural Lang. Studies, 2 Univ. Michigan, 69. Address: Dept. of Linguistics, University of Michigan, 188 Frieze, Ann Arbor, Mich. 48104.
- O'NEAL, DR. EDGAR (CARL), b. St. Louis, Mo, Apr. 30, 39; m. 63; c. 1. SOCIAL PSYCHOLOGY. B.A., Duke, 61; B.D. Drew, 63; Ph.D. (psychol), Missouri, 69. Res. asst. center study of higher Ed, Hofstra, 65-66; ASST. PROF. PSYCHOL, TULANE, 69- Psychol. Asn; Soc. Psychol. Study Social Issues; N.Y. Acad. Sci. Person perception; attitude organization and change; aggression; behavior in religious institutions. Publ: Co-auth, Generalization gradients obtained from individual subjects following classical conditioning, J. Exp. Psychol, 78: 171-174; auth, Activation of cue-elicited aggression by general arousal, J. Personality & Soc. Psychol, 11: 289-282 & The influence of anticipated choice on the halo effect, J. Exp. Soc. Psychol, 5: 347-351. Address: Dept. of Psychology, Tulane University, New Orleans, La. 70118.
- O'NEILL, HARRY WILLIAM. Industrial & Business Psychology. See L-Z Vol, 11th ed, Soc. & Behav. Vols. New position: Vpres, Opinion Res. Corp, Princeton, 69- Address: 2 Cleveland Ave, Highland Park, N.J. 08904.
- O'NEILL, DR. JOHN ROY, b. Jefferson Barracks, Mo, Sept. 30, 34; m. 57; c. 4. POLITICAL SCIENCE. A.B. Fresno State Col, 62; fel. & Ph.D. (govt), Claremont Grad. Sch, 67. Instr. GOVT, Chapman Col, 65-66, World Campus Afroat-Chapman Col, 66-67, CHAPMAN COL, 67, ASST. PROF. & CHMN. DEPT, 67- Nat. Sci. Found. Inst. & Health. Ed. & Welfare self study grant, summer 68. Mem. urban affairs cmt, South. Conf. Disciples of Christ, 69- U.S.M.C., 63-60, Sgt. Polit. Sci. Asn. Comparative governments of eastern Europe; political theory; methodology. Publ: Co-auth, World studies, Col. Serv, 68, 69 & 70. Address: 544 N. Center St, Orange, Calif. 92666.
- O'NEILL, SISTER MARY MARGARELLA, O.S.F., b. Philadelphia, Pa, Aug. 6. SOCIOLOGY, ECONOMICS. M.S.N.E.d, Catholic Univ, 51, Ph.D. (sociol), 66. Teacher, parochial sch., Pa, 44-46; assoc. dir. nursing ed, Villanova, 51-56; dir. nursing serv, St. Francis Hosp, Trenton, N.J., 56-59; dir. nursing ed, St. Joseph Hosp, Lancaster, Pa, 59-62; ACAD. DEAN, OUR LADY OF ANGELS COL, 66- Sociol. Asn. Address: Dept. of Sociology, Our Lady of Angels College, Glen Riddle, Pa. 19037.
- ONYEWU, DR. NICHOLAS DONATUS UKACHI. International Relations. See L-Z Vol, 11th ed, Soc. & Behav. Vols. New position & address: Dir, 69-, Black Studies Program, Nassau Community College, Garden City, N.Y. 11530.
- OPLER, PROF. MARVIN K (AUFMANN). Anthropology, Sociology. See L-Z Vol, 11th ed, Soc. & Behav. Vols. New information: Also chmn. dept. anthrop, State Univ. N.Y. Buffalo, 69- Address: 22 Summerwood Court, Buffalo, N.Y. 14223.
- OPLER, PROF. MORRIS EDWARD. Anthropology. See L-Z Vol, 11th ed, Soc. & Behav. Vols. Change of address: Dept. of Anthropology, University of Oklahoma, 506 Dale Hall, Norman, Okla. 73069.
- OPOCHINSKY, DR. SEYMOUR, b. New York, N.Y., Oct. 3, 32; m. 67; c. 1. PSYCHOLOGY. B.A. City Col. New York, 54, M.S. 57; Nat. Inst. Ment. Health fel, Colorado, 63-64, Ph.D. (clin. psychol), 65. Teaching fel. psychol, Colorado, 57-59, teaching assoc, 62-63; fel. clin. psychol, Children's Psychiatric Res. Inst. & Hosp, 59-60; clin. psychologist, Middlesex County Ment. Health Clin, 60-62; vis. asst. prof. PSYCHOL, Denver, 66-67, asst. prof. 67-68; ASSOC. PROF. MANITOBA, 68- U.S. Pub. Health Serv. consult. clin. psychol, Fed. Youth Center, Englewood, Colo, 65-68; Winnipeg Gen. Hosp. Man, 69- U.S.A., 54-56. AAAS. Psychol. Asn; Orthopsychiat. Asn; Acad. Polit. & Soc. Sci. Child clinical psychology; interpersonal perception; community mental health; experimental psychopathology; personality; learning disabilities; child development; college teaching. Publ: Co-auth, College teaching—A methodological study, J. Ed. Psychol, 58 & Needs structure and maladjustment, J. Soc. & Abnorm. Psychol, 62. Address: Dept. of Psychology, University of Manitoba, Winnipeg 19, Man, Can.
- OPPENHEIM, DR. HENRY. Clinical Psychology. See L-Z Vol, 11th ed, Soc. & Behav. Vols. New position: Clin. psychologist, Vet. Admin. Hosp, Northampton, 68-, no longer coordinator clin. psychol. Address: Psychology Service, Veteran Administration Hospital, Northampton, Mass. 01060.
- OPPENHEIM, DR. RONALD WILLIAM. Psychology, Biology. See Suppl. VI to 11th ed, Phys. & Biol. Vols.
- OPPENHEIMER, DR. JOHN R (EED). Ethology, Ecology. See Suppl. VI to 11th ed, Phys. & Biol. Vols.
- OPPENHEIMER, DR. MARTIN, b. Soest, Germany, July 24, 30; U.S. citizen; m. 61; c. 1. SOCIOLOGY. B.S. Temple, 52; M.A. Columbia, 53; Ph.D. (sociol), Pennsylvania, 63. Instr. soc. sci, Temple Community Col, 61-63; dir. sociol. prog., Am. Friends Serv. Cmt, 63-64; asst. prof. sociol., Haverford Col, 64-65; lectr., Bryn Mawr Col, 65-66; asst. prof. Vassar Col, 66-68; assoc. prof. SOCIOL. & chmn. dept., Lincoln (Pa), 68-70; ASSOC. PROF. LIVINGSTON COL, RUTGERS, 70- U.S.A., 53-55. Sociol. Asn. Soc. Study Social Probs. Social movements; collective behavior; race and ethnic relations; social change and revolution. Publ: Co-auth, A manual for direct action, 65 & auth, The urban guerrilla, 69, Quadrangle. Address: Dept. of Sociology, Livingston College, Rutgers, The State University, New Brunswick, N.J. 08903.
- OPPENHEIMER, DR. VALERIE. Sociology, Demography. See L-Z Vol, 11th ed, Soc. & Behav. Vols. Change of address: Dept. of Sociology, University of California, Los Angeles, Calif. 90024.

- OPPERMANN, LT. COL. EDWARD B. U.S.A.F. b. St. Louis, Mo, Jan. 19, 30; m. 53; c. 2. ECONOMICS, MANAGEMENT SCIENCE. B.S., U.S. Naval Acad, 53; M.B.A., U.S. Air Force Inst. Tech, 58; Ph.D.(econ), Indiana, 65. U.S. AIR FORCE, 53-, instr. econ. U.S. AIR FORCE ACAD, 60-62, asst. prof, 65-66, assoc. prof, 66-69, DEPUTY HEAD DEPT. ECON. & MGT, 69- Economic theory, statistics; public finance. Address: Dept. of Economics & Management, U.S. Air Force Academy, Colorado Springs, Colo. 80840.
- OPTON, DR. EDWARD M(LTTON), JR. Psychology. See L-Z Vol, 11th ed, Soc. & Behav. Vols. New position & address: Sr. res. psychologist, 69-, Wright Institute, 2728 Durant Ave, Berkeley, Calif. 94704.
- ORA, DR. JOHN P. JR. b. Oak Park, Ill, Mar. 31, 31; m. 64; c. 2. PSYCHOLOGY. B.A. North Carolina, 60, M.A., 62; Ph.D.(psychol), Vanderbilt, 68. Instr. composition & introd. lit. North Carolina, 62-63; intern psychol, med. center, Kansas, 67-68; ASST. PROF. ED. PSYCHOL. & PRACTICE CLIN. PSYCHOL. GEORGE PEABODY COL, 68. Proj. dir. Regional intervention Proj. Preschoolers & Parents, U.S. Off. Ed. Bur. Ed. Handicapped, 69-Ord.C. U.S.A. 53-55. Psychol. Assn. Soc. Res. Child Develop. Functional analyses of early childhood behavior. Publ: Co-auth, Children's adoption of self-reward patterns: incentive level and method of transmission, Child Develop, 39: 537-544 & Catch the child being good, Today's Ed, 59: 24-25. Address: Box 158, George Peabody College for Teachers, Nashville, Tenn. 37203.
- ORENSTEIN, DR. HOWARD B. b. Bronx, N.Y, Aug. 26, 42. PSYCHOLOGY. B.A. City Univ. New York, 64; M.A. Cincinnati, 68, Ph.D. (psychol), 69. ASST. PROF. PSYCHOL. FURMAN, 69- U.S.A.R. 63- AAAS, Psychol. Assn. Human learning: perceptual learning: motivation. Address: Dept. of Psychology, Furman University, Greenville, S.C. 29613.
- ORENT, DR. AMNON. b. Cologne, Germany, July 30, 35; U.S. citizen; m. 57; c. 2. SOCIOLOGY, ANTHROPOLOGY. B.A. Brooklyn Col, 60; M.A., Arizona, 63; Ph.D.(sociol. anthropol), Boston, 69. Nat. Inst. Ment. Health res. assoc. bur. ethnic res, Arizona, 62-63; instr. SOCIOL. & ANTHROPO. col. lib. arts, Boston, 63-65, 68; ASST. PROF. NEW HAMPSHIRE, 68- Consult, For. Area Fel. Prog, 65-68; Cent. Univ. Res. Fund, 68-70. U.S.A. 55-56. Anthropol. Assn. fel. African Studies Assn. Problems of social and cultural change; African social systems: new world and African ethnography; political anthropology. Publ: Co-auth, Five Kafa biographies. In: Biographies of famous Ethiopians, Humanities, 70; auth, The history of Kafa prior to 1897: a study of political processes, African Hist. Studies, fall 70; Dual organizations in Southern Ethiopia: anthropological imagination or ethnographic fact, Ethnology, Vol. IX, No. 3. Address: Dept. of Sociology-Anthropology, University of New Hampshire, Durham, N.H. 03824.
- ORESCANNI, DR. DANILO. Economics, Business Administration. See L-Z Vol, 11th ed, Soc. & Behav. Vols. New information: Also assoc. dean admin. & asst. to pres, 69-, Indiana University, Bryan Hall 200, Bloomington, Ind. 47401.
- ORFIELD, DR. GARY ALLAN, b. Minneapolis, Minn, Sept. 5, 41; m. 63; c. 1. POLITICAL SCIENCE. B.A. Minnesota, 63; M.A., Chicago, 65, Ph.D.(polit. sci.), 68. ASST. PROF. POLIT. SCI, Virginia, 67-69; PRINCETON, 69- Polit. Sci. Assn. Publ: A study of the termination policy, Nat. Cong. Am. Indians, 66. The reconstruction of Southern education, Wiley, 69. Address: Dept. of Politics, Princeton University, Princeton, N.J. 08540.
- ORGEL, DR. SIDNEY A. Clinical Psychology. See L-Z Vol, 11th ed, Soc. & Behav. Vols. New position: Prof, psychiat, State Univ. N.Y. Upstate Med. Center, 68- Address: Veterans Administration Hospital, 800 Irving Ave, Syracuse, N.Y. 13210.
- ORLEANS, PROF. JACOB S(AMUEL). Psychology. See L-Z Vol, 11th ed, Soc. & Behav. Vols. New information: Emer. prof, psychol, Nevada, 69- Address: 2028 E. Charleston Blvd, Las Vegas, Nev. 89104.
- ORLEBEKE, CHARLES J. Political Science. See L-Z Vol, 11th ed, Soc. & Behav. Vols. New position & address: Exec. asst. to secy, 69-, Dept. of Housing & Urban Development, Room 10224, 451 Seventh St. S.W., Washington, D.C. 20410.
- ORLINSKY, DR. DAVID E(LLIOT). Psychology. See L-Z Vol, 11th ed, Soc. & Behav. Vols. New position: Assoc. prof, 69-, Dept. of Psychology, University of Chicago, Box 106 Cobb Hall, Chicago, Ill. 60637.
- ORLOWSKY, DR. WALLACE J(OSEPH), b. Rochester, N.Y., Nov. 14, 39; m. 61; c. 4. EXPERIMENTAL PSYCHOLOGY. B.A. St. John Fisher Col, 61; N.Y. State Regents fel., Forum, 62, 65, M.A., 63, Nat. Sci. Found. fel., 64, U.S. Pub. Health Serv. fel., 64-65, Ph.D.(psychol), 65. Intern indust. psychol, fed. labs, Int. Tel. & Tel. Co., 62, U.S. Pub. Health Serv. fel. physiol. psychol, N.Y. State Psychiat. Inst, 65-66, trainee, 66-68, assoc. res. scientist, 68-69; ASST. PROF. PSYCHOL. RICHMOND COL.(N.Y.), 69- Res. support grant, Res. Inst. Ment. Hyg, 67-68. Psychol. Assn. Verbal learning; sensory neurophysiology; physiology of emotion; brain behavior relations. Publ: Co-auth, Effect of orientation during stimulus familiarization on paired-associate verbal learning, Psychonomic Sci, 67 & Recovery of aversive thresholds following midbrain lesions in the cat, J. Comp. Physiol. Psychol, 69. Address: Dept. of Psychology, Richmond College, Staten Island, N.Y. 10301.
- ORMAN, DR. ALLAN D. Sociology, Anthropology. See L-Z Vol, 11th ed, Soc. & Behav. Vols. New position & address: V.pres, 69-, Tastes Inc, 1710 Douglas Dr. N. Golden Valley, Minn. 55422.
- ORME, DR. ANTONY RONALD, b. Weston, Eng, May 28, 36; m. 66; c. 1. GEOGRAPHY. B.A. Birmingham, 57, fel, 57-60, Ph.D.(geog), 61. Lectr. Geog. Nat. Univ. Ireland, 60-68; ASSOC. PROF. CALIFORNIA, LOS ANGELES, 68- Vis. lectr. Natal, 66. Consult. geog. Dublin Regional Planning Cmn. Ireland, 65-66. Ed. Geog. Viewpoint, 65- Mem. Irish Nat. Cmt. Int. Geog. Union, 65-68. Am. Quaternary Assn. Assn. Am. Geog. Inst. Brit. Geog. fel. Geol. Soc. London; Assn. Geog. Teachers Ireland (pres, 64-68).
- Fluvial and coastal geomorphology; Quaternary glaciation; periglacial and changing sea levels; quantitative methodology; man's influence in modifying environments; regional and urban planning; urban growth patterns and differentiation within cities. Publ: Ireland, Aldine, Chicago & Longmans, London, 70; Quaternary changes of sea level in Ireland, Trans. Inst. Brit. Geog, 66; Voughan, County Cork—growth, decay, resurgence, Irish Geog, 66. Address: Dept. of Geography, University of California, Los Angeles, Calif. 90024.
- ORMISTON, PROF. DONALD WILLIAM. Clinical & Experimental Psychology. See L-Z Vol, 11th ed, Soc. & Behav. Vols. Change of address: 1001 Cedar Rd, Oxford, Ohio 45056.
- ORNATI, PROF. OSCAR A(BRAHAM). Economics. See L-Z Vol, 11th ed, Soc. & Behav. Vols. New publ: Co-auth, Issuer in urban economics, John Hopkins, 69. Address: 147 Edgars Lane, Hastings-on-Hudson, N.Y. 10706.
- ORNSTEIN, DR. PETER A(RNOLD), b. New York, N.Y., July 6, 42; m. 64; c. 1. PSYCHOLOGY. B.A. Harpur Col, 63; Nat. Insts. Health fel, Queens Col, 64-65, M.A., 65; Nat. Insts. Health fel, Wisconsin, 65-68, Ph.D.(psychol), 68. ASST. PROF. PSYCHOL. PRINCETON, 68- Nat. Inst. Ment. Health grant, 69-70. Psychol. Assn. Classical conditioning; human memory and learning. Address: Dept. of Psychology, Princeton University, Princeton, N.J. 08540.
- ORONA, DR. ANGELO (RAYMOND), b. El Centro, Calif, Oct. 21, 32. ANTHROPOLOGY. B.A. California, Santa Barbara, 60; M.A., California, Los Angeles, 64, Ph.D.(anthropol), 68; fel, Caribbean Inst. Anthropol. & Sociol., Arg. Am. States fel, 64-65. Lectr. ANTHROPO. Mt. St. Mary's Col.(Calif), 66; Yost, Proj. South Florida, 68-69; WINDSOR, 69. U.S.A.F. 51-55. S/Sgt. Fel. Anthropol. Assn.; Ethnol. Soc.; fel. Royal Anthropol. Inst. Gt. Brit. & Ireland. Social organization; religion; folk philosophy; Latin Caribbean and Venezuela; fishermen of Margarita Island, Venezuela. Address: Dept. of Sociology & Anthropology, University of Windsor, Windsor, Ont. Can.
- ORR, DR. DAVID B(RAM). Psychology. See L-Z Vol, 11th ed, Soc. & Behav. Vols. New position: Pres. Sci. Ed. Sys. Inc, 68- Address: 8715 First Ave, Apt. 1022-C, Silver Spring, Md. 20910.
- ORR, DR. DAVID H(AMILTON). Clinical Psychology. See L-Z Vol, 11th ed, Soc. & Behav. Vols. New position: Asst. supt. prog, 68-, Allentown State Hospital, Allentown, Pa. 18103.
- ORR, DR. DOUGLAS MILTON, JR., b. Washington, D.C., Dec. 9, 38; m. 61; c. 2. GEOGRAPHY. B.A. Davidson Col, 61; M.B.A. North Carolina, 64, Ph.D. (geog), 68. ASST. PROF. GEOG. & ASST. TO CHANCELLOR, NORTH CAROLINA, CHARLOTTE, 68- U.S.A. 61-63, Capt. Assn. Am. Geog. Soc. Congressional and legislative redistricting; electoral geography; regional interest in Spain in the United States south. Publ: The Gilbert and Barker Manufacturing Company: an industrial relocation, 67 & Persistence of the gerrymander in N.C. congressional redistricting, 11/69, Southeast. Geogr. Address: Dept. of Geography, University of North Carolina at Charlotte, Charlotte, N.C. 28213.
- ORR, DR. LARRY LYNN, b. Terrville, S.Dak, Feb. 9, 42; m. 62; c. 2. ECONOMICS. B.S. Iowa State, 63; U.S. Steel fel., Mass. Inst. Tech, 63-65, Nat. Sci. Found. fel, 65-66, Resources for Future fel, 66-67, Ph.D.(econ), 67. ASST. PROF. ECON, WISCONSIN, MADISON, 67- Economist, Off. Econ. Opportunity, Wash. D.C. 69-70. Consult, U.S. Dept. Health, Ed. & Welfare, 69. Econ. Assn; Nat. Tax Assn. Urban economics; income maintenance and the economics of poverty. Publ: Incidence of differential property taxes on urban housing, Nat. Tax. J., 9/68. Address: Dept. of Economics, University of Wisconsin, Madison, Wis. 53706.
- ORR, DR. MARK T., b. Mt. Croghan, S.C., Apr. 20, 14; m. 44; c. 2. SOCIAL SCIENCE, POLITICAL SCIENCE. A.B. North Carolina, 37; Ph.D.(polit. sci.), 54; Virginia, 44; Michigan, 45. Asst. dir. South. Coun. Int. Rels, 37-41; instr. for. affairs, Tampa, 41-42; chief ed. reform, ed. div. gen. hq. Supreme Comdr. Allied Powers, Tokyo, Japan, 46-49; instr. Far East polit, North Carolina, 49-51; COORDINATOR, INT. STUDIES & PROGS, SOUTH FLORIDA, 66-, ASSOC. PROF. INTERDISCIPLINARY SOC. SCI. & CHMN. DEPT. 67- U.S.A.F. 41-46, 51-56, Col. Polit. Sci. Assn; Int. Studies Assn. Japanese education and politics. Publ: Co-auth, Education in Japan, U.S. Govt, 46. Address: Dept. of Interdisciplinary Social Sciences, University of South Florida, Tampa, Fla. 33620.
- ORRICK, DR. PERRY O., b. Minot, N.Dak, Nov. 6, 40; m. 59; c. 3. PSYCHOLOGY. B.A., North Dakota, 63, M.A., 64, Ph.D.(clin. psychol), 68. Intern clin. psychol, N.Dak. State Hosp, 66-67, clin. psychologist, 67-68; asst. prof. CLIN. PSYCHOL, Idaho State, 68-69; DIR. SOUTHWEST COUNSELING SERV, 69- Instr. Jamestown Col, 67-68. Clin. psychol. consult, N.Dak. Pub. Welfare Bd, 65; consult. clin. psychologist, Southeast. Idaho Ment. Health Center, 69. Psychol. Assn; Application of verbal conditioning to psychotherapy and to induce behavior: change; behavior modification through systematic desensitization and self-induced hypnotic states. Publ: Co-auth, Research methods in child personality development, Univ. North Dakota, 63, auth, Descriptive study of a selected group of chronic alcoholic admissions, N.Dak. State Hosp, 66; co-auth, The measurement of anxiety on the sentence completion test, J. Gen. Psychol, 68. Address: Southwest Counseling Service, Box 1632, Rock Springs, Wyo. 82901.
- ORZACK, DR. LOUIS H. Sociology. See L-Z Vol, 11th ed, Soc. & Behav. Vols. New position: Prof. sociol, Rutgers, 69- Address: 7 Bunny Circle, Newton, Mass. 02158.
- ORZACK, DR. MARESSA HECHT. Experimental Psychology. See L-Z Vol, 11th ed, Soc. & Behav. Vols. Change of address: Boston University Medical School, 80 E. Concord St, Boston, Mass. 02118.
- OSANKA, DR. FRANKLIN MARK, b. Chicago, Ill, Aug. 21, 36; m. 59; c. 4. SOCIOLOGY. B.S. in Ed, Northern Illinois, 60, M.A., 61; M.A., Northwestern,

- 69, Ph.D.(sociol), 70. Teaching asst. sociol, Northern Illinois, 61; res. assoc. cross-cultural commun. & soc. change in developing countries of S.E. Asia, 61-62; soc. sci. consult, D.C. 62-63; res. soc. scientist, U.S. Naval Test Sta, China Lake, Calif, 63-64; res. sociologist, Stanford Res. Inst, 64-69; lect. sociol. & S.E. Asian studies, Nat. Col. Ed, 69-70; ASSOC. PROF. SOCIOL. & ANTHROP. & CHMN. DEPT, N.CENT. COL.(ILL), 70-Inst. Ridgecrest div, California, Los Angeles, 64; participant, Inter-Univ. Seminar on Armed Forces & Soc. 68- Intel. C, U.S.M.C., 53-56, Sgt. Thailand Siam Soc. Sociol. Asn. Acad. Polit. & Soc. Sci. Asn. Asian Studies; Asia Soc. Political sociology: systematic examination of guerrilla warfare as means of political and social change; Southeast Asia: political, economic and social foundations and regional influences of Thailand; military sociology: military as a social institution. Publ. Ed. Modern guerrilla warfare, Free Press, 62 & 70, German ed, 64, Chinese ed, 66; auth. Internal warfare: guerrilla warfare, Vol. VII, In: International encyclopedia of the social sciences, Macmillan, 68; Social dynamics of revolutionary guerrilla warfare, In: Handbook of military institutions, Inter-Univ. Seminar on Armed Forces & Soc. Univ. Chicago, 70. Address: Dept. of Sociology & Anthropology, North Central College, Naperville, Ill. 60564.
- OSBORNE, DR. JAMES GRAYSON, b. Vancouver, B.C. Sept. 25, 38; m. 62; c. 2. PHYSIOLOGICAL PSYCHOLOGY. B.A. Arizona State, 61, M.A. 64, Ph.D.(psychol), 68. Staff psychologist, Hearing Test & Child Study Center, N.Mex. Sch. for Deaf, 65-68, dir. 68-69; ASST. PROF. PSYCHOL, UTAH STATE, 69- Lectr. Univ. New Mexico, 68-69; depts. audiol. & spec. ed, Texas Tech. Col, summer 69. AAAS; Psychol. Asn. Experimental analysis of human operant behavior, child development. Publ. Co. intertrial movements during disturbed shock-escape conditioning, Psychonomic Sci, 65 & Some operant conditioning techniques and their use in schools for the deaf, Am. J. Deaf, 69; auth. Free-time as a reinforcer in the management of classroom behavior, J. Appl. Behav. Anal, 69. Address: Dept. of Psychology, Utah State University, Logan, Utah 84321.
- OSBORNE, PROF. MELVILLE ELLSWORTH, b. Rockland, Maine, May 9, 18; m. 48; c. 2. POLITICAL SCIENCE. A.B. Boston, 39, A.M. 40; Ph.D.(polit. sci), Syracuse, 45. Instr. polit. sci, Syracuse, 43-44; Rochester, 44-45; vice-consul, Am. Embassy, U.S. Dept. of State, Paris, France, 45-47, admin. officer, Guatemala, 47-50, person. econ. pol. State, 50-51, econ. officer, Am. Embass, Mex. 51-54, Rio de Janeiro, Brazil, 54-58, officer in charge Mex. affairs, Bur. Inter-Am. Affairs, 58-62, polit. officer, Am. Embassy, La Paz, Bolivia, 62-64, asst. dir. in charge Haiti & Dominican Repub. Bur. Inter-Am. Affairs, 64-68; PROF. POLIT. SCI. & DIR. IBERO-AM. CIVILIZATION, SOUTHERN METHODIST, 68- Polit. Sci. Asn. Soc. Pub. Admin. Latin Am. Studies Asn. Research in social, economic and political systems of Latin America, the Caribbean, Spain and Portugal; cross cultural and comparative political research. Address: 3641 Stratford Ave, Dallas, Tex. 75205.
- OSBUN, PROF. DONALD L, b. Hardin Co, Ohio, Dec. 17, 22; m. 45; c. 2. MANAGEMENT, ECONOMICS. B.S. Iowa State, 58, M.S. 64; Ohio State, 64-68. Agr. economist, U.S. Dept. Agr. Ames, Iowa, 58-61; res. assoc., Ohio State, Wright-Patterson Air Force Base, 61-64, instr. agr. exten., Ohio State, 64-66; ASSOC. PROF. MGT. & ECON. S.DAK. STATE, ELLSWORTH AIR FORCE BASE, 68- U.S.A.R. 62-64, Maj. Military and non-military logistics. Address: Dept. of Economics, South Dakota State University Minuteman Graduate Center, Ellsworth Air Force Base, S.Dak. 57706.
- OSBURN, DR. DONALD D, b. Fairfax, Mo, Nov. 2, 36; m. 57; c. 4. AGRICULTURAL ECONOMICS, ECONOMICS. B.S. Nat. Defense fel, Missouri, 60; M.S. N.C. State, 63, Ph.D.(econ), 66. Agr. econ. prof., 66-68; agr. econ. prof., econ. Missouri, 66-67; ASST. PROF. agr. indus., Southern Illinois, 67-69; AGR. ECON. PRACTICAL ARTS & VOC. TECH. ED. MISSOURI-COLUMBIA, 69- Consult. U.S. Equal Employment Opportunity Cmn, 66-67, res. grant, 67. U.S.A. 55-57; Agr. Econ. Asn; Voc. Asn. Factors affecting employment of minority groups: cost and return associated with human migration; economies of size associated with public schools; environmental control for livestock. Publ. Co-auth. Economics of environmental control for livestock, Can. J. Agr. Econ. 66 & Feasibility of summer environmental control for dairy cattle based on expected production losses, Am. Soc. Agr. Engr. 69; auth. Economics of size associated with public high school, Rev. Econ. & Statist, 70. Address: Dept. of Agricultural Economics, University of Missouri-Columbia, Columbia, Mo. 65201.
- OSGOOD, PROF. ROBERT E(NDICOTT). Political Science. See L-Z Vol. 11th ed, Soc. & Behav. Vols. New information: Mem. staff, Nat. Security Coun, 69- Address: 5502 Park St, Chevy Chase, Md. 20015.
- O'SHEA, DR. ARTHUR J, b. Boston, Mass, Sept. 23, 28; m. 67; c. 2. COUNSELING PSYCHOLOGY. A.B. Weston Col, 52, M.A. 53; Innsbruck, 56-57; M.Ed. Boston Col, 63, fel. 65-66, Ph.D.(counseling psychol), 67. Teacher, high sch, Maine, 53-56; teacher & counselor, pub. schs, Mass, 56-65; counseling psychologist, Northeastern, 66-68; ASSOC. PROF. PSYCHOL, ROBERT STATE COL, 69- Summer consult, U.S. Off. Ed. Inst. Adult Counseling, Northeastern, 69; Municipal Police Sci. Inst. Inc, 69- Psychol. Asn; Personnel & Guid. Asn. Personality correlates of academic achievement; vocational interest measurement; counseling process; psychological evaluation of police candidates; vocational development theory. Publ. Peer relationships and male academic achievement: a review and suggested classification, Personnel & Guid. J, 47: 417-423. The low achievement syndrome among bright junior high school boys, J. Ed. Res. 2/70; Using the Svib and Kuder, Form DD, with the same clients, J. Counseling Psychol, (in press). Address: Dept. of Psychology, Boston State College, 625 Huntington Ave, Boston, Mass. 02115.
- OSHIMA, DR. EUGENE AKIO. Science Education, Biology. See Suppl. V to 11th ed, Phys. & Biol. Vols.
- OSPOW, PROF. SAMUEL HERMAN. Psychology. See L-Z Vol. 11th ed, Soc. & Behav. Vols. New position: Prof. 69- Dept. of Psychology, Ohio State University, 1945 N. High St, Columbus, Ohio 43210.
- OSMAN, DR. JACK WILLIAM, b. New York, N.Y. Nov. 30; 38; m. 61; c. 2. ECONOMICS. B.S. Rutgers, 61, M.A. 63, Ph.D.(econ), 66. Instr. ECON. col. arts & sci, Rutgers, 64-66, asst. prof. 66-67; SAN FRANCISCO STATE COL, 67-69; ASSOC. PROF. 69- Vis. assoc. prof., California, Berkeley, 70- participant, Nat. Sci. Found. Comput. Workshop Local Area Res, Boulder, Colo, summer 69. Econ. consult, urban ed. proj, Nat. Urban Coalition, California, Berkeley, 69; Coord. Coun. Higher Ed, Calif, 69-70. Econ. Asn; Nat. Tax Asn; Economet. Soc. Application of quantitative methods to problems in state and local finance with emphasis on education; computerized methods in economic analysis. Publ. Co-auth. Alternative methods of state support for independent higher education in California, Coord. Coun. Higher Ed. 70; auth. The dual impact of federal aid on state and local government expenditures, 12/66 & On the use of intergovernmental aid as an expenditure determinant, 12/68, Nat. Tax J. Address: Dept. of Economics, San Francisco State College, San Francisco, Calif. 94132.
- OSMON, DEAN WILLIAM RAYMOND, b. Clinton, Ind, Oct. 17, 37; m. 57; c. 2. PSYCHOLOGY, EDUCATION. B.S. Indiana State, 60; M.Ed. Florida, 62; Ed.D.(educ. psychol), Indiana, 64. Asst. prof. guid. & counseling, Indiana, 64-65; dir. instr. rel. & testing, INDIANA STATE, 65-68. DEAN STUDENT ADMIN. SERV, 68- Psychol. Asn. Academic achievement; prediction of academic services; test analyses; student information systems. Publ. Information systems in student personnel administration, In: New dimensions in higher education, Humanities, 70. Address: Student Administrative Services, Indiana State University, Terre Haute, Ind. 47809.
- OSSEER, DR. HARRY. Psychology. See L-Z Vol. 11th ed, Soc. & Behav. Vols. New information: Vis. assoc. prof., psychol, California, Berkeley, 69- Address: Dept. of Psychology, San Francisco State College, 1600 Holloway Ave, San Francisco, Calif. 94132.
- OSSMAN, DR. ALBERT JOHN, JR, b. Dunkirk, N.Y. May 23, 27; m. 61; c. 1. POLITICAL SCIENCE. A.B. Syracuse, 50, M.A. 51, D. Ed. 54, Instr. polit. sci, Chatham Col, 57-59, asst. prof. polit. sci. & econ, 59-63, assoc. prof. 63-68; DIR. DIV. SOC. SCI, EISENHOWER COL, 68- Participant, Nat. Sci. Found. Conf. Math. Appln. Polit. Sci, Va. Polytech, summer 66. Mem. bd. exam, gen. area exam, Ed. Testing Serv, Princeton, 68- C.Eng. U.S.A. 44-46; Nat. Guard, 47-52, 1st Lt. Polit. Sci. Asn; Law & Society Asn. Canadian external relations; consumer buying intentions; violence and extremist behavior; social change. Address: Division of Social Sciences, Eisenhower College, Seneca Falls, N.Y. 13148.
- OST, DR. JOHN W(ILLIAM) P(HILIP). Psychology. See L-Z Vol. 11th ed, Soc. & Behav. Vols. New position: Address: Assoc. prof. & chmn. 69- Dept. of Psychology, Northern Michigan University, Marquette, Mich. 49855.
- OSTER, PROF. CLINTON V(ICTOR). Economics. See L-Z Vol. 11th ed, Soc. & Behav. Vols. New information: Also dir. div. pub. admin, 68- College of Administration Science, Ohio State University, 1775 S. College Rd, Columbus, Ohio 43210.
- OSTERGREEN, CLARENCE N(APOLEON). Economics. See L-Z Vol. 11th ed, Soc. & Behav. Vols. Change of address: Apt. 4J Burgundy, Scarsdale, Chateaux, Scarsdale, N.Y. 10583.
- OSTERHAUS, DEAN LEO B, b. Fargo, N.Dak, Jan. 20, m. 43; c. 2. BUSINESS ADMINISTRATION. B.S. Kansas State, 42; M.S. Trinity (Tex), 61; Ph.D.(bus. admin), Texas, Austin, 66. Staff & command positions, U.S. Army, 42-50, chief personnel div. & instr. Artl. Sch, Ft. Sill, Okla. 50-52, personnel officer & asst. to Adj. Gen, 31st Infantry Div. & Camp Artillery, 46; 52-54, chief dependant movement sect, Hq. Army Medical Corps, Germany, 54-57, chief personnel div. Ga. Mil. Dist. & XII Army Reserve Corps, Ga. 57-59, Med. Field Serv. Sch. Ft. Sam Houston, Tex. 59-64; asst. prof. hosp. admin, Baylor, 64-66; PROF. BUS. ADMIN. ST. EDWARD'S, 66- DEAN & DIR, HOLY CROSS COL, 69- Vis. assoc. prof., Texas, Austin, 66- Gilbreth mgt. award, 66. U.S.A. 42-64, Lt. Col. Acad. Mgt. Mgt. Asn. Labor relations in hospitals; organizational theory in hospitals and business; personnel management in hospitals, government and business. Publ. Industrial relations systems in the hospital industry, Personnel J, 5 & 6/68; Union-management relations in 30 hospitals change little in three years, Hosp. Progress, 10/68; Systems concepts for hospitals, Hosp. Adminstr, summer 69. Address: 8307 Tecumseh Dr, Austin, Tex. 78753.
- OSTERMEIER, DR. TERRY HARLAN. Speech Communication. See 5th ed, Dir. Am. Scholars, Vol. II, Eng. Speech & Drama.
- OSTERWEIL, DR. JERRY. Clinical Psychology. See L-Z Vol. 11th ed, Soc. & Behav. Vols. New position: Acting assoc. dir. div. manpower & training progs, Nat. Inst. Ment. Health, 69- Address: 6612 Maryland Rd, Bethesda, Md. 20034.
- OSTLUND, PROF. L(EONARD) A(LEXANDER). Social Psychology. See L-Z Vol. 11th ed, Soc. & Behav. Vols. New position: Prof. 68- Dept. of Guidance & Counseling, Ohio University, Athens, Ohio 45701.
- OSTRICH, RALPH. Psychology, History. See L-Z Vol. 11th ed, Soc. & Behav. Vols. New position: Sr. res. assoc. ALJ Assocs, Inc, 68- Address: 2400 41st St. N.W., Washington, D.C. 20007.
- OSTROM, DR. ELLNOR. Political Science. See L-Z Vol. 11th ed, Soc. & Behav. Vols. New position: Assoc. prof., 69- Dept. of Political Science, Indiana University, Bloomington, Ind. 47401.
- OSTROM, DR. GENE F. Clinical Psychology. See L-Z Vol. 11th ed, Soc. & Behav. Vols. New position & address: Dir. ment. health day center, 66-, Baltimore County Bureau of Mental Health, 1520 Pieltier Ave, Baltimore, Md. 21220.
- OSTROM, DR. THOMAS M(ARSHALL). Psychology. See L-Z Vol. 11th ed, Soc. & Behav. Vols. New position: Assoc. prof., 69- Dept. of Psychology, Ohio State University, 1945 N. High St, Columbus, Ohio 43210.

- OSTRY, DR. SYLVIA. Labor Economics. See L-Z Vol, 11th ed, Soc. & Behav. Vols. New position: Dir. Econ. Coun. Can, 69- Address: Aylmer Rd, R.R. 2, Aylmer East, Que. Can.
- OSTWALD, DR. PHILLIP F. Operations Research. See Suppl. V to 11th ed, Phys. & Biol. Vols.
- OSTWALD, DR. JAY HAROLD. Educational Psychology. See L-Z Vol, 11th ed, Soc. & Behav. Vols. New information: Also registr., Davidson College, Davidson, N.C. 28036.
- OSWALT, DR. ROBERT L. Linguistics. See 5th ed, Dir. Am. Scholars, Vol. III, For. Lang. Ling. & Philol.
- OSWALT, DR. ROBERT MCNEILL, b. Danville, Ill, Sept. 3, 38. PSYCHOL-OGY. B.A., DePaul, 60; M.A., La. State, 62, Ph.D. (psychol), 65. Staff psychologist, McCormick Co, Ill, 64-65; consult, Booz-Allen & Hamilton, Inc, 65-67; ASST. PROF. PSYCHOL, SKIDMORE COL, 67- Consult, hosp. im-prov. prog, Dept. Correction, N.Y., 67- Psychol. Assn. Aviation psychology; conf. resolution. Address: Dept. of Psychology, Skidmore College, Saratoga Springs, N.Y. 12866.
- OTIS, DR. GERALD DENNIS, b. Northfield, Minn, Feb. 14, 38; m. 65. PSY-CHOLOGY. B.A., Minnesota, 61; M.A. & Ph.D. (psychol), Arizona, 66. In-tern psychol, Vet. Admin. Hosp, Palo Alto, Calif, 65-66; instr. PSYCHIAT, SCH. MED, NEW MEXICO, 66-67; ASST. PROF. 67- Mem. sci. staff, Berna-llillo County Med. Center, N.Mex, 66- AAAS; Psychol. Assn. Human learn-ing; family processes; interpersonal cognition. Publ: Co-auth, Towards a theory for therapeutic intervention in families, J. Consult. Psychol, Vol. 30, No. 5. Sampling of redundant cues in a successive discrimination problem, J. Psychol, 67: 287-292 & Interaction of extraversion and anxiety in an instru-mental avoidance task, J. Exp. Res. in Personality, 6/68. Address: Dept. of Psychiatry, University of New Mexico School of Medicine, Albuquerque, N.Mex. 87106.
- OTIS, DR. LEON S(PELLY). Experimental Psychology. See L-Z Vol, 11th ed, Soc. & Behav. Vols. New information: Also dir, 69-, Neurobiology Dept, Stanford Research Institute, Menlo Park, Calif. 94025.
- OTT, DR. ATTIAI FARAG. Economics. See L-Z Vol, 11th ed, Soc. & Behav. Vols. Correspondence: P.O. Box 62, St. John's, Nfld., Canada. New position & address: Assoc. prof., 69-, Dept. of Economics, Clark University, 950 Main St, Worcester, Mass. 01610.
- OTT, PROF. DAVID J(ACKSON). Economics. See L-Z Vol, 11th ed, Soc. & Behav. Vols. New position & address: Prof., 69-, Dept. of Economics, Clark University, Worcester, Mass. 01610.
- OTTEN, DR. C. MICHAEL, b. Peoria, Ill, Feb. 10, 34; m. 67. SOCIOLOGY. B.A. St. Johns, 55; M.A., California, Berkeley, 65, Ph.D. (sociol), 68. Res. asst. SOCIOL, Center Study Law & Society, California, 65-68; ASST. PROF, SAN JOSE STATE COL, 68- Intel. C. U.S.A. Social. Assn. Publ: Ruling out paternalism, J. Behav. Sci, 5/68; Authority, students and society: the Berkeley experience, Univ. California, 9/69. Address: Dept. of Sociology, San Jose State College, 125 S. Seventh St, San Jose, Calif. 95114.
- OVERGAARD, PROF. HERMAN OLAF JOHAN, b. Winnipeg, Man, Apr. 19, 20; m. 49; c. 3. INTERNATIONAL BUSINESS & MARKETING. B.A., Manitoba, 43; M.S. Columbia, 50, Ph.D. (bus), 60; dipl. Oslo, 62. Assessor, Dept. Nat. Revenue, Govt. Can, 44-45; export dept, Cockshut Farm Equip. Co. Ltd, 45-47; asst. prof. bus. & econ, WATERLOO LUTHERAN, 47-50, head dept, 49-65; dir. sch. 65-67, PROF. INT. BUS, 67- Lectr, Columbia, 50-51; Falconbridge Nickel Co, fel. 62. Consult, UN Cmt. Trade & Develop-Gen. Agreement on Tariff & Trade Int. Trade Center, Geneva, 59-68. Secy-treas, Asn. Can. Schs. Bus, 58-59 & 65-; mem. ed. cmt. Can. Chamber of Commerce. Can. Econ. Assn. International business; marketing; water re-sources. Publ: International business management lectures, Waterloo Lutheran, 62; The emerging problems of water use, Can. J. Agr. Econ, 6/62 & A Canadian crisis—the need to internationalize Canadian business school curricula, Conf. Proc. Assn. Can. Schs. Bus, 6/70. Address: Dept. of In-ternational Business, School of Business & Economics, Waterloo Lutheran University, Waterloo, Ont, Can.
- OVERSTREET, DR. ROBERT EDWARD, b. Scottsbluff, Neb, June 23, 44; m. 66. ADMINISTRATIVE SCIENCES. A.B., Stanford, 66; Earhart Found. fel. Purdue, 67-68, Ph.D. (admin. sci), 69- ASST. PROF. ADMIN. STUDIES, YORK, 69- Am. Econ. Assn; Am. Psychol. Assn; Can. Econ. Assn; Can. Polit. Sci. Assn. N-person games; social exchange theory; computer and gaming simulations. Publ: Simulation models of prisoners' dilemma game, In: Com-puter simulation of human behavior, Wiley, 70; co-auth, Predicting coopera-tion from two sexes in a conflict situation, J. Personality & Soc. Psychol, 10: 35-43; auth, Social exchange processes in an n-person cooperative game, Purdue Univ, 69. Address: Faculty of Administrative Studies, York Univer-sity, Toronto, Ont, Can.
- OVESON, LT. COL. RICHARD M. U.S.A.F. b. Corvallis, Ore, Jan. 5, 30; m. 57; c. 3. ECONOMICS. B.A., Brigham Young, 55; M.P.A., Harvard, 65, Ph.D. (econ), 69. U.S. AIR FORCE, 55-, asst. prof. econ, U.S. Air Force Acad, 66-68, syst. analyst, 69-70, ASSOC. PROF. ECON, U.S. AIR FORCE ACAD, 70- Summers, consult, Rand Corp, 67, Regional Serv. Inst, South. Colo. State Col, 67. Economet. Soc. Properties of regression estimators when absolute deviations are minimized; application of economic and econo-metric theory to military problems of all types. Address: Dept. of Eco-nomics, U.S. Air Force Academy, Colorado Springs, Colo. 80840.
- OWEN, PROF. (EDGAR) LYLE. Economics, Political Science. See L-Z Vol, 11th ed, Soc. & Behav. Vols. New information: No longer head, Dept. of Economics, University of Tulsa, Tulsa, Okla. 74104.
- OWEN, DR. RICHARD EWAN, b. Montreal, Que, July 22, 11; m. 39; c. 1. POLITICAL SCIENCE. B.A., Southern California, 33, M.A., 36, M.S., 37, Ph.D. (int. rels. polit. sci), 64; American Univ, Shrivensham, Eng, 45; sum-mers, Harvard, 51, Columbia, 52, Oxford, 54; Calif. State Col. Los Angeles, 65. Teacher, high sch, Calif, 51-59; instr. polit. sci. & econ, Los Angeles, Metrop. Col, 59-62, asst. prof, 62-64, head couns., 64-65, asst. prof. polit. sci. & econ. & couns., 65-66; ASSOC. PROF. POLIT. SCI. & ECON, LOS ANGELES TRADE TECH. COL, 66-, EVE. COORDINATOR BUS. ED. & GEN. STUDIES, 67-, eve. asst. dean, 66-67. Polit. & financial consult, Midland Oil Corp, 68- U.S.A., 43-46. Am. Polit. Sci. Assn; Int. Polit. Sci. Assn. Eco-nomic and political unification of Western Europe. Publ: United States of Europe: a twentieth century challenge to nationalism, Univ. Michigan Micro-film, 6/64. Address: 6145 W. 74th St, Los Angeles, Calif. 90045.
- OWEN, PROF. (WILLIAM) (VERN). Economics. See L-Z Vol, 11th ed, Soc. & Behav. Vols. Change of address: 9916 Columbus Circle, Albuquerque, N.Mex. 87114.
- OYOS, PROF. LYNWOOD E. Modern European History, Recent American Diplomacy. See 5th ed, Dir. Am. Scholars, Vol. I, Hist.
- OZEHSKY, DR. RICHARD J. b. Flushing, N.Y. Feb. 27, 38; m. 68. PSY-CHOLOGY. B.A., Niagara, 60; M.S. St. John's N.Y., 63, Ph.D. (psychol), 67. Permanent substitute teacher, pub. schs, N.Y. 60-61, teacher, 61-63; sch. psychologist, Lindhurst pub. schs, 63-67; ASST. PROF. PSYCHOL, ST. JOHN'S (N.Y.), 67. Psychol. Assn. Self-concept, mental retardation, psycho-therapy; developmental psychology. Publ: Co-auth Veridicality and stability of retarded adolescents' perceptions of normals' acceptance and rejection, Perceptual & Motor Skills, 12/65. Address: 43-25 Douglaston Pkwy, Doug-laston, N.Y. 11363.
- OZINGA, DR. JAMES R. b. Grand Rapids, Mich, Mar. 6, 32; m. 59; c. 3. POLITICAL SCIENCE. A.B., Calvin Col, 56; B.D., Calvin Theol. Sem, 59; M.A., Western Michigan, 64; Nat. Defense Ed. Act fel. Mich. State, 65, Ph.D. (polit. sci), 68. Instr. POLIT. SCI., OAKLAND, 67-68, ASST. PROF. 68- U.S.A.F. 51-53, Res. 53-58. Polit. Sci. Assn; Asn. Adv. Slavic Studies. Con-temporary Soviet political system; ideology of communism and the political systems of Eastern Europe. Address: 62 Bellarmine Dr, Rochester, Mich. 48063.
- OZMON, PROF. HOWARD A., JR. Philosophy, Education. See 5th ed, Dir. Am. Scholars, Vol. IV, Philos, Relig. & Law.
- OZMON, DR. KENNETH L(AWRENCE), b. Portsmouth, Va, Sept. 4, 31; m. 68; c. 1. PSYCHOLOGY. B.A., St. Bernard Col, 55; M.A., Catholic Univ, 63; trustee scholar, Maine, 65-67, Nat. Defense Ed. Act fel, 67-68, Ph.D. (psy-chol), 68. Asst. prof. psychol. & ed, St. Bernard Col, 60-62; spec. lectr. PSYCHOL, Marianopolis Col, 63-65; asst. prof. Chicgo State Col, 68-69; ASSOC. PROF. UNIV. PRINCE EDWARD ISLAND, 69- AAAS. Sensation and perception; physiological psychology; animal behavior. Publ: Imprinting and following in Japanese quail (Coturnix coturnix japonica), Quail Quar-t, 70. Address: Dept. of Psychology, University of Prince Edward Island, Charlottetown, P.E.I., Can.

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- PABLEY, DR. JAG MOHAN S. Marketing. See L-Z Vol, 11th ed, Soc. & Behav. Vols. New position & address: Assoc. prof., 69-, Dept. of Marketing, Federal City College, 1331 H St. N.W., Washington, D.C. 20005.
- PACE, DR. (ALPH) WAYNE. Speech, Communication. See L-Z Vol, 11th ed, Soc. & Behav. Vols. New position: Prof. Dept. of Speech Communication, University of Montana, Missoula, Mont. 59801.
- PACKER, PROF. HERBERT L. Law. See 5th ed, Dir. Am. Scholars, Vol. IV, Philos, Relig. & Law.
- PADAWER-SINGER, DR. ALICE MARIE, b. Paris, France, Dec. 16, 22; U.S. citizen; m. 44; c. 2. PSYCHOLOGY. LAW. B.A., N.Y. Univ, 44; scholar, Columbia, 44, M.A., 60, pres. fel., 62-63, Ph.D. (soc. psychol), 65. Journalist, ed. France Amerique, 44; asst. leader group psychoanal, Dr. H. Holt, 55-58; lectr. psychol, Brooklyn Col, 61-62; instr. rehab. & sv. investr. Albert Ein-stein Col. Med, 65-66; ASSOC. PROF. ED. & PSYCHOL, LONG ISLAND, 66-; RES. ASSOC. & DR. PROJ. FREE PRESS-FAIR TRIAL, BUR. APPL. SOC. RES, COLUMBIA, 66- Lectr, Brooklyn Col, 66; res. assoc. & co-dir. res. proj, Center Human Rel., N.Y. Univ, 66; lectr, California, Berkeley, 67; Russell Sage Found. & Columbia Broadcasting Corp. res. grant, 70. Consult, N.Y. State Dept. Ed, 66-, Human Affairs Res. Center, 68-; Head Star, New York City, 69; adv. Cmnr. Allen, 69. Asn. Appl. Psychoanal; Psychol. Assn. Comp. Ed. Soc. Soc. Psychol. Study Social Issues. Group dynamics; sen-sitivity training; attitude change; self concept of children; rehabilitation; drug addiction; human engineering; decisions in legal cases; free press-fair trial; trial publicity and jury behavior and decisions; jury experiments in courts. Address: 130 E. 67th St, New York, N.Y. 10021.
- PADELFORD, EDWARD A.(LOYSIUS), JR. Political Science, Economics. See L-Z Vol, 11th ed, Soc. & Behav. Vols. Change of address: 4000 Tunlaw Rd, N.W. Apt. 912, Washington D.C. 20007.
- PADELFORD, PROF. NORMAN J(UDSON). Political Science, International Relations. See L-Z Vol, 11th ed, Soc. & Behav. Vols. New information: Sr. lectr. ocean policy, dept. naval archit, Mass. Inst. Tech, 69-; mem. Presi-dents Task Force on Oceanog, 69- New Publ: Public policy and use of the seas, M.I.T., 68. Address: Dept. of Political Science, Massachusetts Insti-tute of Technology, Cambridge, Mass. 02139.
- PADEN, DR. DAVID L(OWRY). Economics, Business Administration. See L-Z Vol, 11th ed, Soc. & Behav. Vols. New position: Sr. adv. econ. & mgmt. sci., 68-, Midwest Research Institute, 425 Volker Blvd, Kansas City, Mo. 64110.

- PADFIELD, DR. HARLAND IRVINE.** Cultural Anthropology. See L-Z Vol, 11th ed, Soc. & Behav. Vols. New position: Assoc. prof., Dept. of Anthropology, University of Arizona, Tucson, Ariz. 85721.
- PADGETT, DR. JERRY HILL.** Economics. See L-Z Vol, 11th ed, Soc. & Behav. Vols. New information: Dir. grad. studies, 69-. College of Business Administration, University of Georgia, Athens, Ga. 30601.
- PAGE, PROF. EDWARD L(UPTON).** Industrial Engineering. See L-Z Vol, 11th ed, Soc. & Behav. Vols. New position: Spec. vis. lect. sch. mgt. studies, Portsmouth Polytech, 69-. Address: Royal Beach Hotel, St. Helen's Parade, Southsea, PO4 0RN, Eng.
- PAGE, PROF. HARRY ROBERT, B.** Milwaukee, Wis. Mar. 22, 15; m. 45; c. 2. **BUSINESS ADMINISTRATION, ECONOMICS.** A.B. Mich. State, 41; dipl. U.S. Army Command & Gen. Staff Col, 46; M.B.A. Harvard, 50; dipl. Indust. Col. Armed Forces, 59; Ph.D. (bus. admin.), American Univ, 66. Asst. prof. bus. admin., GEORGE WASHINGTON, 61-65; assoc. prof. bus. admin. & chmn. dept, 65-68; **PROF. BUS. ADMIN.**, 69-. Trustee, Nat. Parks Assn, 64-. Consult, Adv. Study Prog, Brookings Inst, 66-69. U.S.A.F. 41-61, Col. Finance Asn; Mgt. Asn. Public finance and budgeting, particularly planning and budgeting for procurement; related financial and operational decision making; production management; procurement and contracting. Publ: Church budget development, Prentice-Hall, 64; The defense procurement program decision-making process, Univ. Microfilms, 66. Address: Dept. of Business Administration, George Washington University, 710 21st St. N.W., Washington, D.C. 20006.
- PAGE, PROF. JOSEPH ANTHONY.** Law. See 5th ed, Dir. Am. Scholars, Vol. IV, Philos, Relig. & Law.
- PAGE, DR. RICHARD M(ARTIN).** Psychology. See L-Z Vol, 11th ed, Soc. & Behav. Vols. Change of address: 42 La Cumbre Circle, Santa Barbara, Calif. 93105.
- PAHNKE, DR. WALTER NORMAN.** Psychiatry, Psychology of Religion. See L-Z Vol, 11th ed, Soc. & Behav. Vols. New position: Dir. clin. sci, 69-. Maryland Psychiatric Research Center, Box 3235, Baltimore, Md. 21228.
- PAINTNER, DR. ANN FORBES, b.** Baltimore, Md. Sept. 12, 35. **INFORMATION SCIENCE.** B.A. Middlebury Col, 57; M.L.S. Rutgers, 60; Ph.D. (library sci), 63. Cataloger, Hopkins, 57-59; instr. library sci, grad. sch. library serv., Rutgers, 60-63; data processing appln. analyst, Nat. Bur. Standards, 63-65; staff asst., Nat. Agr. Library, 65; asst. prof. LIBRARY & INFO. SCI, GRAD. LIBRARY SCH, INDIANA, BLOOMINGTON, 65-68, ASSOC. PROF, 68. Staff asst., Nat. Agr. Library, summer 65. Consult, tech. info. exchange, center comput. sci. & tech, Nat. Bur. Standards, 65-69. Mem. cnt. sci. & tech. info, Interagency Task Group Vocabulary Compatibility, 62-65; submt. indexes, cnt. document & library work, U.S. Standards Inst, 64-68; submt. thesaurus guidelines, cnt. document & library work, Am. Nat. Standards Inst, 69. Soc. Info. Sci. (sec. 69-71); Hist. Asn; Library Asn. Communication; classification; indexing; research methodology. Publ: Analysis of duplication and consistency of indexing. . . . U.S. Dept. Commerce, Off. Tech. Serv, 63, Role of the library in relation to other information activities in federal agencies, U.S. Dept. Army, Chief Engrs, 68 & Classification system of the public affairs reference service, Indiana Univ. Bur. Pub. Discussion, 68. Address: P.O. Box 1305, Bloomington, Ind. 47401.
- PAITICH, DR. DANIEL, b.** Hamilton, Ont, Nov. 3, 29; m. 55; c. 3. **PSYCHOLOGY.** B.A., Western Ontario, 52, M.A., 54; Ph.D. (psychol), Toronto, 64. Sr. & chief psychologist, Toronto Psychiat. Hosp, 56-66; Sr. PSYCHOLOGIST, CLARKE INST. PSYCHIAT, 66. Psychol. Asn. Parent-child relations; measurement of interpersonal behavior; computer applications to report writing. Publ: Diagnostic problems in research with homosexuals, Ont. Psychol. Asn. Quart, 59; The psychologist as expert witness, Can. Psychol. 66. Address: Clarke Institute of Psychiatry, 250 College St, Toronto, 2, Ont, Can.
- PAK, DR. CHI YOUNG.** Political Science. See L-Z Vol, 11th ed, Soc. & Behav. Vols. New position: Assoc. prof, Wyoming, 69-. Address: 1217 Lewis St, Apt. 3, Laramie, Wyo. 82070.
- PAL, DR. I(ZZUD) D(UN).** International Economics, Economic Development. See L-Z Vol, 11th ed, Soc. & Behav. Vols. New position: Assoc. prof, 65-, Dept. of Economics, University of Victoria, Victoria, B.C., Can.
- PALLILA, FRANK C.** Inorganic & Analytical Chemistry. See Suppl. V to 11th ed, Phys. & Biol. Vols.
- PALLISTER, DR. HELEN.** Psychology. See L-Z Vol, 11th ed, Soc. & Behav. Vols. New position & address: Vis. assoc. prof. psychol, Eastern Washington State College, Cheney, Wash. 99004.
- PALLONE, PROF. NATHANIEL JOHN, b.** Chicago, Ill, Oct. 30, 35; m. 56; c. 2. **COUNSELING & SOCIAL PSYCHOLOGY.** A.B. Catholic Univ, 57, A.M., 60; Georgetown, 57-58; Columbia, 60-61; Ph.D. (counseling psychol), N.Y. Univ, 58. Counsl. Bullis Sch, 57-60; dir. counseling, St. Francis Col, 60-63; asst. prof. ed. psychol, Notre Dame, 63-66; assoc. prof. COUNSL. ED, N.Y. UNIV, 66-68, PROF. & CHMN. DEPT, 68. Consult. psychologist, Cath. Soc. Serv, South Bend, Ind, 63-66; soc. sci. lab, Notre Dame, 66-68; State Narcotics Addiction Control Cmn, N.Y., 67-; res. consult. Acad. for Ed. Develop, Wash, D.C. 58-69. U.S.A.F.R. 52-60, S/Sgt. Psychol. Asn; Personnel & Guid. Asn. Social psychology of counseling and psychotherapy; social psychology of religion; vocational psychology. Publ: Co-auth, Guidance and counseling in schools, McGraw, 66, Guidance and other personnel services, Nat. Cath. Ed. Asn, 68 & Catholics/USA—Perspectives on social change, Wiley, 70. Address: Dept. of Counselor Education, New York University School of Education, 74 S. Bldg, New York, N.Y. 10003.
- PALM, DR. ROSE.** Psychology. See L-Z Vol, 11th ed, Soc. & Behav. Vols. New information: Clin. assoc. Psychol. Serv, Center, 68-. Address: 263 West End Ave, New York, N.Y. 10023.
- PALMER, DR. GEORGE J(OSEPH), JR.** Industrial Psychology. See L-Z Vol, 11th ed, Soc. & Behav. Vols. New position: Chief div. prof. manpower, Nat. Highway Safety Bur., U.S. Dept. of Transportation, 69-. Address: 11205 Belmont Dr, Fairfax, Va. 22030.
- PALMER, PROF. JESSE TAYLOR, b.** Lowell, Ind, Mar. 10, 03; m. 53. **ECONOMICS.** B.S. Illinois, Urbana, 28, M.S. 31, Ph.D. (econ. agr. econ), 36. Economist, Calif. Div. Small Craft Harbors, 60; econ. analyst, Calif. Div. Soil Conserv, 61-65; consult. economist, Aero Serv. Corp, 65-66 & 68; Justin & Courtney, 66-67; Tippetts, Abbott, McCarthy, Stratton, 67; PROF. ECON, JARVIS CHRISTIAN COL, 67-68; MISS. VALLEY STATE COL, 69. Consultant, economist, Res. & Develop. Corp, spring 65. Nat. Guard, 22-23. Econ. Asn; Int. Asn. Agr. Econ. General and applied economics and agricultural economics; theory and history of economic thought. Publ: The place of pumic and pumicite in industry, Rock Prod, 31. Address: 609 Mc-Laurin, Rolling Fork, Miss. 39159.
- PALMER, DR. JOHN A. b.** Philadelphia, Pa, Oct. 30, 44. **PSYCHOLOGY.** B.A. Duke, 66; Ph.D. (psychol), Texas, Austin, 69. ASST. PROF. PSYCHOL, MCGILL, 69-. Interpersonal attraction as related to attitude similarity and motivational variables. Publ: Attribution of hostile intent as unconscious. J. Personality, 67; co-auth, Sequential effects as a function of explicit and implicit interpolated responses, J. Personality & Soc. Psychol, 69; auth, Attraction toward dominant and submissive strangers: similarity versus complementarity, J. Exp. Res. Personality, 70. Address: Dept. of Psychology, McGill University, Montreal 2, Que, Can.
- PALMER, PROF. JOHN R.** Philosophy of History, Social Studies Education. See 5th ed, Dir. Am. Scholars, Vol. I, Hist.
- PALMER, PROF. JOHN T, b.** Mendenhall, Miss, Dec. 10, 21; m. 55; c. 2. **COUNSELING & EDUCATIONAL PSYCHOLOGY.** B.A. Southern Mississippi, 43; M.S. Columbia, 47; Ph.D. Southern California, 57. Instr. Eng. Southern Mississippi, 47-48; asst. prof, 48-50, asst. prof. Eng. & dir. student activity, 50-52; dean of men, 52-55; dir. guid. center & counsl., Southern California, 55-57; assoc. prof. psychol. & coordinator acad. advisement, San Francisco State Col, 57-59; assoc. dean student counseling & testing, San Fernando Valley State Col, 59-60, dean of students, 60-67; PROF. PSYCHOL. & DEAN OF STUDENTS, SONOMA STATE COL, 67-. U.S.A. 43-45, M/Sgt. Psychol. Asn. Learning theory and psycholinguistics. Address: 878 Wildwood Trail, Santa Rosa, Calif. 95405.
- PALMER, DR. KENNETH T, b.** Glen Ridge, N.J., Mar. 22, 37; m. 69. **POLITICAL SCIENCE, GOVERNMENT.** B.A. Amherst Col, 59; M.A. Pa. State, 61, Ph.D. (polit. sci), 64. Asst. prof. POLIT. SCI, Hamilton Col, 64-67; Franklin & Marshall Col, 67-69; ASSOC. PROF. MAINE, 69-. Coe Fund grant, 69-70. Consult, Pa. Cmn. Legis. Modernization, 68. Polit. Sci. Asn; Soc. Pub. Admin. American state politics, especially legislative and executive institutions; political parties; public opinion; public administration. Publ: Co-auth, Introduction to politics: essays and readings, Wiley, 68; auth, The Pennsylvania General Assembly politics and prospects, Univ. Pittsburgh, 68; Indigent defender systems in New York state: a preliminary report, N.Y. State Bar J, 68. Address: Dept. of Political Science, University of Maine, Orono, Maine 04473.
- PALMER, PROF. NEIL M(EREDITH).** Sociology. See L-Z Vol, 11th ed, Soc. & Behav. Vols. New position & address: Prof. & chmn, 67-, Dept. of Sociology & Anthropology, University of Toledo, Toledo, Ohio 43606.
- PALMER, DR. RANSFORD WENTWORTH, b.** Braeton, Jamaica, Nov. 21, 32; m. 64. **ECONOMICS.** B.S. Marquette, 61, M.A., 62; fel. Clark, 62-64; Ph.D. (econ), 66. Instr. ECON, Keuka Col, 64-65; Cent. Conn. State Col, 65-67; asst. prof. CATHOLIC UNIV, 67-69, ASSOC. PROF, 69-. Econ. Asn; Royal Econ. Soc. Use and effectiveness of fiscal policy in advanced countries; role of public finance in developing countries, particularly the Caribbean. Publ: The Jamaican economy, Praeger, 68; Financing corporate investment in Jamaica, Soc. & Econ. Studies, 9/67; Financial and monetary systems of Guyana, Int. Guyana, U.S. Govt. Printing Off, 69. Address: Dept. of Economics, Catholic University of America, Washington, D.C. 20017.
- PALMERTON, DR. L(EIGHTON) R.** Psychology. See L-Z Vol, 11th ed, Soc. & Behav. Vols. New information: No longer dean students, S.Dak. Sch. Mines & Tech, 69. Address: Route 1, Box 111C, Rapid City, S.Dak. 57701.
- PALOMBA, DR. CATHERINE ANN, b.** Albany, N.Y., Sept. 10, 43; m. 65; c. 1. **ECONOMICS.** B.B.A. City Col. New York, 65; Nat. Sci. Found. summer fel. & M.A. Minnesota, 66; U.S. Dept. Labor fel. & Ph.D. (econ), 69. INSTR. ECON. & RES. ASSOC. INDUST. RELS. CENTER, IOWA, 69-. Labor economics, including manpower economics and occupational projections. Publ: Occupational projections for Iowa, 1975, Indust. Rels. Center, Iowa State Univ, 68. Address: 321 24th St, Ames, Iowa 50010.
- PALOMBA, DR. NEIL (ANTHONY).** Economics. See L-Z Vol, 11th ed, Soc. & Behav. Vols. New position: Assoc. prof, 69-, Dept. of Economics, Iowa State University, 310 Curtis Hall, Ames, Iowa 50010.
- PALUCH, DR. STANLEY JOHN.** Philosophy. See 5th ed, Dir. Am. Scholars, Vol. IV, Philos, Relig. & Law.
- PANGBORN, PROF. ROSE MARIE VALDES.** Food Technology, Psychophysics. See Suppl. V to 11th ed, Phys. & Biol. Vols.
- PANG-CHING, DR. GLENN K, b.** Hilo, Hawaii, Feb. 10, 31; m. 61; c. 2. **AUDIOLOGY, SPEECH PATHOLOGY.** B.S. Calif. State Col. Los Angeles, 57; M.S. Purdue, 58; Ph.D. (audiol. speech path), Southern California, 66. Audiologist, Vet. Benefits Off, D.C. 58-59; supvr. clin. serv. Vet. Admin. Out-patient clin, Los Angeles, 59-65; ASST. PROF. AUDIOL. & SPEECH PATH,

- HAWAII, 65- Audiologist mem. State Bd. Hearing Aid Dealers & Fitters, Hawaii, 69- U.S.A. 53-54. Speech & Hearing Assn. All phases of audiology including psychocausals and rehabilitation. Address: 107 Kekaha Place, Honolulu, Hawaii 96821.
- PANOS, DR. ROBERT J(OHN). Psychology. See L-Z Vol, 11th ed, Soc. & Behav. Vols. New position & address: Dir. statist. anal. & eval, 69- National Computer Systems, 4401 W. 76th St, Minnetap, Minn. 55435.
- PAPAGEORGIOU, DR. JOHN (CONSTANTINE). b. Kallithia, Olympia, Greece, Nov. 22, 35; m. 69. MANAGEMENT SCIENCE. B.S. Athens Univ. Soc. Econ. & Bus. Sci., 57; dipl. Manchester, 63, Ph.D.(mgt. sci.), 65. Analyst, dept. econ. res. Agr. Bank of Greece, Athens, 66, head, 66-67; analyst, Esso-Pappas Indust. Co. Greece, 67-68; ASST. PROF. MGT. WAYNE STATE, 69- NATO grant, Sci. in Gen. Mgt. Ltd, Eng. 65; lectr. Inst. Post-grad. Studies Bus. Admin. & Athens Grad. Sch. Econ. & Bus. Sci., 66-68; York Univ.(Ont), 68-69. Army, 58-59, 2nd Lt. Am. Statist. Assn.; Opers. Res. Soc. Am.; Am. Econ. Assn.; Acad. Mgt.; Inst. Mgt. Sci.; Hellenic Opers. Res. Soc. Application of operations research to problems of industry and government: role of management science in accelerating development of developing countries. Publ: The use of operations research in marketing the agricultural products, Technica Chronica, 66. Nomograph simplifies use of inventory control model, Indust. Eng. 5/70. Address: Dept. of Management, School of Business Administration, Wayne State University, Detroit, Mich. 48202.
- PAPANEK, DR. MIRIAM (LEWIN). Sociology, Psychology. See L-Z Vol, 11th ed, Soc. & Behav. Vols. Change of address: 296 Clinton St, Dobbs Ferry, N.Y. 10522.
- PAPARELLA, PROF. BENEDICT (ANTHONY). Philosophy. See 5th ed, Dir. Am. Scholars, Vol. IV, Philos. Relig. & Law.
- PAPAS, PROF. ARIS T. b. Athens, Greece, June 22, 17; U.S. citizen; m. 52; c. 3. CLINICAL PSYCHOLOGY. B.S. A.P.S. Illinois, 42; M.A. Chicago, 54; Ph.D. (psychol), Nat. Univ. Athens, 64. Psychologist, Cherokee Iowa State Hosp, 53-54; asst. supt. Eldora Training Sch, 54-55; private practice, clin. psychol, Miami, Fla., 55-57; clin. psychologist, Atlanta Guid. Clin, 57-58; private practice, clin. psychol, Atlanta, Ga., 58-61; dir. guid. clin. Hellenic-Am. Clin, 61-64; ASSOC. PROF. PSYCHOL, State Univ. N.Y., 64-66; SOUTH-EASTERN MASSACHUSETTS, 66- Orthopsychiat. Assn; Hellenic Psychol. Assn.(secy). Psychotherapy; self-concept; adjustment. Publ: The school phobic child, Athens Psychol. J. 64; Geriatric hazards, Am. Geriat. J. 67; Verbal communication in therapy, J. Psychosom., 68. Address: Dept. of Psychology, Southeastern Massachusetts University, North Dartmouth, Mass. 02741.
- PAPASTATHOPOULOS, DR. CATHERINE D. b. Pyrgos, Elias, Greece, June 3, 34. POLITICAL SCIENCE. B.A. Coe Col., 59; For. Student scholar. & M.A.P.A. Minnesota, 61; Comp. Admin. Group summer fel, Michigan, 64; Int. scholar. & Ph.D.(polit. sci.), Iowa, 67. Asst. polit. sci., Iowa, 62-64, res. asst., 64-66; res. asst. pub. admin. inst. pub. admin., Michigan, 66-68. ASST. PROF. POLIT. SCI. NORTHERN ILLINOIS, 68- Summers, admin. analyst, dir. rehab, Minn. Dept. ed, 60; res. asst. comp. admin. res. seminar, Univ. Michigan, 64. Acad. Polit. Sci.; Polit. Sci. Assn.; Soc. Pub. Admin. Public administration; comparative public administration and bureaucratic behavior, especially use of bureaucracy; the theory in empirical research; comparative local government. Publ: Local government and administration in Greece, J. Cent. European Affairs, 10/63; Civil service reforms in Greece, Int. Rev. Admin. Sci., 64; Constitutionalism and communism: the case of Cyprus, Toronto Law J., 65. Address: Dept. of Political Science, Northern Illinois University, De Kalb, Ill. 60115.
- PARELIUS, DR. ANN PARKER, b. New York, N.Y., Jan. 24, 43; m. 64; c. 1. SOCIOLOGY. B.A. Hunter Col. 63; M.A. Chicago, 65, Ph.D.(sociol), 67. ASST. PROF. SOCIOL. RUTGERS, 67- Sociol. Soc.; Nat. Coun. Family Rel. Social psychology: sociology of education; marriage and the family. Address: Dept. of Sociology, Rutgers, The State University, New Brunswick, N.J. 08903.
- PARIS, DR. JAMES D(ANTEL). Economics. See L-Z Vol, 11th ed, Soc. & Behav. Vols. New information: Also asst. v-pres, Metrop. Life Ins. Co., 69- Address: 83 Old Pond Rd, Great Neck, N.Y. 11023.
- PARIS, PROF. NORMAN (MARTIN). Psychology. See L-Z Vol, 11th ed, Soc. & Behav. Vols. New position & address: Prof. & chmn, 68- Dept. of Psychology, University of West Florida, Pensacola, Fla. 32504.
- PARK, PROF. GEORGE (KIERLID). Social Anthropology, Sociology. See L-Z Vol, 11th ed, Soc. & Behav. Vols. New position & address: Sociol. anthropol, 69- Dept. of Sociology & Anthropology, Memorial University of Newfoundland, St. John's, Newf., Can.
- PARK, DR. SANG OH. Econometrics, Regional Science. See L-Z Vol, 11th ed, Soc. & Behav. Vols. New position & address: Government economist, 68- Regional Economics Division, Office of Business Economics, U.S. Dept. of Commerce, 2400 M St, N.W., Washington, D.C. 20230.
- PARK, DR. TONG WHAN, b. Seoul, Korea, Dec. 16, 43; m. 66. POLITICAL SCIENCE. LL.B. Seoul, 64; M.A., Chooang-Ang, Korea, 66; East-West Center grant, Hawaii, 66-68; M.A., 68, Ph.D.(polit. sci.), 69. Reporter, Hankook-Ibo, Korea, 63-66; res. asst. int. rels. Dimensionality of Nations Proj, Hawaii, 68-69; ASST. PROF. POLIT. SCI. NORTHWESTERN, 69- Polit. Sci. Assn. Asian politics, especially systematic analysis of dyadic conflict and cooperation. Publ: Asian conflict in systemic perspective, Dimensionality of Nations Proj, 69; Peaceful interactions in Asia, Int. Peace Res. Assn.(in press). Address: Dept. of Political Science, Northwestern University, Evanston, Ill. 60201.
- PARKER, DR. DONALD (EDWARD). Psychology. See L-Z Vol, 11th ed, Soc. & Behav. Vols. New position: Assoc. prof., Dept. of Psychology, Miami University, Oxford, Ohio 45056.
- PARKER, DR. HARRY J(OHN). Counseling Psychology. See L-Z Vol, 11th ed, Soc. & Behav. Vols. New position & address: Prof. psych. med. & rehab. & psychol. & assoc. dean, 69- School of Allied Health Professions, Southwestern Medical School, University of Texas, 5323 Harry Hines Blvd, Dallas, Tex. 75235.
- PARKER, DR. RONALD KEITH. Psychology. See L-Z Vol, 11th ed, Soc. & Behav. Vols. New position & address: Asst. prof., 69- Division of Teacher Education, Center for Advanced Study in Education, City University of New York, 33 W. 42nd St, New York, N.Y. 10036.
- PARKER, DR. TREADWAY C(HISHOLM). Psychology. See L-Z Vol, 11th ed, Soc. & Behav. Vols. New position & address: Mgr. ed. resources develop, 69- American Management Association, 135 W. 50th St, New York, N.Y. 10020.
- PARKES, DR. ERNEST. Clinical Psychology. See L-Z Vol, 11th ed, Soc. & Behav. Vols. New position: Adj. prof. psychol, Fordham, 69- Address: 303 W. 66th St, Apt. 17B, New York, N.Y. 10023.
- PARKHILL, DOUGLAS F(REEMAN). Electrical Engineering. See Suppl. V to 11th ed, Phys. & Biol. Vols.
- PARKHURST, PROF. KENNETH L(ANGROISE). Business Economics. See L-Z Vol, 11th ed, Soc. & Behav. Vols. New information: Also chmn, 69- Dept. of Economics, School of Business, John Carroll University, Cleveland, Ohio 44122.
- PARKHURST, PROF. WILLIS (MAC), b. Cornell, Ill, Apr. 1, 23; m. 43; c. 2. PSYCHOLOGY. B.S. Indiana State, 49, M.S., 52; Purdue, 49-53; Barry Col., 65. Assoc. prof. biol, Athens Col., 53-55; from asst. prof. to ASSOC. PROF. PSYCHOL, EASTERN KENTUCKY, 55- U.S.N., 42-46, Res. 46-58, Lt.(jg). A.A.A.S. General, child and adolescent, applied, and industrial psychology; program planning (a tutorial module), Welch Sci. Co., 68. Address: Dept. of Psychology, Eastern Kentucky University, Richmond, Ky. 40475.
- PARKINSON, DR. RUSSELL JAY. American History. See 5th ed, Dir. Am. Scholars, Vol. I, Hist.
- PARKS, DR. ROBERT JAMES. American Economic History. See 5th ed, Dir. Am. Scholars, Vol. I, Hist.
- PARLOFF, DR. MORRIS B(ERNARD). Clinical Psychology. See L-Z Vol, 11th ed, Soc. & Behav. Vols. Change of address: National Institute of Mental Health, Bldg. 10, Room 2N 280, Bethesda, Md. 20014.
- PARMENTER, DR. GUY NORRIS. Geography. See L-Z Vol, 11th ed, Soc. & Behav. Vols. New position: Geogr., 69- U.S. Army Research Office, 3045 Columbia Pike, Arlington, Va. 22204.
- PARRATT, PROF. SPENCER D. b. Salt Lake City, Utah, July 6, 02; m. 26, 50; c. 4. POLITICAL SCIENCE. B.A. Utah, 24; J.D. Chicago, 30, Ph.D. (polit. sci.), 32. Res. & dept. asst. POLIT. SCI. Chicago, 28-30; asst. prof. SYRACUSE, 30-37, prof., 37-67, MAXWELL PROF., 67- Lectr. Brookings Inst., 60- Hearing officer, War Labor Bd., 41-46. Consultant, police, 30-40; Nat. Security Resources Bd., 50-52; N.Y. State Div. Housing, 57-58; housing, Providence, R.I. 62-64. Distinguished arbitrator award, 66. Metropolitan and urban government; administrative processes, especially local regulatory systems. Publ: Co-auth. Government of the metropolitan region of Chicago, Univ. Chicago, 33. Address: Maxwell School of Citizenship & Public Affairs, Syracuse University, Syracuse, N.Y. 13210.
- PARRIS, DR. JUDITH H. b. Columbus, Ohio, June 5, 39; m. 68. POLITICAL SCIENCE. A.B. Smith Col., 61; M.A. Columbia, 63, fel. 65-66, Ph.D.(govt), 67. Reporter, Housing & Urban Affairs Daily, Wash. D.C. 61-62; press asst. Sen. George A. Smathers, 62; policy planning res. asst. U.S. Small Bus. Admin., 63-65; res. asst. GOVT. STUDIES, BROOKINGS INST., 66-69, RES. ASSOC. 68- Polit. Sci. Assn. American government and politics, particularly public administration, social and economic policy, electoral and legislative processes, and decision making. Publ: The electoral college and the American political system, Brookings, 70; Congress rejects the President's urban department, In: Congress and urban problems, Brookings, 69. Address: Brookings Institution, 1775 Massachusetts Ave. N.W., Washington, D.C. 20036.
- PARRISH, DR. JACK (ALBERT). Industrial & Personnel Psychology. See L-Z Vol, 11th ed, Soc. & Behav. Vols. New position & address: Prof. behav. mgt. sci., 69- College of Business Administration, University of South Carolina, Columbia, S.C. 29208.
- PARRY, PROF. ALBERT. Russian Civilization. See 5th ed, Dir. Am. Scholars, Vol. I, Hist.
- PARSA, DR. PARVIZ, b. Esfahan, Iran, July 6, 41; m. 65. ECONOMICS, INTERNATIONAL RELATIONS. B.A. Tehran, 62; M.A. Texas Christian, 65; grant & Ph.D.(econ), Oklahoma, 68. Dir. bur. res. Nat. Iranian Ins. Co. 61, economist, researcher & consult. Minister Econ, Tehran, Iran, 62-63; ASST. PROF. ECON. CENT. STATE COL. (OKLA.), 68- Econ. Assn. Economic development and growth; international economic and political relations; comparative economics; money and banking; stock markets in United States; role of petroleum in Iran and other Middle Eastern countries. Publ: Introduction to stock and bond markets, Cent. State Col. (Okla.), 68; Reflections on U.S. dollar stability, Okla. Acad. Sci. (in press); Policies for economic growth in Persia, J. Banks, Tehran, 7/66. Address: Dept. of Economics, Central State College, Edmond, Okla. 73034.
- PARSONS, C(HARLES) G(RAHAM). Economics, Marketing. See L-Z Vol, 11th ed, Soc. & Behav. Vols. New information: Retired, 69. Address: Route A-2, Box 124-D, Dunnellon, Fla. 32630.

- PARSONS, DR. EDGAR A(LLEN). Economics. See L-Z Vol, 11th ed. Soc. & Behav. Vols. New position: V-pres. Syst. Sci. Inc. 69- Address: 1913 Lakeshore Dr, Chapel Hill, N.C. 27514.
- PARSONS, DR. HENRY McILVAINE. Experimental Psychology, Human Factors. See L-Z Vol, 11th ed. Soc. & Behav. Vols. New position: V-pres. res. Riverside Res. Inst. 69- Address: 1125 Park Ave, Apt. 7D, New York, N.Y. 10027.
- PARSONS, DR. JOHN E. JR. b. New York, N.Y. Jan. 11, 38. POLITICAL SCIENCE & PHILOSOPHY. B.A. Harvard, 60; Woodrow Wilson Nat. Found. fel. & M.A. California, Berkeley, 63; Chicago, 64; Ph.D. (polit. sci.), London, 65. ASST. PROF. POLIT. SCI., Milton Col. 66-67; STATE UNIV. N.Y. COL. OSWEGO, 68- Faculty grant-in-aid, State Univ. N.Y. Res. Found. 68-70. Polit. Sci. Assn. Swift's satire; political philosophy of John Locke; John Dewey's social thought; political philosophy of John Stuart Mill. Publ: John Dewey's science of society, Thought & Word, 7/68 & Locke's doctrine of property, Soc. Res. fall 69. Address: 2400 Boston Post Rd, Harrison, N.Y. 10528.
- PARSONS, DR. STUART OVERTON. Industrial Psychology. See L-Z Vol, 11th ed. Soc. & Behav. Vols. New position: Chief human factors eng. & simulation biotech, 69-, Lockheed Missiles & Space Co, ORG 62-40 Bldg. 151, Sunnyvale, Calif. 94088.
- PARTAIN, DR. ROBERT T. b. Leonard, Tex. Feb. 9, 24; m. 48; c. 1. MARKETING, COMPUTER SCIENCES. B.B.A. North Texas State, 49, M.B.A. 50; fel. & Ph.D. (bus. admin), Texas, Austin, 68. Instr. mkt, Texas Col. Arts & Indust. 50-55, chmn. dept. mkt. 58-62; statistician, Celanese Corp. Am. 55-58; dir. comput. center, RICHMOND, 62-64, ASSOC. PROF. FINANCE & CHMN. DEPT. 68- Adv. Eighth Naval Dist. 50-58; financial consult., Financial Indust. Fund Inc, Colo. 58-60; consult. retainer, Fidelity Corp. 64- U.S.N. 43-47, Lt. Comdr. Behavioral science as it applies to business management; computerized teaching; business management communication systems. Publ: Co-auth. Problems in financial management, Appleton, 68; Contraversial issues in insurance, Asn. Bus. Law Teachers, 67; consult. & reader, Money & banking, Irwin, 66. Address: 1510 Pump Rd, Richmond, Va. 23229.
- PARTHEMOS, JAMES. Economics. See L-Z Vol, 11th ed. Soc. & Behav. Vols. New position: Sr. v-pres. & dir. res. 69-, Federal Reserve Bank of Richmond, Ninth & Franklin Sts, Richmond, Va. 23213.
- PASANEN, DR. OSMO N. b. Viipuri, Finland, Aug. 5, 20; U.S. citizen; m. 54; c. 2. ECONOMICS. B.A. California, Riverside, 62; Nat. Defense Ed. Act fel. Missouri-Columbia, 60-63; Ph.D. (agr. econ), 65. Asst. prof. ECON, Hanover Col. 64-65; S.Dak. State, 65-67; ASSOC. PROF. MANKATO STATE COL. 67- Summers participant, Nat. Sci. Found. Inst. in Math. Optimization, Missouri, 65, Seminar on Recent Develop. in Econ, Chicago, 66 & Seminar on Contemporary Econ, Virginia, 67. Finnish Army, 40-44, 1st Lt. Econ. Asst. Instr. Agr. Econ. Res. econ. Pub. Co-auth. Trends, adjustment and potential in northeast Missouri, Univ. Missouri, 66. Address: Dept. of Economics, Mankato State College, Box 128, Mankato, Minn. 56001.
- PASCHAL, DR. BILLY J. b. Cullman, Ala. Nov. 5, 35; m. 59; c. 2. EDUCATIONAL PSYCHOLOGY. A.B. St. Bernard Coll. 57; M.Ed. Birmingham-South. Col. 59; Ed.D. (ed. psychol), Alabama, 62. Teacher, pub. schs. Ala. 57-60; instr. Ed. PSYCHOL, Alabama, 60-62; PROF. Miami (Fla), 62-68; BALL STATE, 68- Consult. psychologist, Nat. Sci. Found. S. Miami Study Group Curriculum Proj. with Culturally Disadvantaged Children, 64-65; Off. Econ. Opportunity S. Miami Curriculum Proj. for Disadvantaged Youth, 65-66. Psychol. Asn. Perception of self and achievement; teaching culturally different children; cultural factors in selected organismic variables in self-concept; creative thinking and emotionally disturbed children. Publ: Anti-push theory best for deprived children?, Instructor, 12/67, Values as basic in education, Sch. & Soc. fall 68 & The role of self-concept in achievement, J. Negro Ed., fall 68. Address: Dept. of Psychology, Ball State University, Muncie, Ind. 47306.
- PASSER, DR. HAROLD C(LARENCE). Economics. See L-Z Vol, 11th ed. Soc. & Behav. Vols. New position & address: Asst. secy. commerce econ. affairs, 69-, Dept. of Commerce, Room 5835, 14th St. & Constitution Ave. N.W., Washington, D.C. 20230.
- PASTALAN, DR. LEON ANTHONY. Sociology. See L-Z Vol, 11th ed. Soc. & Behav. Vols. New position: Assoc. prof. archt, Michigan, 69- Address: 8143 Huron River Dr, Dexter, Mich. 48130.
- PASTER, DR. IRVING, b. Newark, N.J. Sept. 10, 09; m. 40; c. 2. MANAGEMENT. B.A. Wayne State, 31, M.A. 38; Ph.D. (econ), Michigan, 48. Invest. wage & hour & pub. contracts divs, U.S. Dept. Labor, 41-44; chief screening br, Nat. War Labor Bd, Detroit, Mich. 44-45; staff asst, indust. rels. dept, Kaiser-Frazer Corp, 47-54; cmnr. Fed. Mediation & Conciliation Serv, 51-54; indust. rels. consult. 54-68; ASSOC. PROF. MGT, SCH. BUS. ADMIN, WAYNE STATE, 68- Indust. relations. Publ: Help on industrial relations problems, Small Bus. Admin., 4/63; Think before you discipline, Supply, Mgt., 2/68; When you delegate your labor contract negotiations, Personnel J., 8/68. Address: Dept. of Management, Wayne State University School of Business Administration, Detroit, Mich. 48202.
- PASTERNAK, DR. THOMAS (LOUIS). b. Passaic, N.J. Dec. 5, 37; m. 60; c. 2. EDUCATIONAL PSYCHOLOGY. A.B. Rutgers, 59; A.M., George Washington, 64; Nat. Defense Ed. Act fel. & Ph.D. (psychol), Georgia, 68. Instr. psychol. & mgt. U.S. Naval Acad. 62-65; ASST. PROF. PSYCHOL, RANDOLPH-MACON WOMAN'S COL., 67- Psychol. consult, Lynchburg Head Start Prog, 68- U.S.N. 59-65, Res. 66, Lt. Comdr. Conformity: self-concept, teaching techniques & group dynamics. Address: Dept. of Psychology, Randolph-Macon Woman's College, Lynchburg, Va. 24504.
- PASTERNAK, DR. BURTON. Anthropology. See L-Z Vol, 11th ed. Soc. & Behav. Vols. New information: Asst. prof. anthropol, Hunter Col. 69-; Nat. Sci. Found. res. grant, 68-71. Address: Dept. of Anthropology, Hunter College, 695 Park Ave, New York, N.Y. 10021.
- PATAL, DR. RAPHAEL. Anthropology. See L-Z Vol, 11th ed. Soc. & Behav. Vols. New publ: Israel between east and west: a study in human relations, Greenwood, 2nd ed, 70; ed, Encyclopedia of Zionism and Israel, Herzl & McGraw, 70. Address: 39 Bow St, Forest Hills, N.Y. 11375.
- PATCHEN, DR. MARTIN. Social Psychology. See L-Z Vol, 11th ed. Soc. & Behav. Vols. New position & address: Assoc. prof, 68-, Dept. of Sociology, Purdue University, Lafayette, Ind. 47907.
- PATTERSON, DR. HARRY O(SCAR). Psychology. See L-Z Vol, 11th ed. Soc. & Behav. Vols. New position: Assoc. prof, 69-, Dept. of Communication & Organizational Behavior, General Motors Institute, Third & Chevrolet Ave, Flint, Mich. 48502.
- PATTERSON, DR. JOYE. Journalism. See 5th ed, Dir. Am. Scholars, Vol. II, Eng, Speech & Drama.
- PATTERSON, DR. LAURA MARGUERITE, b. Belton, Tex. Dec. 5, 16; m. 42; c. 1. MANAGEMENT, MARKETING. B.B.A. Texas, 37; M.B.A. Houston, 51; Ph.D. (bus. admin), Texas, Austin, 66. Teacher, high schs. 45-57; asst. prof. bus. admin, McNeese State Col. (La.), 57-64; ASSOC. PROF. Southwest Texas State, 64-67; MGT. & MKT, MISSISSIPPI, 67- Organization theory; university organization; organizational and consumer behavior; human behavior in organizations. Address: Dept. of Management & Marketing, University of Mississippi, University, Miss. 38677.
- PATTERSON, DR. MILES L. b. Palatine, Ill. Jan. 17, 42. PSYCHOLOGY. B.S. Loyola (Ill.) 64; M.A., Northwestern, 66, Ph.D. (psychol), 68. ASST. PROF. PSYCHOL, Northwestern, 68-69; MISSOURI-ST. LOUIS, 69- Psychol. Asn. Verbal learning; proxemics; influences of design on behavior. Publ: Spatial factors in social interaction, Human Rel. 68; co-auth. Interpersonal distance and impression formation, J. Personality, 70. Address: Dept. of Psychology, University of Missouri-St. Louis, 8001 Natural Bridge Rd, St. Louis, Mo. 63121.
- PATTERSON, DR. PHILIP D. JR. Economics. See L-Z Vol, 11th ed. Soc. & Behav. Vols. New position & address: Urban economist, 69-, Environmetrics, 1100 17th St. N.W., Washington, D.C. 20036.
- PATTERSON, PROF. ROBERT E. Speech & Speech Correction. See 5th ed, Dir. Am. Scholars, Vol. II, Eng, Speech & Drama.
- PATTERSON, DR. THOMAS S. b. Chicago, Ill. Dec. 3, 33. COUNSELING & CLINICAL PSYCHOLOGY. B.A. Iowa Col. 55; M.S. Fordham, 60; Ph.D. (counseling psychol), Boston Col. 65. Teacher, All Hallows Inst. 55-57; chmn. biol. dept, Cath. Mem. High Sch. 57-64; chmn. psychol. dept, Iowa Col. 64-69; ASSOC. PROF. PSYCHOL, COL. MT. ST. VINCENT, 69- Trainee in psychoanal. Inst. Mem. Health Practitioners. Psychol. Asn. Acad. Rel. & Ment. Health; Asn. Existential Psychol. & Reading. Reading ability and personality characteristics; psychoanalytic research; humanistic psychology; values. Address: Dept. of Psychology, College of Mt. St. Vincent, Riverdale Ave, Bronx, N.Y. 10471.
- PATTISON, DR. EDWARD MANSELL, b. Portland, Ore. June 23, 33; m. 56; c. 3. PSYCHIATRY, RELIGION. B.A. Reed Col. 56, M.D. Oregon, 58. Intern. hosp. & clinics, sch. med. Oregon, 58-59; staff psychiatrist, U.S. Med. Center Fed. Prisoners, 59-61; resident & fel. psychiat. col. med, Cincinnati, 61-64; sr. psychiatrist, clin. neuropsychol. res. Nat. Inst. Ment. Health, 64-65; instr. psychiat. sch. med, Washington (Seattle), 65-67. Asst. prof. 67-69; ASSOC. PROF. IN-RESIDENCE PSYCHIAT. & HUMAN BEHAV. COL. MED, CALIFORNIA, IRVINE, 70- Nat. Inst. Ment. Health career develop. fel. 61-65; fel. alcoholism, col. med, Cincinnati, 62-63, res. fel. pub. health & court clin. 63-64; dep. dir. community ment. health training, Orange County Med. Center, 70- U.S.P.H.S. 56-65, Surg. Maj. AAAS; Psychiat. Asn.; Col. Psychiat; Pub. Health Asn.; Group Psychother. Asn.; Soc. Psychol. Study Soc. Issues. Social and community psychiatry; group psychotherapy; psychiatry and religion; alcoholism treatment; theory of psychotherapy; public health. Publ: Clinical psychiatry and religion, Little, 69; co-auth. Evaluation of alcoholism treatments, Arch. Gen. Psychiat., 69 & Psychiatric perspectives on t-groups and the laboratory method, Am. J. Psychiat., 69. Address: Dept. of Psychiatry, Orange County Medical Center, 101 S. Manchester Ave, Orange, Calif. 92668.
- PATTON, DR. H(ASKELL) RILEY. Psychology. See L-Z Vol, 11th ed. Soc. & Behav. Vols. New position: Chmn. bd. dirs, PST, Inc. 69- Address: 323 Springs Rd, Bedford, Mass. 01730.
- PATTON, DR. JOHN STROHM, b. Carthage, Mo. Jan. 18, 18; m. 50. OPERATIONS RESEARCH, MODERN HISTORY. B.S. & Paul G. Hoffman award, Southern California, 41; George Washington, 49-51; dipl. policy & strategy, Nat. War. Col. 55-56; Ph.D. (mt. rels), American Univ. 65. Newspaper reporter, Modesto Bee, Calif. 37-38; asst. mgr. Vending Mach. Co. 39-40; air ord. specialist, Hq. U.S. Army Air Force, 46-49; air intel. specialist, Hq. U.S. Air Force, 49-51, mem. spec. study group, 51-58; dep. dir. plans & progs, Adv. Res. Projs. Agency, U.S. Off. Secy. Defense, 58-59; SPEC. ADV. spec. adp. group, Hq. U.S. Air Force, 59-67; OFF. POLICY, HQ. NASA, 67- Prof. lectr, Catholic Univ., 66-68; mil. exec. Reserve Forces Policy Board, Off. Secy. Defense, 69- Consult. to asst. chief of staff, Hq. U.S. Air Force, 64-67. U.S. Air Force superior accomplishment awards, 52, 60 & 61; Dept. of Defense distinguished civilian serv. award, 59; Nat. Civil Serv. League meritor citation, 59; career exec. roster, Civil Serv. Cmn, 60; U.S. Air Force outstanding ratings, 60, 61 & 66; Dept. of Air Force exceptional civilian award, 68; Leg. of Merit, 69. U.S.A.F.R. Maj. Gen. Opers. Res. Soc. Am.; Hist. Asn.; Mid. East Inst.; Acad. Polit. Sci.; Soc. Oceanog. Military systems analysis; Sino-Soviet relations; history of Middle East. Address: Reserve Forces Policy Board, Office of Secretary of Defense, Room 3A930, Pentagon, Washington, D.C. 20301.

- PATTON, DR. WILLIAM F.** b. Ft. Worth, Tex. Apr. 4, 38; m. 70. **PSYCHOLOGY.** B.A. Texas Christian, 63; fel. Texas, Austin, 66-67, Ph.D. (psychol), 67. **ASST. PROF. PSYCHOL. MED. BR., TEXAS, 67- U.S.A., 59-62.** Psychol. Assn. Developmental, child and educational psychology; mental retardation. Publ: Co-auth, Climatological influences in mental deficiency as related to three ethnic groups, *Interam. J. Psychol.*, 67. Sustained vs. interrupted institutionalization: II, *Am. J. Ment. Deficiency*, 68 & Effects of training procedures on recall of auditory sequences, *Perceptual & Motor Skills*, 70. Address: Dept. of Psychology, University of Texas Medical Branch, Galveston, Tex. 77550.
- PAUL, DR. GORDON W.** Marketing. See L-Z Vol. 11th ed. Soc. & Behav. Vols. New position & address: Assoc. prof., 69-, Dept. of Marketing, School of Business Administration, University of Massachusetts, Room 307, Amherst, Mass. 01002.
- PAUL, JAMES C. N.** Law. See 5th ed. Dir. Am. Scholars, Vol. IV, Philos, Relig. & Law.
- PAUL, DR. JOHN EUGENE**, b. Charleston, Ill. June 13, 17; m. 43; c. 2. **SPEECH PATHOLOGY, LINGUISTICS.** B.S. Ed. Eastern Illinois, 47; M.S. Purdue, 48, res. found. fel. 50, Ph.D. (speech path, audiol), 51. Instr. & asst. dir. speech clin. Purdue, 50-51; dir. & prof. speech path, Mississippi, 52-56; dir. speech path & psychomet. med. col. Alabama, 56-58; prof. speech & chmn. dept., STATE UNIV. N.Y. COL. GENESEO, 58-65, DIR. SPEECH DIV., 65- Consult. Miss. State Sch. for Deaf, Cerebral Palsy Hosp. Sch. & Soc. for Crippled Children Trent. Center, 52-56, A.I.A. Aid for Retarded Children, Hearing & Speech Found. & Cerebral Palsy Center, 56-58. U.S.A. 42-46, 51-52, Capt. AAAS: Speech & Hearing Assn. Speech Assn. Am. Cleft Palate Assn. Voice science. Publ: Parent-child relationships in certain voice variables, *Purdue Res. Found.*, 52. Address: Dept. of Speech, State University of New York College at Geneseo, Geneseo, N.Y. 14454.
- PAUL, PROF. JULIUS.** Political Science. See L-Z Vol. 11th ed. Soc. & Behav. Vols. New position: Prof. polit. sci., State Univ. N.Y. Col. Fredonia, 70- Address: 53 Newton, Fredonia, N.Y. 14063.
- PAUL, DR. ROBERT JAMES**, b. Crivitz, Wis. July 19, 31; m. 55; c. 3. **MANAGEMENT, INDUSTRIAL PSYCHOLOGY.** B.B.A. Wisconsin, 54, M.S. Okla. State, 62; Ph.D. (bus), Arkansas, 66. Exec. trainee, Gen. Motors Corp., 54-55; instr. eng. Corning Glass works, 55-56, process eng., 58-59; proj. mgr., Am. Metal Climax, Inc., 59-62; instr. MGT. Okla. State, 62-63; Arkansas, 63-65; from asst. prof. to ASSOC. PROF., MISSOURI-COLUMBIA, 65-Ord.C. U.S.A. 56-58. Acad. Mgt. Personnel psychology; motivation; organization theory. Publ: Co-auth, Work sampling white collar workers, *J. Retailing*, 2/67; auth, Rating non-manual employees—empirical findings, *Personnel*, 5/68; Performance standards in non-manual work, *Indust. Eng.*, 12/68. Address: Dept. of Management, University of Missouri, Columbia, Mo. 65201.
- PAULL, DR. DONALD.** Clinical Psychology. See L-Z Vol. 11th ed. Soc. & Behav. Vols. Correction: Dipl. clin. psychol. Am. Bd. Exam. Prfnl. Psychol., 62- Address: 4180 Marine Dr., Chicago, Ill. 60613.
- PAULU, PROF. BURTON** b. Pewaukee, Wis. June 25, 10; m. 42; c. 3. **MASS COMMUNICATIONS.** B.A. Minnesota, 31, B.S. 32, M.S. 34; Ph.D. (mass commun), N.Y. Univ. 49. Mgr. radio sta. Univ. Minnesota, MINNEAPOLIS, 38-56. PROF. & DIR. DEPT. RADIO & TV, 57- Proj. supvr. Ford Adult Ed. exp. TV discussion prog. WOI-TV, 51, consult. 51-52; Fulbright scholar, U.K. 53-54; mem. Am. del. U.S.S.R. 58; Ford Found. grants, U.K. 58-59, Geneva, 64-65; assoc. dir., U.S. Off. Ed. contract, telecom. center, Ohio State, 62, 63; Off. Int. Prog. Univ. Minn. grant, Europe, 68; summers, staff mem. radio workshop, N.Y. Univ. 43-46, 47, 48, vis. prof., Southern California, 58, Los Angeles State Col. 61. Consult. Joint Cmt. Ed. TV Meetings, 52-53. Field rep. U.S. Off. War Info, 44-45. World broadcasting, especially radio and television on the European continent. Publ: British broadcasting: radio and television in the United Kingdom, 56, British broadcasting in transition, 61 & Radio and television broadcasting on the European continent, 67, Univ. Minn. Address: Dept. of Radio & Television, Room 2, Eddy Hall, University of Minnesota, Minneapolis, Minn. 55455.
- PAVLOS, DR. ANDREW JOHN**, b. Toledo, Ohio, Jan. 7, 35; m. 60; c. 2. **EXPERIMENTAL SOCIAL PSYCHOLOGY.** B.A. Toledo, 57, M.A. 58; Nat. Sci. Found. grants, Fla. State, summer 61, Wisconsin, summer 64; NASA grant, Nevada, 65-67, Ph.D. (psychol), 67. Res. psychologist, State of Mich., 58-60; ASST. PROF. psychol., concord Col., 60-65; soc. psychol., Western Illinois, 67-68; EXP. SOC. PSYCHOL., JACKSONVILLE, 68- AAAS: Psychol. Assn. Attitude change; experimenter bias and effects; risk-taking. Publ: Sex differences among rural Negro children on the WISC, *W.Va. Acad. Sci.*, 33: 109-114. Address: Dept. of Psychology, Jacksonville University, Jacksonville, Fla. 32211.
- PAYETTE, DR. PIERRE R.** b. Montreal, Que. May 14, 34. **SOCIAL & CLINICAL PSYCHOLOGY.** B.A. Montreal, 54, B.Ph. 57, M.A. 59, Ph.D. (soc. psychol), 64. Assoc. psychologist, M. Lepkin & Co., 60-62; orgn. & personnel consult, Ernst & Ernst, 62-65; sr. consult. indust. psychol., Alexander Grant & Co., 65-67; ASST. PROF. PSYCHOL., CHICAGO STATE COL., 67- Am. Psychol. Assn. Can. Psychol. Assn. Personnel selection techniques; deviant psychology; personality and culture evaluation. Address: 356 W. Wisconsin, Chicago, Ill. 60614.
- PAYN, DR. BENJAMIN ROBERT.** Economics, International Relations. See L-Z Vol. 11th ed. Soc. & Behav. Vols. New position: Chmn. bd. Computad Sci. Syst. Inc., 69- Address: 103 E. 86th St., New York, N.Y. 10028.
- PAYNE, DR. PETER DAVID**, b. Pittsburgh, Pa. Aug. 12, 37; m. 64; c. 1. **SPEECH PATHOLOGY, AUDIOLOGY.** B.S. Ed. Indiana Univ. Pa., 59; M.S. West Virginia, 65, Ed.D. (speech path), 68; Virginia, 65-66. Speech clinician, Cleveland County Pub. Sch., 64-65; asst. prof., SPEECH PATH., AUDIOL., California State Col. (Pa), 66-67; ASST. PROF. West Virginia, 67-68; BRADLEY, 68- Speech & Hearing Assn. Verbal learning. Publ: Auditory blending ability and motor proficiency in children with disorders of articulation, *J. Speech & Hearing Assn.*, fall 65. Address: School of Speech & Hearing Sciences, Bradley University, Peoria, Ill. 61606.
- PAYNE, DR. THOMAS A. (LAN).** Psychology, Human Engineering. See L-Z Vol. 11th ed. Soc. & Behav. Vols. Change of address: 386 Los Altos Ave., Long Beach, Calif. 90814.
- PAYSON, DR. HENRY EDWARDS.** Psychiatry. See Suppl. VI to 11th ed. Phys. & Biol. Vols.
- PAYTON, PRES. BENJAMIN F.** b. Orangeburg, S.C. Dec. 27, 32; m. 59. **SOCIOLOGY, RELIGION.** B.A. S.C. State Col., 55; Billings prize, Harvard, 57, B.D. 58; Danforth fel., 55-63; M.A. Columbia, 60; Ph.D. Yale, 63. Instr. sociol. & relig., Howard Univ. Sch. Relig., 63-65; exec. dir. dept. soc. justice, Nat. Coun. Churches, 66-67; PRES. BENEDICT COL., 67- Mem. S.C. Adv. Cmt. U.S. Cmn. Civil Rights, 67-; Am. Coun. Ed. Administr. Policy Cmn., 68. Sociology of religion; social ethics. Address: Benedict College, Columbia, S.C. 29204.
- PAYZS, DEAN TIBOR.** Political Science. See L-Z Vol. 11th ed. Soc. & Behav. Vols. New information: Walker Lee Cisler prof. polit. sci. & chmn. dept. Detroit, 69- Address: Center for Continuing Education & Community Service, University of Detroit, 4001 W. McNichols, Detroit, Mich. 48221.
- PEABODY, PROF. ROBERT L. (E).** Political Science, Government. See L-Z Vol. 11th ed. Soc. & Behav. Vols. New position: Prof. polit. sci., Hopkins, 69- Address: 4416 Windom Place N.W., Washington, D.C. 20016.
- PEACH, PROF. PAUL.** Statistics, Operations Research. See L-S Vol. 11th ed. Soc. & Behav. Vols. New information: Independent consult., 69- Address: 2 Kensington Rd, San Anselmo, Calif. 94960.
- PEACHEY, PRES. LABAN**, b. Springs, Pa. Apr. 6, 27; m. 53; c. 4. **PSYCHOLOGY.** B.A. Eastern Mennonite Col., 52; M.Ed. Virginia, 58; Ed.D. (counseling psychol), George Washington, 63. Prof. psychol., Eastern Mennonite Col., 54-67, registr., 56-58, dean of students, 57-66; PRES. HESSTON COL., 68-Res. assoc., Coun. Adv. Small Colls, D.C. 65-66; prof. Bridgewater Col., summer 64. Pres. Massanutten Ment. Health Center Bd. Va., 63-64; mem. bd. dirs., Penn Alps Assn. Md., 63-68. Psychol. Assn.; Acad. Polit. & Soc. Sci. Student characteristics, a social psychology approach; student personnel services and programs in small liberal arts colleges. Publ: Learning to understand people, *Herald*, 65. Address: Office of the President, Hesston College, Hesston, Kans. 67062.
- PEARCE, DR. ANTHONY J.** Political Science. See L-Z Vol. 11th ed. Soc. & Behav. Vols. New position: Dir. sr. studies, 69-, Friends World College, Mitchel Gardens, Westbury, N.Y. 11590.
- PEARCY, DR. GEORGE ETZEL.** Geography. See L-Z Vol. 11th ed. Soc. & Behav. Vols. New position & address: Chmn., 69-, Dept. of Geography, California State College, 5151 State College Dr., Los Angeles, Calif. 90032.
- PEARSON, DR. JOHN SUMNER.** Psychology. See L-Z Vol. 11th ed. Soc. & Behav. Vols. New position & address: Clin. psychologist, 69-, Wichita Clinic, 3244 E. Douglas, Wichita, Kans. 67208.
- PEARSON, DR. KEITH LAWRENCE**, b. Chicago, Ill. Apr. 1, 29; m. 56; c. 1. **SOCIAL ANTHROPOLOGY.** B.A. Augustana Col. (Ill.), 51, Ph.D. (anthrop), Arizona, 69. Training coordinator community development, Arizona State, 65-66; exec. dir. Northwest N.Mex. Off. Econ. Opportunity, 66-67; ASST. PROF. ANTHROP., Wis. State, Superior, 67-68; NORTHERN ARIZONA, 68- Consult. southwest region, VISTA & Off. Navajo Econ. Opportunity, Navajo tribe, 65-67. Int. Soc. Community Develop. Political development on the Navajo reservation; community development research, especially for the Southwestern Indian and Mexican American. Address: Dept. of Anthropology, Northern Arizona University, Flagstaff, Ariz. 86001.
- PEARSON, DR. RICHARD JOSEPH.** Anthropology. See L-Z Vol. 11th ed. Soc. & Behav. Vols. New position: Assoc. prof., 69-, Dept. of Anthropology, University of Hawaii, Honolulu, Hawaii 96822.
- PEARSON, PROF. ROSS NORTON.** Geography. See L-Z Vol. 11th ed. Soc. & Behav. Vols. New position: Head dept. geog. & geol., Eastern Michigan, 69- Address: 1007 Lincoln Ave., Ann Arbor, Mich. 48104.
- PEASE, DR. JOHN ALAN**, b. Grand Rapids, Mich. Mar. 8, 36; m. 58; c. 2. **SOCIOLOGY.** B.S. Western Michigan, 60; M.A. Mich. State, 63, Ph.D. (sociol), 68. Asst. instr. SOCIOL., Mich. State, 64-66; ASST. PROF., MARYLAND, 67-, lectr. Eng. studies prog., 68 Summers, instr. Mich. State, 68, faculty res. grant, Maryland, 69. Sociol. Assn. Soc. Study Social Probs. Class-consciousness; class and life-choices; differentials in wealth and income; economic and social mobility; majority-minority relations; social inequality; the relationships between education and stratification; the shape and span of class structures. Publ: Faculty influence and professional participation of doctoral students, *Sociol. Inquiry*, winter 67; co-auth, *Sociology journals*, Am. Sociologist, 2/68 & Income and stratification ideology, *Am. J. Sociol.*, 1/70. Address: Dept. of Sociology, University of Maryland, College Park, Md. 20742.
- PECENKA, DR. JOSEPH OTTO**, b. Chicago, Ill. Sept. 2, 30; m. 54; c. 2. **BUSINESS MANAGEMENT.** B.S. Carnegie Mellon Univ., 52, M.S., Northern Illinois, 64; Ph.D. (bus), Illinois, 67. Instr.-therapist, Vet. Admin. Hosp. Downey, Ill., 53-55; teaching asst. indust. admin. Illinois, 64-66; asst. prof. admin. Antioch Col., 66-67; ASSOC. PROF. MGT., NORTHERN ILLINOIS, 67- History and financial analysis of postwar paper industry; key job characteristics related to business faculty recruitment; job satisfaction and motivation among semiskilled and unskilled workers; image formation among business schools. Address: Dept. of Management, Northern Illinois University, De Kalb, Ill. 60115.

- PECHTEL, DR. CURTIS. Social Psychology. See L-Z Vol. 11th ed, Soc. & Behav. Vols. New position: Mem. faculty, Glendale Community Coll. 68- Address: 1102 E. El Caminito, Phoenix, Ariz. 85020.
- PECK, DR. WILLIAM B. Zoology, Entomology. See Suppl. V to 11th ed, Phys. & Biol. Vols.
- PECKHAM, PROF. ROBERT SMITH, b. Philadelphia, Pa. Apr. 4, 37; m. 59; c. 2. POLITICAL SCIENCE. B.A. Albright Coll. 59; Hopkins Sch. Adv. Int. Studies, 59-61; Syracuse, 64-68. Nat. Defense Ed. Act fel. 65-66. Mgt. intern. Agency Int. Develop. 60-61. bus. analyst, 61-62. int. economist, U.S. Dept. Commerce, 62; instr. soc. sci. & hist. Madison Coll. 63-64; ASST. PROF. POLIT. SCI., ALFRED, 69-. ACTING CHMN. DEPT., 69-. dir. Africa Inst., summers 69 to 70. Polit. Sci. Assn; African Studies Assn. Problems of political development in developing areas especially structures and functional impacts of competing elite structures; special reference to Africa. Publ. Co-auth. A bibliography on anthropology and sociology in Uganda, 67. A bibliography on Kenya, 68. Syracuse Univ. An experimental secondary school curriculum, Africa: conceptual-hypothetical design, Alfred Univ. 69. Address: P.O. Box 458, Alfred, N.Y. 14802.
- PECKMAN, DEAN EDMUND T. International Relations, Student Personnel. See L-Z Vol. 11th ed, Soc. & Behav. Vols. New position: Dean students, San Fernando Valley State College, 69-. Address: 17560 Parthenia, Northridge, Calif. 91324.
- PEDERSEN, DR. EIGIL, b. Montreal, Que. Nov. 2, 29; m. 52; c. 6. SOCIOLOGY, SOCIOLOGY OF EDUCATION. B.A. Sir George Williams, 56; M.A., McGill, 60; Ed.D. (soc. ed.), Harvard, 66. ASSOC. PROF. ED., MACDONALD COLL., MCGILL, 66-. Sociol. Assn; Can. Sociol. & Anthropol. Assn. Social psychology of interpersonal and group relations in educational contexts. Publ.: Measured IQ related to teacher-estimated intelligence, McGill J. Ed., Vol. III, No. 1. Address: P.O. Box 25, Macdonald College, Que. Can.
- PEEK, ROLAND M(ANLEY). Clinical Psychology. See L-Z Vol. 11th ed, Soc. & Behav. Vols. New information: Acting res. dir. Dept. Pub. Welfare, State of Minn. 68-. asst. prof. psychol., Minnesota, 68-. Address: Grey Cloud Island, St. Paul Park, Minn. 55071.
- PEGRAM, DR. JOE D. Applied Statistics, Computer Science. See Suppl. VI to 11th ed, Phys. & Biol. Vols.
- PEINS, DR. MARYANN, b. S. Amboy, N.J. SPEECH PATHOLOGY. B.A., Montclair State Coll., 47; M.A., Denver, 48; Ph.D. (speech path.), Pa. State, 58; M.A., N.Y. Univ., 60. Asst. prof. speech, N.Y. Univ., 48-58; ASSOC. PROF. SPEECH PATH., South. Conn. State Coll., 58-61; DOUGLASS COL., RUTGERS, 61-. Fed. grant, Northwestern Univ., 66; Rutgers Univ. Res. Coun. grant, 68-69; Dept. Health, Ed. & Welfare Voc. Rehab. Admin. res. grant, 68-71. Col. counselor, Off. Counseling Serv., N.Y. Univ., 50-57; dir. speech & hearing center, South. Conn. State Coll., 58-61. Dir. speech & hearing clin., Middlesex Rehab. Hosp., New Brunswick, N.J., 61-. speech path. consult., Roosevelt Hosp., Metuchen, 63-. Speech & Hearing Assn. Stuttering; mental retardation: speech therapy methodology. Publ.: Client-centered communication therapy for mentally retarded delinquents, J. Speech & Hearing Disorders, 67; Bibliography on speech, hearing and language in relation to mental retardation, 1900-1968, Dept. Health, Ed. & Welfare, 69-. Co-auth. A grade recorded therapy method for stutterers: a case report, J. Speech & Hearing Disorders, 70. Address: Dept. of Speech, Douglass College, New Brunswick, N.J. 08903.
- PEIRCE, PROF. J(ohn) TREVOR, b. Boston, Mass., Oct. 15, 24. PSYCHOLOGY. B.A. Princeton, 45; Ph.D. California, 57. Instr. soc. psychol., Harvard, 58-59, lectr., 59-60; asst. prof. PSYCHOL., Pittsburgh, 60-68, assoc. prof., 68-69; PROF. & CHMN. DEPT., BETHANY COL., 69-. Psychol. Assn. Learning, motivation; physiological psychology. Address: Dept. of Psychology, Bethany College, Bethany, W.Va. 26032.
- PEJOVICH, DR. SVETOZAR, b. Belgrade, Yugoslavia, Mar. 22, 31; U.S. citizen, m. 58; c. 3. ECONOMICS. LL.B., Belgrade, 55; Ph.D. (econ.), Georgetown, 63. Asst. prof. ECON. ST. Mary's Coll., 62-66; assoc. prof., Dallas, 66-67; Texas A&M, 67-70; PROF., OHIO, 70-. Nat. Sci. Found. grant in-serv. inst., 66-67; Relm Found. grant, 67-68; Am. Assn. Learned Soc. grant, 68-69. Assoc. ed., Rev. Soc. Econ. 67. Econ. Assn. Economic theory, especially the role of property rights on the behavior of decision-makers. Publ.: The market-planned economy of Yugoslavia, Univ. Minnesota, 66; Liberman's reforms and property rights in the Soviet Union, J. Law & Econ., 4/69; The firm, monetary policy and property rights in a planned economy, West. Econ. J., 9/69. Address: Dept. of Economics, Ohio University, Athens, Ohio 45701.
- PELLEGRINI, DR. ROBERT J. b. Worcester, Mass., Oct. 21, 41; m. 62. PSYCHOLOGY. B.A. Clark, 63; M.A., Denver, 66; Ph.D. (psychol.), 68. Nat. Inst. Ment. Health clin. trainee PSYCHOL., Denver, 63-64, res. fel., 64-67; ASST. PROF., SAN JOSE STATE COL., 67-. Psychol. Assn. Spatial dynamics of human social behavior; social perception; interpersonal attraction. Publ.: Co-auth. The meaningfulness of Negro-White differences in intelligence, Psychol. Record, 16, 4-6; Religion, American values and death perspectives, Sociol. Symp., 1: 57-66. Address: Dept. of Psychology, San Jose State College, 125 South Seventh St., San Jose, Calif. 95114.
- PELLEGRINO, DR. LOUIS (JOHN), b. New York, N.Y., Apr. 16, 42; m. 65. PHYSIOLOGICAL PSYCHOLOGY, NEUROPSYCHOLOGY. B.A., Colgate, 63; M.A., McGill, 64. Nat. Inst. Ment. Health fel. 64-67, Ph.D. (psychol.), 67. ASST. PROF. PSYCHOL., Lake Forest Coll., 67-69; MIDDLEBURY COL., 69-. Shell Found. faculty res. grant, Lake Forest Coll., summer 68. AAAS; Psychol. Assn. Central nervous system mechanisms of learning, memory and emotional behavior. Publ.: Co-auth. A stereotaxic atlas of the rat brain, Appleton, 67; auth. The effects of amygdaloid stimulation on passive avoidance, Psychonomic Sci., 65 & Amygdaloid lesions and behavioral inhibition in the rat, J. Comp. & Physiol. Psychol., 68. Address: Dept. of Psychology, Middlebury College, Middlebury, Vt. 05753.
- PELLETIER, PROF. RAYMOND M(ARCEL), b. Mont-Laurier, Que., Dec. 4, 31; m. 61; c. 3. ECONOMIC GEOGRAPHY. B.A., Montreal, 58, M.A., 62; Ph.D. (geog.), Bordeaux, 68. Teacher geog. Nicolet Sem., 61-66; PROF. GEOG., Center of Univ. Studies, 68-69; QUEBEC, TROIS-RIVIERES, 69-. Ministry of Ed. of Quebec grants, 67-68. Summers, Tech. officer, geog. br., Ottawa, 59-61, group leader, Bur. Mgt. E. Quebec, 64. Can. Assn. Geog. Rural population and economy: recreational geography; marketing. Publ.: Evolution agricole de l'île Jésus, Revue Canadienne de Géographie, 62. Address: 439 Rue Monseigneur Courchesne, Nicolet, Que. Can.
- PELTO, DR. PERTTI JUHO. Anthropology. See L-Z Vol. 11th ed, Soc. & Behav. Vols. New position & address: Assoc. prof., 69-. Dept. of Anthropology, University of Connecticut, Storrs, Conn. 06268.
- PELTON, DR. LEROY H(OWARD), b. New York, N.Y., Apr. 30, 40; m. 68; c. 3. PSYCHOLOGY. B.S., Brooklyn Coll., 61; M.A., New Sch. Soc. Res., 63; Ph.D. (psychol.), Wayne State, 66. ASST. PROF. PSYCHOL., STATE UNIV. N.Y. ALBANY, 66-. Psychol. Assn; Soc. Psychol. Study Social Issues. Cognitive processes; perception; social psychology; nonverbal speech. Publ.: Co-auth. Acceleration of reversals of a necker cube, Am. J. Psychol., 68 & A test of two measures of semantic satiation, J. Verbal Learning & Verbal Behav., 69; auth. Medial construction vs. mediational perception in paired-associate learning, Psychonomic Sci., 69. Address: Dept. of Psychology, State University of New York at Albany, Albany, N.Y. 12203.
- PELZ, DR. DONALD (CAMPBELL). Social Psychology. See L-Z Vol. 11th ed, Soc. & Behav. Vols. Change of address: 2406 Geddes Ave., Ann Arbor, Mich. 48104.
- PENDERGAST, R(USSELL) (ANTHONY) J(OSEPH), C.S.B. Economics. See L-Z Vol. 11th ed, Soc. & Behav. Vols. New position: Assoc. prof., Alberta, 69-. Address: St. Joseph's College, University of Alberta, Edmonton, Alta. Can.
- PENFIELD, DR. ROBERT VERDON, b. Roosevelt, Utah, Sept. 21, 28; m. 60; c. 2. PERSONNEL ADMINISTRATION. B.S., Brigham Young, 51; M.S., Utah, 60; Ph.D. (indust. rels.), Cornell, 66. ASST. PROF. MGT., Fairleigh Dickinson, 64-65; PERSONNEL MGT., MICH. STATE, 66-. U.S. Agency Int. Develop. proj. adv. to Acad. Econ. & Commercial Sci., Turkey, 67-69. U.S.N., 54-57, Lt. Psychol. Assn; Indust. Rels. Res. Assn; Acad. Mgt. Early identification and development of managerial staff; personnel policies and practices and the utilization of the disadvantaged minorities in society. Address: 1013 Beech St., East Lansing, Mich. 48823.
- PENNINGTON, DR. RALPH ALDEN. Industrial Relations. See L-Z Vol. 11th ed, Soc. & Behav. Vols. New position: Prof. & head, 69-. Dept. of Business Administration, School of Business Administration, Pan American College, Edinburg, Tex. 78539.
- PENN, WILLIAM (SWAIN). Economics, Business Administration. See L-Z Vol. 11th ed, Soc. & Behav. Vols. New position & address: Sr. consult., 70-, 422 Waverley St., Palo Alto, Calif. 94301.
- PENNAR, DR. JAAN. Politics. See L-Z Vol. 11th ed, Soc. & Behav. Vols. New publ. Co-auth. Modernization and diversity in soviet education, Praeger, 70. Address: 900 W. 190th St., New York, N.Y. 10040.
- PENNEY, PROF. NORMAN. Law. See 5th ed, Dir. Am. Scholars, Vol. IV, Philos. Relig. & Law.
- PEPPER, PROF. GEORGE B. Philosophy. See 5th ed, Dir. Am. Scholars, Vol. IV, Philos. Relig. & Law.
- PEPPER, DR. MAX PHILIP. Medicine, Sociology. See L-Z Vol. 11th ed, Soc. & Behav. Vols. New position & address: Prof. & chmn., 69-. St. Louis University Medical School, 1402 S. Grand Blvd., St. Louis, Mo. 63104.
- PERKINS, PROF. CHARLES C(ALLAHAN), JR. Psychology. See L-Z Vol. 11th ed, Soc. & Behav. Vols. New position & address: Prof., 69-, Dept. of Psychology, Kansas State University, Manhattan, Kans. 66502.
- PERKINS, DR. EUGENE REED, b. Beaver Creek, Minn., Apr. 4, 21; m. 41; c. 3. PSYCHOLOGY. B.S. ST. Cloud State Coll., 47; M.A., Minnesota, 52; Cincinnati, 52-55; Regional Sci. Assn. fel. & Ed.D. (spec. ed. rehab. counseling), Colo. State Coll., 67. Teacher, pub. schs., Minn., 47-50; part-time counsr., Minn. Serv. for Blind, 50-51; counsr., pub. schs., Ohio, 52-53, sch. psychologist, 53-56, coordinator work experience prog., eve. high sch., 52-56; psychologist, ST. CLOUD STATE COL., 56-57, assoc. prof. PSYCHOL., 57-70, PROF., 70-. Mobilization designee, Army Personnel Res. Off., 56-70. Coordinator, Rehab. Counseling Prog., 67. Consult. Minn. State Planning Agency & V.A. Rehab., 66-69. U.S.A. 41-46, Nat. Guard Res., 46-70, Lt. Col. Nat. Rehab. Assn; Personnel & Guid. Assn. Counseling process; counselor training; psychological impact of disability; computer applications to education and to learning. Address: Dept. of Psychology, St. Cloud State College, St. Cloud, Minn. 56301.
- PERKINS, DR. JOHN (ALANSON). Political Science. See L-Z Vol. 11th ed, Soc. & Behav. Vols. New position & address: Pres. & chief exec. officer, 69-, Wilmington Medical Center, P.O. Box 1668, Wilmington, Del. 19899.
- PERKINS, DR. JOHN C(HESTER). Psychology. See L-Z Vol. 11th ed, Soc. & Behav. Vols. Change of address: 6803 Algonquin Court, Annandale, Va. 22003.
- PERLES, PROF. B(ENJAMIN) M(AX). Economics, Accounting. See L-Z Vol. 11th ed, Soc. & Behav. Vols. New publ. Co-auth. Freund and Williams modern business statistics, Prentice-Hall, rev. ed., 69. Address: 38 Everett St., Newton Centre, Mass. 02159.
- PERLMAN, DR. MELVIN L(EE), b. Pampa, Tex., Feb. 26, 33; m. 56; c. 3. SOCIAL ANTHROPOLOGY. B.A., Yale, 55; Friends of Hebrew Univ. fel., Hebrew Univ., Jerusalem 55-56; dipl. anthropol., Oxford, 57, B.Litt., 58, Nat. Sci. Found. fel., 62-63. D.Phil. (soc. anthrop.), 63; fel., Makerere Univ. Coll., Uganda, 59-62; Soc. Sci. Res. Coun. fel., Uganda & Oxford, 62. Full re-

- searcher African women, *Ecole Pratique des Hautes Etudes*, Paris, 58-59; asst. prof. anthrop. California, Berkeley, 63-70; ASSOC. PROF. SOCIOL., BROCK, 70- Summer faculty fel, Univ. California, Berkeley, 64, grants, Inst. Sci. 66-67; Inst. Int. Studies, 66-69, Nat. Insts. Health, 67-68, African Studies Center, Univ. California, Los Angeles, 65-68, Anthropol. Assn; African Studies Assn, Social anthropological methodology and theory; social change; marriage and family life; political anthropology; social control and law; Africa. Publ: The changing status and role of women in Toro (Western Uganda), *Cahiers d'Etudes Africaines*, 66; Intensive fieldwork and scope sampling: methods for studying the same problem at different levels, in: *Marginal natives: anthropologists at work*, Harper, 70; The traditional systems of stratification among the Ganda and the Nyoro of Uganda, in: *Social stratification in Africa*, Free Press, 70. Address: Dept. of Sociology, Brock University, St. Catharines, Ont, Can.
- PERLOFF, DR. BERNARD, B. Los Angeles, Calif, May 22, 42. PSYCHOLOGY, A.B. California, Los Angeles, 65; Ph.D. (psychol.) Stanford, 70. ASST. PROF. PSYCHOL., SOUTHERN CALIFORNIA, 70- Consult, Camarillo State Hosp, Calif, 70. Symbolic control of human behavior; analysis of urban and environmental problems from psychological perspectives. Publ: Co-auth, Modification of autistic behavior with LSD-25, *Am. J. Psychiat*, 66, Acquisition of imitative behavior in schizophrenic children, *Science*, 66 & The relative efficacy of self-monitored and externally imposed reinforcement systems, *J. Personality & Soc. Psychol*, 67. Address: 1520 Roscomare Rd, Los Angeles, Calif. 90024.
- PERLOFF, DEAN HARVEY S(TEPHEN). Economics. See L-Z Vol, 11th ed, Soc. & Behav. Vols. New position & address: Prof., Dept. of Architecture & Urban Planning, University of California, Los Angeles, Calif. 90024.
- PERLOFF, PROF. ROBERT. Psychology. See L-Z Vol, 11th ed, Soc. & Behav. Vols. New position & address: Prof. bus. admin. & psychol. & dir. mgt. res. center, 69- Graduate School of Business, University of Pittsburgh, Pittsburgh, Pa. 15213.
- PERRITT, PROF. HENRY HARDY. Speech. See 5th ed, Dir. Am. Scholars, Vol. II, Eng, Speech & Drama.
- PERROTT, DR. DAVID R., B. Salem, Ohio, Dec. 6, 42; m. 66. EXPERIMENTAL PSYCHOLOGY, PSYCHOACOUSTICS. B.A., Ohio, 64; M.A. Kent State, 66, fel, 67-68, Ph.D. (psychol.), 68. Res. asst. PSYCHOL, Kent State, 64-67; ASST. PROF., CALIF. STATE COL. LOS ANGELES, 68- AAAS; Acoustical Soc. Am. Primary sensory encoding; development of spatial perception. Publ: Role of signal onset in sound localization, 1/69, co-auth, Limits for the detection of binaural beats, 12/69 & Binaural fusion: its limits as defined by signal duration and signal onset, 2/70, J. Acoustical Soc. Am. Address: Dept. of Psychology, California State College at Los Angeles, State College Dr, Los Angeles, Calif. 90032.
- PERROW, PROF. CHARLES B(RYCE). Sociology. See L-Z Vol, 11th ed, Soc. & Behav. Vols. New position & address: Prof., 70-, Dept. of Sociology, State University of New York at Stony Brook, Stony Brook, N.Y. 11790.
- PERRY, DR. BRUCE, B. Philadelphia, Pa, Oct. 31, 36. POLITICAL SCIENCE. A.B. Bates Col, 58; M.A. Pennsylvania St, Phila, 68. ASST. PROF. GOVT., TEXAS, ARLINGTON, 65- U.S.A. 69-60. Polit. Sci. Assn. How unconscious emotions affect political attitudes and behavior. Publ: A modest proposal for a change in the law on presidential succession and presidential disability, *Southwest. Soc. Sci. Quart*, 12/66. Address: Apt. 154, 927 Peach St, Arlington, Tex. 76010.
- PERRY, DR. J. WARREN. Psychology. See L-Z Vol, 11th ed, Soc. & Behav. Vols. Change of address: 800 W. Ferry St, Apt. 11-D, Buffalo, N.Y. 14222.
- PERRY, DR. LOUIS B(ARNES). Economics. See L-Z Vol, 11th ed, Soc. & Behav. Vols. New position: Exec. V-pres, 69-, Standard Insurance Co, Standard Plaza Bldg, 1100 S.W. Sixth Ave, Portland, Ore. 97204.
- PERRY, DR. LOUISE C(EREWICK), B. Harvey, Ill, Nov. 2, 42; m. 69. PSYCHOLOGY. B.A. Northern Illinois, 64; univ. fel, Wisconsin, 64-65, M.A., 66, U.S. Pub. Health Serv. fel, 66-69, Ph.D. (psychol.), 69. Asst. prof. PSYCHOL, State Univ. N.Y. Binghamton, 69-70; RES. ASSOC., WISCONSIN, MADISON, 70- AAAS. Human cognitive and verbal processes within the context of conditioning procedures employing verbal stimuli. Publ: Co-auth, Delay of positive reinforcement in instrumental eyelid conditioning, 67 & Appropriateness of the stimulus-reinforcement contingency in instrumental differential conditioning of the eyelid response to the arithmetic concepts of right and wrong, 68, J. Exp. Psychol; The effect of number and relatedness of verbal discriminanda upon differential eyelid conditioning, J. Verbal & Learning & Verbal Behav, 68. Address: Dept. of Psychology, University of Wisconsin, Madison, Wis. 53706.
- PERRY, DR. PERCIVAL. American Economic History. See 5th ed, Dir. Am. Scholars, Vol. I, Hist.
- PERRY, DR. STEWART E(DMOND). Social Psychology. See L-Z Vol, 11th ed, Soc. & Behav. Vols. New position: Dir, Center for Community Econ. Develop, 69- Address: 30 Soden St, Cambridge, Mass. 02139.
- PERSONS, DR. ROBERT H., JR. Economics. See L-Z Vol, 11th ed, Soc. & Behav. Vols. Correction: Assoc. prof, econ, Bridgeport, 64-68, prof, 68- Address: 16 Whitehouse Rd, White Plains, N.Y. 10607.
- PERUSSE, PROF. ROLAND (IRVING). Political Science. See L-Z Vol, 11th ed, Soc. & Behav. Vols. New position: Spec. asst. to gov. of P.R., 69- Address: El Monte Apt. B 718, Hato Rey, P.R. 00918.
- PESKIN, DR. HENRY M(MARTIN). Economics. See L-Z Vol, 11th ed, Soc. & Behav. Vols. New position & address: Economist, 69-, Institute for Defense Analyses, 400 Army Navy Dr, Arlington, Va. 22202.
- PETAK, DR. WILLIAM JOHN, b. Johnstown, Pa, June 23, 32; m. 57; c. 3. BUSINESS & PUBLIC ADMINISTRATION. B.S. Pittsburgh, 56; M.B.A., Southern California, 63, M.P.A. & D.P.A. (pub. admin.), 69. Engr., Northrop Corp, 56-59; contracts adminstr, Wyke Labs, 59-62, sr. field engr, 62-63; west mgr, instruments div, Budd Co, 63-66; mgr. admin, Automation Industries, Inc, 68-69; V.PRES. ADMN, ANAL. SCI. CORP, 69-; ASSOC. PROF. PUB. ADMIN, CALIF. STATE COL. FULLERTON, 70-; asst. prof., Southern California, 69-70, C.Eng. U.S.A., 50-52, S/Sgt. Inst. Aeronaut. & Astronaut; Soc. Nondestructive Test; Soc. Pub. Admin; Mgt. Assn. Relationships between budgetary control, economizing and entrepreneurial behavior. Address: 6044 Mossbank Dr, Palos Verdes Peninsula, Calif. 90274.
- PETER, DR. HOLLIS (WILLIAM). Economics, Social Science. See L-Z Vol, 11th ed, Soc. & Behav. Vols. New information: Adj. prof. sch. mgt. & in policy sci. prog, State Univ. N.Y. Buffalo, 69-; soc. sci. consult, Shell Co. of Australia, Singapore, Malaysia & the Philippines. Address: The Shell Company of Australia Ltd, 155 William St, Melbourne 3000, Australia.
- PETERMAN, PROF. JACK N(AT). Psychology. See L-Z Vol, 11th ed, Soc. & Behav. Vols. New position: Prof. & chmn. advertising sequence, 66-, School of Journalism & Mass Communication, University of Minnesota, 102 Murphy Hall, Minneapolis, Minn. 55455.
- PETERS, DR. DONALD LOUIS, B. New York, N.Y., June 20, 38; m. 62; c. 2. DEVELOPMENT PSYCHOLOGY. B.A. Brown, 60; Harvard, 63-65; M.Ed., Northeastern, 66; Ph.D. (ed. psychol.), Stanford, 68. ASST. PROF. CHILD DEVELOP., PA. STATE, 68- Consult, Human Resources Cmn, Calif, 66-68; Calif. schs, 67-68, U.S.N. 60-65, Res. 65-68, L. Psychol. Assn; Soc. Res. Child Develop. Early childhood education; personality factors in cognition; social development of young children. Publ: Task variations and individual differences in Piaget's conservation of number, Merrill-Palmer Quart, 10/67; co-auth, Observing behavior in kindergarten and preschool classes, *Childhood Ed*, 2/68; auth, Verbal mediators and cue discrimination in transition from nonverbal to conservation of number, *Child Develop*, 9/70. Address: Dept. of Individual & Family Studies, College of Human Development, Pennsylvania State University, University Park, Pa. 16802.
- PETERS, PROF. ROBERT WILLIAM. Speech Pathology, Audiology. See L-Z Vol, 11th ed, Soc. & Behav. Vols. New position & address: Prof. speech & hearing & dir, 69-, Institute of Speech & Hearing Sciences, University of North Carolina, Chapel Hill, N.C. 27514.
- PETERSEN, DR. JAMES W(ILLIAM). Economics. See L-Z Vol, 11th ed, Soc. & Behav. Vols. New position & address: V-pres, 69-, Southeast Bank Corp, 100 S. Biscayne Blvd, Miami, Fla. 33101.
- PETERSEN, DR. PAUL G(ORDON). Psychology. See L-Z Vol, 11th ed, Soc. & Behav. Vols. New position: Res. assoc., Center for Advanced Study in Theoretical Psychology, University of Alberta, Edmonton, Alta, Can.
- PETERSON, PRES. ARTHUR LAVERNE. Political Philosophy. See L-Z Vol, 11th ed, Soc. & Behav. Vols. New position & address: Exec. dir, 69-, Center for Advanced Studies in International Business, Hilton Center, Suite 938, 900 Wilshire, Los Angeles, Calif. 90017.
- PETERSON, DR. HANS J. International Studies. See 5th ed, Dir. Am. Scholars, Vol. I, Hist.
- PETERSON, DR. HAROLD A., b. St. Paul, Minn, Sept. 11, 26; m. 50; c. 4. SPEECH PATHOLOGY. B.A., Minn State Col, 50, B.S., 58; Off. Voc. Rehab. fel, Iowa, 61-62, M.A., 62; Ph.D. (speech path), Illinois, 67. Coordinator speech clin. & asst. prof. speech path, Illinois, 62-67; ADMN. ASST. TO HEAD DEPT. AUDIOL. & SPEECH PATH. & ASSOC. PROF. SPEECH PATH. TENNESSEE, 67- U.S.N. 44-46. Speech & Hearing Assn. Speech and language deficiency measurement; stuttering; psycholinguistic aspects of speech disorders. Publ: A study to determine relationships between children's articulation skills and visual distortion, *Speech Monographs*, 65; Affective meaning of words as rated by stuttering and nonstuttering readers & co-auth, Test of satiation as a function of adaptation in stuttering, J. Speech Hearing Res, 69. Address: Dept. of Audiology and Speech Pathology, University of Tennessee, Knoxville, Tenn. 37916.
- PETERSON, DEAN HOWARD C(HESTER), b. Huron, S.Dak, June 28, 28; m. 49; c. 3. EDUCATIONAL PSYCHOLOGY, GUIDANCE & COUNSELING. B.S. S.Dak, Sch. Mines & Tech, 50; M.S., North. State Teachers Col, 55; D.Ed. (ed. psychol. guid), South Dakota, 69. Trainee geophysics, Mt. Geophysics Co, 50; teacher, high sch, S.Dak, 51-57; counsr. & dir. placement, S.DAK. SCH. MINES & TECH, 57-59, asst. dean students, 59-66, assoc. dean students, 66-69, DEAN STUDENTS, 69- Personnel & Guid. Assn. Utilization of personality measures as indices of persistors in an undergraduate engineering program. Address: 2801 W. St. Anne St, Rapid City, S.Dak. 57701.
- PETERSON, DR. JOHN M(ARSHALL). Economics. See L-Z Vol, 11th ed, Soc. & Behav. Vols. New position & address: Exec. dir, 69-, Arkansas Planning Commission, Game & Fish Bldg, State Capitol Mall, Little Rock, Ark. 72201.
- PETERSON, DR. PAUL V(ANARD), b. St. Paul, Minn, July 3, 25; m. 50; c. 2. JOURNALISM. B.A. Colorado, 48; teaching cert, Bemidji State Col, 49-50; M.A., Minnesota, Minneapolis, 54, Ph.D. (journalism), 66. Assoc. publisher, Rocky Ford Enterprise, Colo, 48; managing ed, Spencer Daily Reporter, Iowa, 48-49; photographer-reporter, Bemidji Daily Pioneer, Minn, 49-50; teacher sr. high sch, Idaho, 50-51; dir. pub. rels, Wisconsin State Col. River Falls, 54-55; chmn. dept. journalism, Munic. Univ. Omaha, 55-67; ASSOC. PROF. JOURNALISM, OHIO STATE, 67- Pub. Rel. Soc. Am. fel, Am. Med. Assn, summer 61. U.S.N. 43-, Res. Lt. Comdr. Assn. Ed. in Journalism. Newspaper history; photography. Publ: Chap. in: *Modern Journalism*, Pitman, 58. Address: School of Journalism, Ohio State University, 242 W. 18th Ave, Columbus, Ohio 43210.

- PETERSON, DR. ROBERT MAURICE. Psychology. See L-Z Vol, 11th ed, Soc. & Behav. Vols. New position: Tech. adv. 68-. System Development Corp, 2500 Colorado Ave, Santa Monica, Calif. 90406.
- PETERSON, DR. RONALD AL. Rehabilitation Psychology. See L-Z Vol, 11th ed, Soc. & Behav. Vols. New position & address: Exec. dir, Northern Arizona Comprehensive Guidance Center, Inc, 2725 E. Lakin Dr, Flagstaff, Ariz. 86001.
- PETERSON, DR. WALTER HUDSON. Psychology. See L-Z Vol, 11th ed, Soc. & Behav. Vols. New position: Regional partner, Nordli Wilson Assoc, Chicago, 68-. Address: 6618 W. Hillside Rd, Crystal Lake, Ill. 60014.
- PETRAS, DR. JAMES (FRANK), b. Lynn, Mass, Jan. 17, 37; m. 59; c. 2. POLITICAL SCIENCE, PUBLIC ADMINISTRATION. B.A. Boston, 58; M.A. California, Berkeley, 63, Inst. Int. Studies fel, 63-65; Doherty Found. fel, 65-66, Ph.D. (polit. sci), 67. Res. assoc. Center Latin Am. Studies, Inst. Int. Studies, California, Berkeley, 66-67; ASSOC. PROF. POLIT. SCI, PA. STATE, 67. Res. scholar, Center Study Democratic Insts, Calif, 67. United States and Latin American development, politics and administration of agrarian reform; peasant politics in Latin America; politics and social structure in Latin America. Publ: Politics and social forces in Chilean development, Univ. California, 69; co-auth, Las bases sociales de la izquierda Chilena, Centro Editor Am. Latina Buenos Aires, 69; co-ed, Fidel Castro speaks, Grove, 69. Address: Institute of Public Administration, Pennsylvania State University, 302 Eng. E, University Park, Pa. 16802.
- PETRAS, PROF. JOHN W., b. Ashland, Wis, Feb. 17, 40; m. 60; c. 2. SOCIOLOGY. B.A. Northland Col, 62; M.A. Connecticut, 64, Nat. Defense Ed. Act fel, 64-66, Ph.D. (sociol), 66. Asst. prof. SOCIOL, CENTRAL MICH. GAN, 66-67, assoc. prof, 67-69, PROF. 69. Soc. Sci. Assn; Acad. Polit. & Soc. Sci. Sociology of knowledge; social psychology; sociological theory. Publ: George Herbert Mead: essays on his social philosophy, Teachers Col, 68; co-auth, The sociology of knowledge, Praeger, 70; The Chicago and Iowa schools of symbolic interactionism, In: Human nature and collective behavior, Prentice-Hall, 70. Address: Dept. of Sociology, Central Michigan University, Mt. Pleasant, Mich. 48859.
- PETRICCIANI, DR. JOHN C. Physical Chemistry, Medicine. See Suppl. V to 11th ed, Phys. & Biol. Vols.
- PETRIE, DR. ASENATH. Medical Psychology. See L-Z Vol, 11th ed, Soc. & Behav. Vols. New position: Assoc. surg, Harvard Med. Sch, 69-. Address: 30 Hurley St, Belmont, Mass. 02178.
- PETRIE, DR. HUGH GILBERT. Philosophy. See 5th ed, Dir. Am. Scholars, Vol. IV, Philos, Relig. & Law.
- PETRO, PROF. SYLVESTER. Law. See 5th ed, Dir. Am. Scholars, Vol. IV, Philos, Relig. & Law.
- PETROF, DR. JOHN V., b. Istanbul, Turkey, Jan. 7, 33; U.S. citizen; m. 59; c. 2. MARKETING MANAGEMENT. B.A. Emerson, 58, B.E.A., 59. Dept. Interior Fisheries fel, Florida, 63-64, Ph.D. (mkt), 62. Instr. mkt, Atlanta, 59-61, asst. prof, 61-62; interim instr. econ, Florida, 62-63; ASSOC. PROF, MKT, Atlanta, 64-68; XAVIER (OHIO), 68. Fredin Found. Inst. Studies award, 70. Consult, Atlanta Univ. Regional Econ. Develop. center, 64-68; Eastman Kodak Co. & Marcy Assocs, 68. Mem. bd. dir, Opportunities Industrialization Center, 60. U.S.A., 52-55, 1st Lt. Mkt. Assn; Soc. Adv. Mgt. Study of the cultural and other environmental aspects of marketing and their implications for management. Publ: Customer strategy for Negro retailers, J. Retailing, fall, 67; Reaching the Negro market; a segregated vs. a general newspaper, J. Advertising Res, 6/68; Corporate image of chain stores among Ghetto residents, South. J. Bus, 4/69. Address: Dept. of Marketing, Xavier University, Cincinnati, Ohio 45207.
- PETRONI, DR. FRANK, b. Boston, Mass, Feb. 4, 36; m. 57; c. 2. SOCIOLOGY. B.S. Emerson Col, 61; M.A. Arizona, 63; Ph.D. (sociol), Minnesota, 68. Instr. sociol, Minnesota, Duluth, 63-65; RES. SOCIOLOGIST, MENNINGER FOUND, 68-. U.S.A., 54-57. Sociol. Assn. Relationship of social-psychological processes and situational variables in illness behavior; intergroup relations in a desegregated high school. Publ: Influence of age, sex and chronicity in perceived legitimacy to the sick role, Sociol. & Social Res, 1/69; Social class, family size and the sick role, J. Marriage & the Family, 11/69; Significant others and illness behavior: a much neglected sick role contingency, Sociol. Quart, winter 69. Address: Menninger Foundation, Topeka, Kans. 66601.
- PETROV, PROF. VLADIMIR. International Relations, History. See L-Z Vol, 11th ed, Soc. & Behav. Vols. New position: Prof. int. affairs, 69-. Institute for Sino-Soviet Studies, The George Washington University, Washington, D.C. 20006.
- PETTIT, DR. LAWRENCE KAY. Political Science. See L-Z Vol, 11th ed, Soc. & Behav. Vols. New position & address: Dir. polit. sci. prog, 69-. Dept. of Government, Montana State University, Bozeman, Mont. 59715.
- PETTIT, PROF. MAURICE LEON, b. Greensburg, Mo, Sept. 8, 15; m. 42; c. 2. ORGANIZATIONAL PSYCHOLOGY. B.A. Cent. Wash. State Col, 39; M.A. Washington (Seattle), 48, Ph.D. (counseling & biol. sci), 50. Dean of men, Cent. Wash. State Col, 51-54, head div. ed. psych. & phys., 54-61; consult, arts & sci. cmf. develop. integrative ed. prog, California, Los Angeles, 61-62; res. develop. center, CENT. WASH. STATE COL, 63-68, PROF. PSYCHOL, 68-. Consult, Int. Bus. Mach. Corp, Puyallup Sch. Dist, Wash, 67-69; Seattle Commun. Col. & Yakima Valley Col, 69; Nat. Ed. Assn, 69-70. Mem, Nat. Inst. Appl. Behav. Sci. U.S.A., 41-42; U.S.A.-F, 42-46. Lt. Col. Psychol. Assn. Applied behavioral science research to social and organizational settings. Publ: Auth, Human relations tapes (12), Ed. Media, 70. Address: 613 N. Anderson St, Ellensburg, Wash. 98926.
- PEUCKER, DR. THOMAS K(ARL), b. Munich, Germany, Aug. 3, 38; m. 66; c. 1. GEOGRAPHY. Munich, 59-61; Saarbrücken, 61-63; Ph.D. (geog), Heidelberg, 66. Res. asst. regional sci. dept. econ, Heidelberg, 63-66, res. asst. regional planning, S. Asia Inst, 66-67; ASST. PROF. GEOG, SIMON FRASER UNIV, 67-. ASST. TO ACAD. PLANNER, 70-. Vis. fel, lab. comput. graphics & spatial anal, Harvard, 68; vis. scholar, Washington (Seattle), 69. Asn. Am. Geog. Reg. Sci. Assn; Can. Asn. Geog. Economic geography; location theory; qualitative geography; computer geography. Address: Dept. of Geography, Simon Fraser University, Burnaby 2, B.C., Can.
- PFAFF, DR. DONALD WELLS. Physiological Psychology. See Suppl. V to 11th ed, Phys. & Biol. Vols.
- PFAFF, PROF. PAUL LEWIS, b. Waterloo, Iowa, Sept. 4, 04. SPEECH PATHOLOGY, PSYCHOLOGY. B.A. Stanford, 28; M.A. Southern California, 36, Ph.D. (speech), 51. PROF. SPEECH, SAN DIEGO STATE COL, 31-. U.S.A., 42-45. Speech & Hearing Assn. Aphasia; dysphemia. Address: Dept. of Speech Arts, San Diego State College, San Diego, Calif. 92115.
- PFANNSTIEL, DR. MAURICE, b. Munjor, Kans, Dec. 3, 38; m. 69. ECONOMICS. B.A. Ft. Hays Kans. State Col, 60; M.S. Okla. State, 66, Ph.D. (econ), 67. Instr. acct, Okla. State, 64-66; asst. prof. ECON, WICHITA STATE, 66-69, ASSOC. PROF, 69-. U.S.A.R, 63-69. Econ. Assn; Am. Acct. Assn. Estimation of production and progress functions and labor force adjustment. Publ: Adjustment of the size of the labor force: an analysis of selected labor market areas in the United States, Am. Econ. Rev, 5/68. Address: Dept. of Economics, Wichita State University, Wichita, Kans. 67208.
- PFEIFFER, DR. ERIC A. Psychiatry. See Suppl. V to 11th ed, Phys. & Biol. Vols.
- PFENDLER, PROF. DAVID (CLARENCE). Agricultural Economics. See L-Z Vol, 11th ed, Soc. & Behav. Vols. New position: Assoc. dean & assoc. dir. resident instr. & head gen. agr, 69-. School of Agriculture, Purdue University, Lafayette, Ind. 47907.
- PIFFNER, PROF. JOHN M(DONALD). Public Administration. See 11th ed, Soc. & Behav. Vols, deceased 68.
- PFISTER, PROF. ALLAN OREL. Philosophy. See 5th ed, Dir. Am. Scholars, Vol. IV, Philos, Relig. & Law.
- PHELPS, DR. DAVID SUTTON. Anthropology, Archaeology. See L-Z Vol, 11th ed, Soc. & Behav. Vols. New position & address: Assoc. prof, anthrop, 70-. Dept. of Sociology & Anthropology, East Carolina University, Greenview, N.C. 27834.
- PHELPS, DEAN JEWELL A. Geography. See L-Z Vol, 11th ed, Soc. & Behav. Vols. New information: Also dean undergrad. col, George Peabody Col, 69-. Address: 2305 Oxford Rd, Nashville, Tenn. 37215.
- PHELPS, DEAN O(RME) W(HELOCK). Industrial Relations. See L-Z Vol, 11th ed, Soc. & Behav. Vols. New information: Also dean faculty, 70-. Claremont Men's College, Claremont, Calif. 91711.
- PHENICE, DR. TERRELL W(AYNE). Physical Anthropology. See Suppl. VI to 11th ed, Phys. & Biol. Vols.
- PHIBBS, DR. PHILIP MONFORD. Political Science. See L-Z Vol, 11th ed, Soc. & Behav. Vols. New position: Prof. polit. sci. & exec. v-pres, 68-. Wellesley College, Wellesley, Mass. 02181.
- PHILLIPS, PROF. DENIS SINCLAIR. Management Science. See L-Z Vol, 11th ed, Soc. & Behav. Vols. New position: Assoc. dean, & dir, 69-. Division of Business & Management, School of Continuing Education & Extension Services, New York University, 1 Fifth Ave, New York, N.Y. 10003.
- PHILLIPS, DR. GURINDAL HOWARD, b. Farmville, N.C. June 1, 26; m. 46; c. 3. RURAL SOCIOLOGY. B.Sc. Ohio State, 51, M.Sc. Ohio, 51-52, Ph.D. (rural sociol), 66. Teacher, high sch, Ohio, 51-52; assoc. county agent 4-H club work, Ohio Coop. Exten. Serv, 52-53, county exten. agent agr, 53-57, community develop, 57-60, area exten. agent, 60-62, asst. state leader, 63-64, state leader, 64-66; asst. prof. RURAL SOCIOLOGY, OHIO STATE, 66-67, ASSOC. PROF, 67-. U.S.N., 43-46. Rural Sociol. Soc. Sociol. Assn. Community development research; social values; problems of the Appalachian region. Publ: Value commitments and their relationship to social action, Proc. Rural Sociol. Soc, 8/67; co-auth, Accidents to farm and rural nonfarm people in Ohio, 6/68 & Ohio Appalachia regional community study, 12/68, Ohio Agr. Res. & Develop. Center. Address: Dept. of Rural Sociology, Ohio State University, Columbus, Ohio 43210.
- PHILLIPS, DR. JAMES L(OUIS), b. Globe, Ariz, Oct. 12, 38; m. 57; c. 2. SOCIAL & MATHEMATICAL PSYCHOLOGY. B.A. Arizona, 60; M.A. Southern Illinois, 62, Nat. Sci. Found. fel. & Ph.D. (psychol), 64. Asst. prof. PSYCHOL, MICH. STATE, 65-68, ASSOC. PROF, 68-. Nat. Inst. Ment. Health fel. math. psychol, inst. studies in soc. sci, Stanford, 64-65; prog. mgr, Air Force Off. Sci. Res. grant, 69-. AAAS; Psychol. Assn. Human strategy utilization and decision processes in social organizations and other complex environments. Address: Dept. of Psychology, Michigan State University, East Lansing, Mich. 48823.
- PHILLIPS, DR. J(ONH) RICHARD. Mathematics, Computer Science. See Suppl. V to 11th ed, Phys. & Biol. Vols.
- PHILLIPS, DR. JOSEPH DONALD, b. Carrollton, Ga, Aug. 9, 34; m. 56; c. 2. BUSINESS ADMINISTRATION, ECONOMICS. B.S. Ga. Inst. Tech, 58, M.S., 59, Ph.D. (bus. admin), Alabama, 66. Asst. prof. bus. admin, The Citadel, 59-65; instr. stat, ALABAMA, 65-66, asst. prof. MGT, 66-69, ASSOC. PROF, 69-. Summer consult, Econ-in-Action, 69. U.S.A., 54-56. Acad. Mgt; Statist. Assn. Industrial management; decision theory. Publ: Co-auth, An

- inventory control model for Alabama wholesalers. *J. Ala. Acad. Sci.* 10/65, Inventory analysis; a source of savings for wholesalers. *Ala. Bus.* 11/65 & Bayesian statistics in retail inventory management. *J. Retailing*, summer 68. Address: Dept. of Management, University of Alabama School of Commerce, University, Ala. 35486.
- PHILLIPS, DR. RICHARD. Agricultural Economics. See L-Z Vol. 11th ed, Soc. & Behav. Vols. New position & address: V-pres. & gen. mgr. 69-9. Logistics Research, Inc., 700 Walloway Bldg, Kansas City, Mo. 64106.
- PHILLIPS, DR. ROBERT LEE. Speech. See 5th ed, Dir. Am. Scholars, Vol. II, Eng. Speech & Drama.
- PHILLIPS, PROF. YVONNE. Geography. Anthropology. See L-Z Vol. 11th ed, Soc. & Behav. Vols. New position & address: Prof. 69-9. Dept. of Earth Sciences, Western Carolina University, Cullowhee, N.C. 28723.
- PHILLIPS, DR. RICHARD CRAIG. Modern European & European Intellectual History. See 5th ed, Dir. Am. Scholars, Vol. I, Hist.
- PHILPOT, DR. GORDON. B. Cowes, Eng. Nov. 1, 27; U.S. citizen; m. 66; c. 1. ECONOMICS. B.A. California, Santa Barbara, 65; Knapp Iel, Wisconsin, 65-66, M.A., 68, Ford Iel, 68-69, Ph.D.(econ). 69. ASST. PROF. ECON. WHITMAN COL., 69- Brit. Army, 47-62. International trade: empirical testing of the Heckscher-Ohlin theory; economic history; causes of population growth in eighteenth century England. Publ: Lab. Quality, returns to scale and the elasticity of factor substitution. *Rev. Econ. & Statist.* 5/70. Address: Dept. of Economics, Whitman College, Walla Walla, Wash. 99362.
- PICKER, DEAN ROBERT D. b. New York, N.Y. Oct. 13, 26; m. 57; c. 3. GEOGRAPHY. HUMAN ECOLOGY. B.A. Columbia, 50, M.A., 52, Ph.D.(geog). Washington (Seattle), 62. Map ed. Gen. Drafting Co., 52; instr. geog. Col. Wooster, 54-56; acting instr. Washington (Seattle), 56-58; assoc. prof. Wis. State, Whitewater, 58-63; prof. San Francisco State Col., 63-69; PROF. GEOG. & DEAN INSTR. CALIF. STATE COL. SAN BERNARDINO, 69- U.S.A.F. 44-46. Assn. Am. Geog. Energetics in industrial societies; spatial ecology: military strategy. California State College at San Bernardino, San Bernardino, Calif. 92401.
- PICKERSGILL, DR. JOYCE E. b. Nov. 13, 42; U.S. citizen; m. 64. ECONOMICS. B.A. Smith Col., 63; M.A. & Nat. Sci. Found. Iel, Washington (Seattle), 65, Ford Found. Iel, 63. M.A. (econ). 66. ASST. PROF. ECON. CALIF. STATE COL. FULLERTON, 66- Econ. Assn; Assn. Comp. Econ. Assn. Study Soviet-Type Econ. Soviet monetary theory; measurement of demand for money in Soviet economy. Publ: Hyperinflation and monetary reform in the Soviet Union, 1921-1926. *J. Polit. Econ.* 9/10-68; The long-run demand function for money in the Soviet Union. *J. Money, Banking & Credit*, 2/70. Address: Dept. of Economics, California State College at Fullerton, 800 N. State College Blvd, Fullerton, Calif. 92630.
- PICKETT, DR. BETTY HORENSTEIN, b. Providence, R.I., Feb. 15, 26; m. 52. PSYCHOLOGY. A.B. Brown, 45, M.Sc., 47, Abbott Alumni & univ. fcls. & Ph.D., 49. Assnt. prof. psychol. Minnesota, Duluth, 49-51; lectr. Connecticut, 52-53; prnl. assoc. psychol. sci. bio-sci. info. exchange, Smithsonian, 53-56; exec. secy. behav. sci. study sect. Nat. Insts. Health, 58-59; exp. psychol study sect, 59-61; consult. ment. health, U.S. Pub. Health Serv. Regional Off, Boston, Mass., 62-63; exec. secy. res. career development, prog. div. manpower & training, NAT. INST. HEALTH, 63-66, chief sec. exp. psychol. behav. sci. res. 66-69. DEPUTY DIR. DIV. EXTRAMURAL RES. PROGS, 69- Psychol. Assn; Psychometric Soc. General experimental psychology. Publ: Co-auth. Reminiscence in motor learning as a function of length of interpolated res. *J. Exp. Psychol.* 48; auth. Performance of conditioned responses as a function of strength of hunger drive. *J. Comp. & Physiol. Psychol.* 51; co-auth. Communication of speech sounds by a tactual vocoder. *J. Speech & Hearing Res.* 63. Address: 2561 Waterside Dr. N.W., Washington, D.C. 20008.
- PICKLE, PROF. HAL B. b. Ennis, Tex., Jan. 16, 29; m. 53; c. 4. MANAGEMENT. B.B.A. North Texas State, 59, M.B.A., 60; Ph.D.(mgmt), Arkansas, 64. Employee, South-Pac. R.R., 53-60; asst. prof. Southwest Texas State, 62-64, assoc. prof., 64-69; PROF. MGT, AUBURN, 69- C.Eng., U.S.A., 51-52. Acad. Mgt. Organizational analysis; small business management. Publ: Personality and success: an evaluation of personal characteristics of successful small business managers. *Small Bus. Admin.* 64; co-auth. Seven societal criteria of organizational success. *Personnel Psychol.* 67 & Components of effectiveness in small organizations. *Admin. Sci. Quart.* 68. Address: Dept. of Management, Auburn University, Auburn, Ala. 36830.
- PIEDRA, DR. ALBERTO MARTINEZ. Economic Development. See L-Z Vol. 11th ed, Soc. & Behav. Vols. New position: Assoc. prof. & chmn., 67-9. Dept. of Economics, Catholic University of America, Washington, D.C. 20017.
- PIERCE, DR. JACK ROBERT. Zoology. See Suppl. V to 11th ed, Phys. & Biol. Vols.
- PIERCE, DR. JOHN C. b. Tacoma, Wash., Sept. 16, 43; m. 66. POLITICAL SCIENCE. B.A. Puget Sound, 65; M.A. Minnesota, 67, Ph.D.(polit. sci.), 69. Instr. POLIT. SCI. TULANE, 69; ASST. PROF. 69- Polit. Sci. Assn. Public opinion; political ideology. Publ: Co-ed. Readings on the American political system. Heath, 70; co-auth. Personality changes among delinquents. *J. Soc. Psychol.* 66; auth. Party identification and ideology. *Midwest J. Polit. Sci.* 70. Address: Dept. of Political Science, Tulane University, New Orleans, La. 70118.
- PIERCE, DR. JOHN F. JR. Management Science. See L-Z Vol. 11th ed, Soc. & Behav. Vols. New position & address: V-pres. 69-9. Management Decision Systems, 680 Northland Rd, Cincinnati, Ohio 45240.
- PIERCE, DR. JOHN R. Physiological Optics, Neuropsychology. See Suppl. V to 11th ed, Phys. & Biol. Vols.
- PIERCE, DR. MERLE SCHEFFEL. Speech. See 5th ed, Dir. Am. Scholars, Vol. II, Eng. Speech & Drama.
- PIERCE, DR. ROBERT A. b. Hinsdale, Mass., Oct. 13, 37; m. 55; c. 3. CLINICAL PSYCHOLOGY. B.S. Springfield Col., 59; Chicago, 59-61; Ph.D.(clin. psychol.), Rochester, 65. Instr. psychiat., SCH. MED. & DENT, ROCHESTER, 65-67; ASST. PROF. PSYCHIAT. & PSYCHOL., 67- Nat. Inst. Ment. Health grant, 67-68. Col. Health Assn. Effect of needs on friendship choice; effect of group membership on mental health; community approaches to mental health on the college campus. Publ: Roommate choice and academic achievement, 4/68. Athletes in psychopathy: how many, how come? 2/69 & Modification of group therapy for use on the college campus, 2/70. *J. Am. Col. Health Assn.* Address: Dept. of Psychiatry & Psychology, University of Rochester School of Medicine & Dentistry, Rochester, N.Y. 14620.
- PIERRE, DR. ANDREW J. Political Science, International Affairs. See L-Z Vol. 11th ed, Soc. & Behav. Vols. New position & address: Res. Iel, 69-9. Council on Foreign Relations, 58 E. 68th St, New York, N.Y. 10021.
- PIERSON, PROF. DONALD. Sociology, Social Anthropology. See L-Z Vol. 11th ed, Soc. & Behav. Vols. Change of address: 1917 Arden Rd, Bloomington, Ind. 47401.
- PIETROFESA, DR. JOHN JOSEPH. b. New York, N.Y., Sept. 12, 40; m. 63; c. 2. GUIDANCE, COUNSELING. B.Ed. Miami (Fla.), 61, M.Ed., 63, Ed.D. (guid. counseling), 67. Instr. guid. & counseling, American Univ., 64. Teacher, high sch., Fla., 65-66, counsr., 66-67; ASST. PROF. GUID. & COUNSELING, WAYNE STATE, 67- Co-dir. Ed. Professions Develop. Act. Inst. Pupil Personnel Serv., Wayne State, 69-70. U.S.A. 63-65, 1st Lt. Personnel & Guid. Assn; Psychol. Assn. Career and personality theory; counseling theory and research; sexual development. Publ: Co-auth. Guidance and counseling in the twentieth century. Houghton, 70. The counselor as a professional, Peacock, 71 & The authentic counselor, Rand McNally, 71. Address: 1569 Emmons, Birmingham, Mich. 48008.
- PILBEAM, DR. DAVID ROGER, b. Brighton, Eng. Nov. 21, 40. PHYSICAL ANTHROPOLOGY. PRIMATOLOGY. B.A. Cambridge, 62; Ph.D.(biol. geol. & anthropol.), Yale, 67. Demonstr. phys. anthrop., Cambridge, 65-68; ASST. PROF. ANTHROP., YALE, 68- Wenner-Gren Found. Iel, 68. Anthrop. Assn; Assn. Phys. Anthropol. Brit. Soc. Study Human Biol. Human and primate evolution; evolution of primate dentitions and masticatory apparatus; statistical applications in anthropology; relationships of structure, function, behavior, and ecology. Publ: Evolution of man, Thames & Hudson, 70. Address: Dept. of Anthropology, Yale University, New Haven, Conn. 06520.
- PILCHER, DR. WILLIAM W. b. Everett, Wash. Mar. 29, 30; m. 52; c. 2. ANTHROPOLOGY, LINGUISTICS. B.A. Portland State Col., 63; Ph.D.(anthropol.), Illinois, 70. Res. asst. human anthrop., Illinois, 66-68; ASST. PROF. ANTHROP. & LING. Western Michigan, 68-69; CALIF. STATE COL. LONG BEACH, 69- U.S.M.C.R., 47-57, Sgt. Anthrop. Assn; Ethnol. Soc. Papago ethnotaxonomy; Northwestern longshore subculture; urban structures, especially unions. Publ: Some comments on the folk taxonomy of the Papago. *Am. Anthropologist*, 5/67. Address: California State College at Long Beach, Long Beach, Calif. 90804.
- PILISUK, PROF. MARC. Social & Clinical Psychology. See L-Z Vol. 11th ed, Soc. & Behav. Vols. New position: Prof. residence, 69-9. School of Social Welfare, University of California, Berkeley, Calif. 94720.
- PILNICK, DR. SAUL, b. New York, N.Y., Aug. 14, 31; div. c. 2. PSYCHOLOGY, SOCIAL WORK. B.A. Brooklyn Col., 53; M.S. Columbia, 55; Ph.D. (human rels. soc. psychol.), N.Y. Univ., 65. Prog. dir. soc. work, Fountain House Found., 56-60; exec. dir. juvenile delinquency, Essexfields Rehab. Center, 60-65; PRES. BEHAV. SCI. RESOURCES INC., 65- Proj. dir. Collegefields Group Ed. Center, 65-67. Prof. Newark State Col., 62-65; instr., N.Y. Univ., 65-66. Consult., Essex County Guid. Center & Welfare Bd., 62-65; Kilmer Job Corps Center, 63-66. Group Psychother. Assn; Social. Assn; Psychol. Assn; Nat. Assn. Soc. Workers; Nat. Coun. Crime & Delinquency. Publ: Co-auth. The peer group in adolescence. *N.Y. State Div. Youth*, 68 & From delinquency to freedom. *Spec. Child Pub.* Seattle, Wash., 70; The Essexfields concept: a new approach to the social treatment of juvenile delinquents. *J. Appl. Behav. Sci.*, 66. Address: Summit Hill, Apt. E6, Springfield, N.J. 07081.
- PIMM, DR. JUNE BARBARA, b. Ottawa, Ont., June 8, 27; m. 48; c. 3. PSYCHOLOGY. B.A. McGill, 48, M.Sc., 52; Ph.D.(child exp. psychol.), Carleton, 58. Lectr. psychol. Can. Inst. Child, 55-62 & 68-69, nursery ed. 65-68; V.PRES. PIMM CONSULTS, 69- Consult. Dept. Vet. Affairs, Children's Aid, Stevenson & Kellogg & Ont. Ment. Health Clin., 52-60; psychologist, Ottawa Rehab. Inst., 60-62; sch. psychologist, Ottawa Pub. Sch. Bd., 61-66. Nat. Assn. Sch. Psychol. Coun. Except. Children; Can. Psychol. Assn. Address: Pimm Consultants, 85 Sparks St, Suite 211, Ottawa, Ont., Can.
- PINCOFFS, PROF. EDMUND L(LOYD). Philosophy. See 5th ed, Dir. Am. Scholars, Vol. IV, Philos. Relig. & Law.
- PINCUS, DR. JOHN ALEXIS. Economics. See L-Z Vol. 11th ed, Soc. & Behav. Vols. New position: Dir. Calif. Prod. Rand Corp., 69- Address: 518 Georgina Ave, Santa Monica, Calif. 90402.
- PINDELL, HOWARD D(OGULAS). Court Administration. See L-Z Vol. 11th ed, Soc. & Behav. Vols. New position & address: Chief of supv., 70- Common Pleas Court of Philadelphia, Room 111, City Hall, Philadelphia, Pa. 19107.
- PINDERHUGHES, DR. CHARLES A. b. Baltimore, Md., Jan. 28, 19; m. 44; c. 5. PSYCHIATRY. A.B. Dartmouth Col., 40; M.D., Howard, 43; Boston Psychol. Inst., 49-58. Intern. Freedmen's Hosp., 43-44; resident physician, Cushing Clin. Hosp., Framingham, Mass., 47-49, staff psychiatrist, 49-54; dir. prfn. ed. & res. Bedford Vet. Admin. Hosp., 54-56; from chief closed

- wards to DIR. PSYCHIAT. RES. BOSTON VET. ADMIN. HOSP. 56-, staff psychiatrist, 49-54. Assoc. clin. prof. psychiat. sch. med. Tufts, 64-, asst. dean, 69-70; lectr. sch. med. Harvard, 64- Consult. Worcester State Hosp, 53-56; Mass. Ment. Health Center, 58- Mem. Surgeon Gen. Sci. Adv. Cmt. Relationship of TV & Soc. Behav. 69-70. Med.C. U.S.A. 44-46, Capt. Development and study of hypotheses relating somatic, psychological and social behavior: clinical psychiatry; psychosomatic medicine; psychodynamics of racial and other social conflict. Publ: The psychodynamics of dissent. In: The dynamics of dissent, Grune, 68; Psychiatric aspects of idiopathic cardiomyopathy, Psychosom. Med. 1-2/69; Understanding black power; processes and proposals, Am. J. Psychiat. 5/69. Address: 82 Marlborough St, Boston, Mass. 02116.
- PINE, DR. FRED. Psychology. See L-Z Vol. 11th ed, Soc. & Behav. Vols. New position & address: Assoc. prof., 68-, Dept. of Psychiatry, Albert Einstein College of Medicine, 1300 Morris Park Ave, Bronx, N.Y. 10461.
- PINE, DR. IRVING. Psychiatry. See L-Z Vol. 11th ed, Soc. & Behav. Vols. New position: Clin. prof. psychiat. col. med. Ohio State, 69- Address: 3545 Olentangy River Rd, Columbus, Ohio 43214.
- PINEO, PROF. PETER CAMDEN. Sociology. See L-Z Vol. 11th ed, Soc. & Behav. Vols. New position & address: Prof., 66-, Dept. of Sociology, McMaster University, Hamilton, Ont, Can.
- PINKERTON, DR. JAMES R(ONALD). Sociology. See L-Z Vol. 11th ed, Soc. & Behav. Vols. New position: Assoc. prof. rural sociol. & faculty res. assoc. bus. & pub. admin. res. center, Missouri-Columbia, 69- Address: Dept. of Rural Sociology, University of Missouri, Columbia, Mo. 65201.
- PINSKER, DR. HENRY, b. Savannah, Ga. Dec. 9, 28; m. 61; c. 2. PSYCHIATRY. B.S. Col. William & Mary, 50; M.D. Duke, 54. Staff psychiatrist, Vet. Admin. Hosp. New York, N.Y. 60-62; assoc. New York Med. Col. 62; asst. prof. psychiat. 64; assoc. prof. 66-68; ASSOC. CLIN. PROF. PSYCHIAT. MT. SINAI SCH. MED. 68- Clin. psychiatrist, Metropolitan Hosp. New York, N.Y. 62-68; in-patient serv. Beth Israel Hosp. 68- Teaching asst. sch. med. N.Y. Univ. 60-67, clin. instr. 67-69, U.S.A. 55-57, Capt. Fel. Psychiat. Asn; Orthopsychiat. Asn; Asn. Adv. Psychother. Psychiatric treatment; hospital and psychotherapy; nosology; psychopathology. Address: 50 E. Tenth St, New York, N.Y. 10003.
- PINTO, DR. ALCIDES. Clinical Psychiatry. See L-Z Vol. 11th ed, Soc. & Behav. Vols. Change of address: 113 Legion Ave, Annapolis, Md. 21401.
- PIPER, DR. DON COURTNEY. Political Science. See L-Z Vol. 11th ed, Soc. & Behav. Vols. New position: Also head, 68-, Dept. of Government & Politics, University of Maryland, College Park, Md. 20742.
- PITBLADO, DR. COLIN B. b. Hartford, Conn. Nov. 18, 39; m. 63; c. 1. EXPERIMENTAL PSYCHOLOGY. B.A. Connecticut, 61; A.M. Boston, 63, Ph.D. (exp. psych. mem. 66. Res. asst. systs. Sperry Rand Res. Center, Mass. 64-66, res. staff mem. 66-67; ASST. PROF. PSYCHOL. COL. OPTOM, PACIFIC UNIV. 67- Inst. Neuro. Diseases & Stroke grad. Sch. L2-2. Research on distance and size; stereoscopic vision; perceptual development, adaptation to displaced images and optical distortion of form; human spatial orientation; visual illusions. Address: College of Optometry, Pacific University, Forest Grove, Ore. 97116.
- PITT, DR. DAVID CHARLES. Social Anthropology. Sociology. See L-Z Vol. 11th ed, Soc. & Behav. Vols. New pub. Tradition and economic progress in Samoa, Oxford. Address: Dept. of Anthropology & Sociology, University of Victoria, Victoria, B.C., Can.
- PITTARD, DR. BARBARA B. b. Atlanta, Ga. Dec. 25, 19; div. c. 2. SOCIOLOGY, RELIGION. A.B. Oglethorpe, 52; M.A. Emory, 55, Ph.D. (sociol. relig.), 63; Georgia, 68-69. Asst. prof. SOCIOL. GEORGIA STATE, 63-67, ASSOC. PROF. 67- Consult. Ga. Cmt. Nat. Coun. Crime & Delinquency, 64-67; Pres. Cmn. Law Enforcement & Admin. Justice, 66-67; Nat. Defense Ed. Act Inst. Teachers Disadvantaged Youth, 68; Undergrad. Curriculum Social Work, Abraham Baldwin Col. 68-69. With Ed. Media Inst. Univ. Ga. 68-69. Sociol. Asn, Soc. Sci. Study Relig. Relig. Res. Asn; Soc. Study Soc. Probs; Rural Sociol. Soc. Sociology of religion; methods and urban sociology; empirical research on the metro misdeamnant. Publ: Meaning and measurement of commitment to the church, Ga. State Col. 66; co-auth. Protestant parish, Communicative Arts Press, 67 & Divorce in the middle years, Sociol. Symposium, 70. Address: Dept. of Sociology, Georgia State University, Atlanta, Ga. 30303.
- PITTERMAN, PROF. MARVIN. Finance. See L-Z Vol. 11th ed, Soc. & Behav. Vols. New position: Also chmn. Dept. Finance & Insurance, Rhode Island. Address: 151 Bretton Woods Dr, Cranston, R.I. 02920.
- PITTS, DR. GAYLORD E. Political Science, Education. See L-Z Vol. 11th ed, Soc. & Behav. Vols. New position: Area manpower analyst, 68- California Dept. of Human Resources Development, 1525 S. Broadway, Los Angeles, Calif. 90015.
- PITTS, DR. RUTH ANN, b. Denver, Colo. Feb. 9, 37. SOCIOLOGY. A.B. Brown, 59; M.A. California, Berkeley, 63; Ph.D. (sociol.), Washington (St. Louis), 68. ASST. PROF. SOCIOL. State Univ. N.Y. Stony Brook, 67-69; MONTREAL, 69- Consult. Metrop. Youth Cmn. St. Louis, 66-67. Sociol. Asn. Political sociology with emphasis on France and Latin America. Publ: DeGaulle and the legitimacy of power, Sociologie et Sociétés, 5/70. Address: Dept. of Sociology, University of Montreal, C.P. 6128, Montreal, Que, Can.
- PIVEN, DR. FRANCES FOX, b. Oct. 10, 32; U.S. citizen; div. c. 1. POLITICAL SCIENCE, URBAN PLANNING. B.A. Chicago, 63, M.A. 56, Ph.D. (sociol. sci), 62; fel. Columbia, 58-60. Res. asst. area studies, Univ. Chicago, 54-56; city planner, Voorhees, Walker, Smith & Smith, 56-58; study dir. polit. anal. Mobilization for Youth, 62-66; asst. prof. POLIT. SCI. & SOC. WEL-
- FARE, SCH. SOC. WORK, COLUMBIA, 66-69, ASSOC. PROF., 69- Lectr. urban planning prg. grad. sch. Columbia, 66-67; Ford Found. travel study award, 68-69. Consult. Off. Econ. Opportunity, 66-68; Ford Found. 67-68; Nat. Welfare Rights Orgn. 69- Mem. policy cmt. Planners for Equal Opportunity, 68-70. Polit. Sci. Asn; Inst. Planners. Urban politics and planning; politics of social welfare. Publ: From crisis to crisis: the role of relief giving in moderating political disorder, Pantheon, 71; Welfare for whom, In: Reader in urban government, Free Press, 69; Federal intervention in the cities, In: Handbook on social problems, Rand McNally, 70. Address: Dept. of Political Science, Columbia University School of Social Work, 2 E. 91st St, New York, N.Y. 10028.
- PLAGER, PROF. SHELDON J. Law. See 5th ed, Dir. Am. Scholars, Vol. IV, Philos, Relig. & Law.
- PLANINSIC, DR. JOSEPH, b. Slovenia, Yugoslavia, Feb. 19, 15; U.S. citizen; m. 55; c. 2. POLITICAL SCIENCE, LAW. J.U.D. Ljubljana, Yugoslavia, 42; Ph.D. (polit. sci.) Rome, 47; M.A. Chicago, 61, 69. Prof. polit. sci. Trieste, 47-55; asst. prof. GRAD. SCH. AFRICAN AFFAIRS, DUKES, 61-66. ASSOC. PROF. SOC. STUDIES, 66- Lectr. Calif. State Col. (Pa.), 66- U.S. Govt. grant, Africa, summer 65. African Studies Asn; Polit. Sci. Asn. Politics of developing nations; world politics. Publ: West bows to East—Yalta twenty years after, Duke, 65; The golden age of frescoes—Slavic medieval masterpieces, 67 & Nationalism among emerging nations, 70, In: Contribution to scholarship, Calif. State Col. Address: 733 Sherwood Ave, Pittsburgh, Pa. 15204.
- PLANTZ, PROF. DON V. b. El Dorado, Kans. Apr. 11, 19; m. 41; c. 3. ECONOMICS. B.S. Kansas, 48, M.B.A. 50; fel. Indiana, 50-52, Ford Found. fel. 56-57, Ph.D. (econ.) 57, Instr. ECON. Kans., 60-61, asst. prof. 54-60; assoc. prof. ARIZONA STATE, 60-67, PROF. 67- Mem. adv. cmm. Cmmr. Health, Ed. & Welfare, 66-68. U.S.A. 40-42, 7/57. Econ. Asn. History of economic thought; prices and living conditions; microeconomic theory and application to management. Publ: Co-auth. The Kansas state unemployment compensation act, Kans. State, 60; auth. Cournot's recherches: some insight on its influence upon the development of economic thought, West. Econ. J. 64; This business of forecasting economic trends, Ariz. Bus. Bull. 69. Address: Dept. of Economics, Arizona State University, Tempe, Ariz. 85281.
- PLATH, DEAN WUEDE, b. Beatrice, Nebr. Nov. 15, 27; m. 51; c. 3. EXPERIMENTAL PSYCHOLOGY. B.A. Carleton Col., 48, A. Mich. State, 49. Scientist, elec. boat div. Gen. Dynamics Corp. 59-62; as. res. engr. AUTONETICS DIV. N.A.M. ROCKWELL CORP. 62-66, group supervisor, 66-69, SUPVR. 69- U.S.N. 45-47, Res. 52-62, Lt. Psychol. Asn; Human Factors Soc. Engineering psychology; the integration and display of information for control of complex vehicles. Publ: Co-auth. Submarine control with the combined instrument panel and a contact and roadway display, J. Eng. Psychol. 4/62; The thumbwheel switch as a data entry device, 10/67 & auth. The readability of segmented and conventional numerals, (in press), Human Factors J. Address: 18102 Lucero Way, Tustin, Calif. 92680.
- PLATT, DR. HENRY. Clinical Psychology. See L-Z Vol. 11th ed, Soc. & Behav. Vols. New information: Dir. psychol. serv. Chandler-Drake Inc. 69- Address: 5 Eisenhower Dr, Malvern, Pa. 19355.
- PLATT, WILLIAM J(JAMES). Industrial Economics. See L-Z Vol. 11th ed, Soc. & Behav. Vols. New position & address: Dir. ed. planning & financing, 70-, UNESCO, Place de Fontenay, Paris 7E, France.
- PLATZ, DR. ARTHUR (ROBERT), b. Erie, Pa. Nov. 11, 27. EXPERIMENTAL PSYCHOLOGY. B.A. Wayne State, 50; Ph.D. (psychol.), Michigan, 62. Res. psychologist, Vet. Admin. Cent. Neuropsychiat. Res. Lab. 63-66; ASST. PROF. PSYCHIAT. & DR. BEHAV. RES. ALCOHOLISM CLIN. COL. MED. STATE UNIV. N.Y. DOWNSTATE MED. CENTER, 67-68, 69. U.S.A. 67-68; AAAS; Prof. Asn. Drug effects on learning and behavior; neuropsychological correlates of learning; personality and experimental determinants of verbal behavior. Publ: Time and dosage effects of meprobamate on visual detection, Psychopharmacology, 64; co-auth. Effects of anxiety on the intelligibility of verbal communication in psychotherapy, Personality & Soc. Psychol. 65 & Evoked potentials: modifications by classical conditioning, Science, 69. Address: Dept. of Psychiatry, College of Medicine, State University of New York Downstate Medical Center, 450 Clarkson Ave, Brooklyn, N.Y. 11203.
- PLAUT, DR. THOMAS F(RANZ) A(LFRED). Clinical Psychology. See L-Z Vol. 11th ed, Soc. & Behav. Vols. New position: Dir. div. manpower & training prof. Nat. Inst. Ment. Health, 70- Address: 5502 Western Ave, Chevy Chase, Md. 20015.
- PLEDGER, PROF. W. FERRELL. Sociology. See L-Z Vol. 11th ed, Soc. & Behav. Vols. New information: Also head, dept. Dir. Fin. Div. Division & Summer Session, Centenary College, Shreveport, La. 71104.
- PLESHER, DR. MICHAEL A. Economics. See 11th ed, Soc. & Behav. Vols. deceased 68.
- PLISKOFF, PROF. STANLEY STEWART, b. New York, N.Y. Jan. 24, 30; m. 57. PSYCHOLOGY. A.B. N.Y. Univ. 51, M.A. 53, Ph.D. 56. Instr. psychol. Maryland, 57-58; exp. psychologist, U.S. Army Chem. Corps, 58-61; asst. prof. & res. assoc. PSYCHOL. Maryland, 61-64, assoc. prof. 64-65; Arizona State, 65-67; asst. dir. Inst. Behav. Res. 67-69; PROF. MAINE, 69- U.S.A. 55-57. AAAS; Psychol. Asn. Learning and motivation. Publ: Co-auth. Some distinctive properties of fixed ratio performance in the pigeon, 9:1-9. A method for increasing the reward magnitude of intracranial stimulation, 10: 281-289 & The relation between response rates and reinforcement rates in a multiple schedule, 11: 271-284, J. Exp. Anal. Behav. Address: Dept. of Psychology, University of Maine, Orono, Maine 04473.
- PLOG, DR. FRED T. b. Ft. Monmouth, N.J. July 19, 44; m. 66; c. 3. ANTHROPOLOGY. B.A. Northwestern, 66; M.A. Chicago, 68, Ph.D. (anthrop.), 69. ASST. PROF. ANTHROP. CALIFORNIA, LOS ANGELES, 69- Anthrop. Asn; Soc. Am. Archaeol. Southwestern United States prehistory; method

- and theory of anthropology; rural development. Publ: Co-auth, Beyond the frontier: social process and cultural change, *Natural Hist.* 67. Address: Dept. of Anthropology, University of California, 405 Hilgard Ave, Los Angeles, Calif. 90024.
- PLOSOWE, MORRIS. Criminal & Family Law, Criminology. See 5th ed, Dir. Am. Scholars, Vol. IV, Philos, Relig., & Law.
- PLOSS, DR. SIDNEY I. b. Brooklyn, N.Y. Aug. 19, 32; m. 66. POLITICS, B.A., Syracuse, 53; Ph.D. (Russian regional studies), London, 57. Res. specialist, U.S. Dept. State, 60-62; res. assoc., center int. studies, Princeton, 62-64; asst. prof. polit. sci., Pennsylvania, 64-66; ASSOC. RES. PROF. INT. AFFAIRS, GEORGE WASHINGTON, 66- Lectr, Howard, 67. U.S.A. 2nd Lt. Contemporary Soviet politics; history. Publ: Conflict and decision-making in Soviet Russia, Princeton, 65; Soviet political process: readings, Blaisdell, 70; Interest groups, In: Prospects for soviet society, Praeger, 68. Address: 6116 Massachusetts Ave. N.W., Washington, D.C. 20016.
- PLOTNICK, PROF. ALAN R (ALPH). International Trade. See L-Z Vol, 11th ed, Soc. & Behav. Vols. New position & address: Prof. 69-, Dept. of Economics, New Haven College, West Haven, Conn. 06516.
- PLOTNICOV, DR. LEONARD. Anthropology. See L-Z Vol, 11th ed, Soc. & Behav. Vols. New information: Also chmn. 69-, Dept. of Anthropology, University of Pittsburgh, 234 Atwood St, Pittsburgh, Pa. 15213.
- PLOTNIK, PROF. MORTIN J (JOSEPH). Economics. See L-Z Vol, 11th ed, Soc. & Behav. Vols. New information: Retired, 69. Address: 14 Two Ponds Rd, Greengate, Falmouth, Mass. 02541.
- PLOTNIK, DR. ROD, b. Browerville, Minn. Apr. 15, 39; m. 65. PHYSIOLOGICAL PSYCHOL. B.S. St. John's, 61; M.S. Miami (Fla.), 63; Nat. Insts. Health, 65-66; Ph.D. 66; Nat. Insts. Health, 66-68; ASST. PROF. PSYCHOL. DEPT. PSYCHIAT. SCH. MED. YALE, 68- AAAS; Psychol. Assn. Studying the social structure of different monkey groups; exploring the neurophysiological basis of aggression in monkeys using brain stimulation and lesion techniques. Address: Dept. of Psychiatry, Yale University School of Medicine, New Haven, Conn. 06511.
- PLUMMER, DR. NOEL A (RTHUR). Clinical Psychology. See L-Z Vol, 11th ed, Soc. & Behav. Vols. New position: Acting dir. psychol. serv., 69-, Woodville State Hospital, Carnegie, Pa. 15106.
- PLUTCHIK, DR. ROBERT. Experimental Psychology. See L-Z Vol, 11th ed, Soc. & Behav. Vols. New position: Dir. eval. res. prog, Bronx State Hosp. 68-, assoc. prof. psychiat, Albert Einstein Col. Med. Address: Bronx State Hospital, 1500 Waterside Place, Bronx, N.Y. 10461.
- PLYM, DR. DONALD LESTER, b. Evanston, Ill. Sept. 2, 27; m. 62; c. 2. COUNSELING PSYCHOLOGY, PHILOSOPHY. B.S. Northwestern, 50, M.A., 51; Ph.D. (counseling), Arizona, 66. Teacher & counsr. jr. high sch., Iowa, 51-52; res. asst. ed. psychol. & social, Univ. Iowa, 52-53; asst. traffic mgr., Ill. Bell Tel. Co., 53-56, personnel supvr. 56-58; asst. traffic supv., Pacific Tel. Co., 58-61, commercial mgr. 61-63; intern counseling psychol., Arizona, 65-66; asst. prof. COUNSR. ED. GANNON COL., 66-70; ASSOC. PROF. 70- Lectr, indust. pub. private & orgn. groups, 66-, counsr. private practice, 66-, head counsr. Upward Bound Prog., 67-68, dir. insight training, 69- Consult. psychologist, 67-; interpersonal commun. consult. Am. Sterilizer Co., 68- U.S.A. 45-47. Personnel & Guid. Assn.; Psychol. Assn. The development of macro counseling and macro philosophy. Publ: Education 2050: hope for the future, Gannon, 68; Macro counseling: increasing human awareness, Parker, (in press); Macro counseling and macro philosophy, Assn. Res. & Enlightenment J, spring 68. Address: 408 W. Sixth St, Erie, Pa. 16507.
- POCK, PROF. JOHN C. Sociology, Social Psychology. See L-Z Vol, 11th ed, Soc. & Behav. Vols. New information: Vis. prof. sociol. 69-, Dept. of Social Relations, Johns Hopkins University, Baltimore, Md. 21218.
- POCKRASS, DR. ROBERT MATTHEW, b. Albany, N.Y. Mar. 8, 37. POLITICAL SCIENCE, B.S. Connecticut, 58; M.A. Columbia, 62; D.S.S. Syracuse, 68. ASST. PROF. POLIT. SCI., STATE UNIV. N.Y. COL. BUFFALO, 66- Polit. Sci. Assn.; Nat. Assn.; Acad. Polit. & Soc. Sci. State and local government; change initiation in a bureaucratic system; school integration. Address: 490 Richmond Ave, Buffalo, N.Y. 14222.
- PODDAR, DR. BHAGWATI P (RASAD) K. Political Science, Sociology. See L-Z Vol, 11th ed, Soc. & Behav. Vols. New position & address: Asst. prof. 69-, Dept. of Sociology, Youngstown State University, Youngstown, Ohio 44503.
- PODELL, PROF. LAWRENCE. Sociology. See L-Z Vol, 11th ed, Soc. & Behav. Vols. New position: Prof. 69-, Office of Urban Studies, City University of New York, 33 W. 42nd St, New York, N.Y. 10036.
- PODOSKI, JOSEPH J (UNOSZA). Economics. See L-Z Vol, 11th ed, Soc. & Behav. Vols. New information: Retired, 69. New publ: Guidance and control, Aerospace Tech. Div, Library Cong., 68. Address: 3732 Windom Place N.W., Washington, D.C. 20016.
- POE, PROF. ROBERT LEROY. Mathematics. See Suppl. VI to 11th ed, Phys. & Biol. Vols.
- POE, PROF. W (EYLAND) DOUGLAS. Economics. See L-Z Vol, 11th ed, Soc. & Behav. Vols. New information: Also acting head, 69-, Dept. of Economics, Illinois State University, Normal, Ill. 61761.
- POEN, DR. MONTE (MAC). Recent United States History. See 5th ed, Dir. Am. Scholars, Vol. I, Hist.
- POGGE, DR. JOHN JOSEPH, JR. b. Hartford, Conn. Oct. 9, 37; m. 64; c. 2. ANTHROPOLOGY, B.A. Connecticut, 59; M.A., La. State, 61; Nat. Inst. Gen. Med. Sci. fel. & Ph.D. (anthrop), Minnesota, 68. Res. assoc. ANTHROP, Minnesota, summer 68; ASST. PROF., New Brunswick, 68-69; RHODE ISLAND, 69- Consult. Inst. Int. Ed. Seminar Econ. Develop. & Social Change, Univ. Minnesota, 65. Fel. Anthropol. Assn.; Soc. Appl. Anthropol. Anthropology of modernization; psychological anthropology, kinship and family; Latin America, especially Middle America; peasants. Publ: Co-auth, Matrilineal asymmetry in the American kinship system, *Anthrop. Quart.* 1/69 & Contact, change industrialization in a network of Mexican villages, *Human Org.* fall 69. Address: Dept. of Sociology & Anthropology, University of Rhode Island, Kingston, R.I. 02881.
- POGUE, DR. RICHARD EWERT. Biometry, Biomedical Computing. See Suppl. V to 11th ed, Phys. & Biol. Vols.
- POHLMAN, PROF. EDWARD W (ENDELL), b. Chuchokee Malyan, Pakistan, Jan. 30, 1915; U.S. citizen, m. 56; c. 2. PSYCHOLOGY, B.A. La Sierra Col., 53; M.A., Andrews, 56; M.A. Ohio State, 57, Ph.D. (psychol), 60. Asst. prof. PSYCHOL. UNIV. OF THE PACIFIC, 61-64, asst. prof. 64-69, PROF. 69- Vis. prof. Cent. Family Planning Inst., New Delhi, India & res. assoc., Carolina Pop. Center, North Carolina, Chapel Hill, 67-69. Summer consult, Nat. Inst. Child Health & Human Develop., Wash., 67; WHO, Geneva, 69. Psychol. Assn. Pop. Assn. Am. Psychological aspects of family planning and population, including family size desires, contraception, sterilization, abortion, and roles of women as related to motherhood. Publ: The psychology of birth planning, Schenkman, 69; Incentives and compensations in population control, Carolina Pop. Center, (in press); co-auth, Children, teachers and parents view birth planning, Cent. Family Planning Inst., (in press). Address: Dept. of Psychology, School of Education, University of the Pacific, Stockton, Calif. 95204.
- POKEMPNER, STANLEY J (ESSE). Economics, Statistics. See L-Z Vol, 11th ed, Soc. & Behav. Vols. New position: Dir. mgt. sci. progrs, Nat. Indust. Conf. Bd, 69- Address: 249 Shady Brook Lane, Princeton, N.J. 08540.
- POKORNY, DR. JOEL. Experimental Psychology, Physiological Optics. See 12th ed, Phys. & Biol. Vols.
- POLLACK, DR. GERALD A (LEXANDER). Economics. See L-Z Vol, 11th ed, Soc. & Behav. Vols. New position: Vpres. & gen. mgr., Bendix Corp., 69- Address: 400 Yarmouth Rd, Birmingham, Mich. 48009.
- POLLACK, DR. IRWIN W. b. Philadelphia, Pa. Aug. 14, 27; m. 57; c. 2. PSYCHIATRY, EXPERIMENTAL PSYCHOLOGY, B.A. Temple, 50; M.A. Columbia, 51; Pennsylvania, 51-54; M.D. Vermont, 56. Nat. Inst. Ment. Health training grant psychiatrist, 57-60; instr. psychiatrist, sch. med. Hopkins, 61-64, asst. prof. 64-68, assoc. prof. 68-69, instr. med. 61-69, dept. chief, Sinai Hosp. Baltimore, 64-69; ASSOC. PROF. PSYCHIAT. & DIR. MENT. HEALTH CENTER, MED. SCH. RUTGERS, 69- U.S.N.R. 45-46. Psychiat. Assn.; Psychosom. Soc. Human spatial and temporal orientation; psychosomatic medicine; small group phenomena. Publ: Studies of the special patient, 10/63 & co-auth, Social class and the subjective sense of time, 7/69 Archives of Gen. Psychiat.; Auth, The effect of deprivation of sight on subjective time sense, *Psychosom. Med.* 1/65. Address: Community Mental Health Center, Rutgers University Psychiatric Institute, New Brunswick, N.J. 08903.
- POLLACK, PROF. MAX. Psychology. See L-Z Vol, 11th ed, Soc. & Behav. Vols. New position: Prof. psychol. Queen's Col. (N.Y.), 69- Address: Dept. of Experimental Psychiatry, Hillside Hospital, Glen Oaks, N.Y. 11004.
- POLLACK, DR. ROBERT HARVEY. Psychology. See L-Z Vol, 11th ed, Soc. & Behav. Vols. New position & address: Prof. 69-, Dept. of Psychology, University of Georgia, Athens, Ga. 30601.
- POLAKOFF, PROF. MURRAY E (MANUEL). Finance, Economics. See L-Z Vol, 11th ed, Soc. & Behav. Vols. New information: Also v.dean, 68-, Graduate School of Business Administration, New York University, New York, N.Y. 10006.
- POLIZZI, DR. JOSEPH ANTHONY. Sociology. See L-Z Vol, 11th ed, Soc. & Behav. Vols. New information: Consult. Sociological Assocs, 69- Address: 82 Yorkshire Rd, Rochester, N.Y. 14609.
- POLLIO, PROF. HOWARD R. Psychology. See L-Z Vol, 11th ed, Soc. & Behav. Vols. New position: Prof. 69-, Dept. of Psychology, University of Tennessee, Knoxville, Tenn. 37916.
- POLLOCK, DAVID H (AROLD). Economic Development, International Economics. See L-Z Vol, 11th ed, Soc. & Behav. Vols. New position: Spec. adv. ILPE, 69-, U.S. ECLA/ILPES, Washington Office, 1819 H St. N.W., Washington, D.C. 20006.
- POLLOCK, PROF. JAMES (KERR). Political Science. See 11th ed, Soc. & Behav. Vols., deceased 68.
- POLOPOLUS, DR. LEONIDAS. Agricultural Economics. See L-Z Vol, 11th ed, Soc. & Behav. Vols. New position: Prof. agr. econ. & asst. dean grad. sch. 69-, University of Florida, 235 Tigert Hall, Gainesville, Fla. 32601.
- POLSKY, PROF. NED, b. New York, N.Y. Oct. 20, 28; m. 59; c. 1. SOCIOLOGY, B.A., Chicago, 49-50. Ed-in-chief, Free Press, 54-57, dir. 61-63; exec. ed. col. dept. T.Y. Crowell Co., 57-58, head col. dept. St. Martin's Press, 59-61; ASSOC. PROF. SOCIOL. STATE UNIV. N.Y. STONY BROOK, 64- Summers, State Univ. N.Y. Res. Found. faculty res. fel. 67; faculty res. fel. grad. sch. State Univ. N.Y. Stony Brook, 68. Consult. anti-poverty opera. bd. Ofc. Mayor, New York, 64; drug studies prog. U.S. Nat. Student Ainn, 68; drug ed. prog. Jr. League of New York, 68; consult. guru, Marilunas Rev. 70- Ed-in-chief, Chicago Rev. 49-50. Sociol. Assn.; Soc. Study Social Probs. Sociology of crime, delinquency and deviance; sociology of the arts: methods in historical sociology; sociology of sports and games. Publ: Hustlers, beats, and others, Aldine, 67, Doubleday Anchor, rev. ed. 69 & Penguin Books Ltd., New York, 64; The life and art of James Joyce, New Leader, 60. Address: Dept. of Sociology, State University of New York at Stony Brook, Stony Brook, N.Y. 11790.

- POMERANZ, DR. DAVID MELVIN. b. Brooklyn, N.Y. Nov. 27, 36; m. 68. PSYCHOLOGY. B.S., Brooklyn Col. Sch., Ph.D. (psychol.), Rochester, 63. Instr. med. psychol. med. sch., Oregon, 63-64; res. assoc. PSYCHOL., Stanford Univ. & Vah Palo Alto, 64-65; vis. asst. prof., STATE UNIV. N.Y. STONY BROOK, 65-66; asst. prof., 66-69, ASSOC. PROF., 69- Fel, 63-64. Behavior modification and the psychology of behavior influence. Publ: Co-auth. Conditioning and transfer of therapist operations, 65 & Role of assessment in behavior modification, 68, Psychol. Reports; Effect of a placebo on a simple motor response, Perceptual & Motor Skills, 68. Address: Dept. of Psychology, State University of New York at Stony Brook, Stony Brook, N.Y. 11790.
- POMEROY, DR. EDWARD W. G. b. Victoria, B.C. July 6, 40; m. 66; c. 1. CLINICAL PSYCHOLOGY. B.A., Victoria, 62; M.A., Colorado, 65, Ph.D. (clin. psychol.), 68. Clin. instr. PSYCHOL., Vet. Admin. Hosp., Denver, 63-65; res. assoc., Human Interaction Res. Inst., Los Angeles, 65-67; ASST. PROF., Laurentium, Ont., 68-69; BROCK, 69- Acting dir. psychol. serv., Sudbury Algoma Sanatorium, Ont., 68-69, consult., 69- R.C.N.R., Lt. Am. Psychol. Assn. Can. Psychol. Assn. Work experience as a factor in life adjustment; methods of developing non-professional resources for dealing with problems of adjustment; behavior modification with children. Publ: Co-auth., An evaluation followup study of the job opportunities center experimental demonstration project for the communities of Denver and Pueblo, Colorado, Human Interaction Res. Inst., 67. A cross-cultural format for national mental health program analysis, Community Ment. Health J., 69 & Classification of low level jobs: a research scale, In: The experimental publication system, Catalog Abstracts, 9/69. Address: Dept. of Psychology, Brock University, St. Catharines, Ont., Can.
- POMEROY, DR. LEON R. b. Westfield, Mass. Dec. 6, 33. BEHAVIORAL SCIENCE, BIOLOGY. B.A., Massachusetts, Amherst, 59, M.A., 61; dipl. Brain Res. Inst., Mexico City, 64; Ph.D. (psychol.), Texas, Austin, 67. Res. asst. to Prof. Roger Williams, Clayton Found. Biochem. Inst., Texas, Austin, 61-65, res. elec. engr. asst. to Prof. J. Welch, biomed. eng. dept., 65-67; asst. prof. PSYCHOL., LONG ISLAND, 67-70, ASSOC. PROF., 70- Fel, Inst. Adv. Study, New York, 69-; vis. prof., Queens Col. (N.Y.), summer, 69. Psychol. Assn. Behavior change technology; computer applications in behavioral sciences; personality, drug, hypnosis and vitamin investigations. Publ: Computer assisted electroencephalographic analysis of chick pyridoxine deficiency states, Tech. Report No. 36, Lab. Electronics & Related Sci. Res. Col. Eng., Univ. Texas, Austin, 67; assoc. ed., Handbook of general psychology, Prentice-Hall, (in press); auth., Brain electrode preparation for the gross EEG monitoring of large chick samples, Electroencephalogr., Clin. Neurophysiol., 68. Address: Drawer B, Brooklyn Heights, N.Y. 11202.
- POMNICHOWSKI, PROF. ALEX S. b. Wyandotte, Mich., July 30, 29; m. 53; c. 3. MANAGEMENT. B.A., Eastern Michigan, 51; M.A., Michigan, 52; M.B.A., 59, Ph.D. (bus.), 61; Mich. State, 64-65. Instr. pub. schs., Mich., 54-56; bus. admin., 56-59; prof. & chmn. dept., Parsons Col., 61-67; PROF. BUS. ADMIN. & HEAD DEPT., FERRIS STATE COL., 67- Vis. prof., St. Cloud State Col., 66; participant, Found. Econ. Ed., summer 66. Judge Advocate Gen. C., U.S.A., 52-54. Econ. Asst.; Acad. Mgt. Indust. Rels. Res. Assn. Soc. Training & Development; N. Am. Res. Group Mgt. Training and development of managers; managers' value systems; comparative administration; industrial relations systems. Address: Dept. of Business Administration, Ferris State College School of Business, Big Rapids, Mich. 49307.
- PONTHIEU, DR. LOUIS DAVID, b. Galveston, Tex., Mar. 8, 40; m. 64; c. 1. MANAGEMENT. B.B.A., North Texas State, 62; M.A., 63; Ph.D. (bus. admin.), Arkansas, 69. Instr. bus. admin., North Texas State, 62-63; econ. & mgt., Arkansas, 63-67; ASSOC. PROF. MGT., TEXAS TECH., 67- Texas State appropriated res. award, 68-69. Mgt. Asst.; Acad. Mgt. Soc. Personnel Admin. Manpower analyses of utilization of human resource groups, especially the disadvantaged, handicapped, creative personnel and women. Publ: Successful zero defects management; some research findings, South. J. Bus., 7/69; co-auth., How hospital administrators waste time, Hosp. Mgt., 8/69. Address: Dept. of Management, Texas Tech University, Lubbock, Tex. 79409.
- POOL, DR. D(AVID) IAN. Demography. See L-Z Vol, 11th ed, Soc. & Behav. Vols. New position: Asst. prof., International Population Program, Cornell University, Ithaca, N.Y. 14850.
- POOLE, PROF. CHARLES P(INCKNEY). Psychology. See L-Z Vol, 11th ed, Soc. & Behav. Vols. New information: Independent consult. psychologist, 63. Address: 901 Watson Rd., Mt. Pleasant, Mich. 48858.
- POOLE, LYNN D. Public Relations. See 11th ed, Soc. & Behav. Vols. deceased 69.
- POOLE, DEAN RICHARD W(ILLIAM). Economics, Statistics. See L-Z Vol, 11th ed, Soc. & Behav. Vols. Change of address: College of Business Administration, Oklahoma State University, Stillwater, Okla. 74074.
- POOLE, DR. WILLIAM. Economics. See L-Z Vol, 11th ed, Soc. & Behav. Vols. New position & address: Economist, 69- Division of Research and Statistics Board of Governors of the Federal Reserve System, Washington, D.C. 20551.
- POPE, DR. BENJAMIN. Clinical Psychology. See L-Z Vol, 11th ed, Soc. & Behav. Vols. Change of address: Sheppard & Enoch Pratt Hospital, Box 6815, Towson, Md. 21204.
- POPE, DR. HENRY L(OUIS), JR. Psychology. See L-Z Vol, 11th ed, Soc. & Behav. Vols. New position & address: Ment. health prof. adminstr., 68- Division of Mental Health, Dept. of Institutions, P.O. Box 768, Olympia, Wash. 98501.
- POPENOE, DR. DAVID. Sociology, Urban Planning. See L-Z Vol, 11th ed, Soc. & Behav. Vols. New position & address: Assoc. prof., 69- Dept. of Sociology, Douglass College, Rutgers, The State University, Carpender Hall, New Brunswick, N.J. 08903.
- POPPINO, ROLLIE E(DWARD). Latin American History. See 5th ed, Dir. Am. Scholars, Vol. 1, Hist.
- POPRICK, DR. MARY ANN, b. Chicago, Ill., June 25, 39. EXPERIMENTAL PSYCHOLOGY. B.A., DePaul, 60, M.A., 64; Ph.D. (exp. psychol.), Loyola, 68. Psychol. intern., Elgin State Hosp., Ill., 61-62, staff psychologist, 62; Ill. State Training Sch. for Girls, 62-63; Mt. Sinai Hosp., 63-64; lectr. PSYCHOL., Loyola, 64-67; asst. prof., LEWIS COL., 67-70, ASSOC. PROF., 70-, CHMN. DEPT., 68- AAAS; Psychol. Assn. Social psychology, particularly group risk taking behavior. Publ: Co-auth., Effects of source credibility on the relationship between authoritarianism and attitude change, J. Personality & Soc. Psychol., 9: 179-183. Address: Dept. of Psychology, Lewis College, Lockport, Ill. 60441.
- PORTER, PROF. ALBERT L. b. Hanna, Alta, May 16, 20; U.S. citizen; m. 50; c. 3. BUSINESS MANAGEMENT. B.S., Michigan Tech., 42; M.B.A., Stanford, 48, Ph.D. (bus), 61. Agent, Equitable Life Assurance Soc. U.S., 48-50, asst. agency mgr., 50-53; asst. prof. BUS. MGT., SAN JOSE STATE COL., 55-58; assoc. prof., 58-69, PROF., 69- West. Mgt. Sci. Inst. res. grant, grad. sch. bus., California, Los Angeles, 61-62; vis. prof., Oregon, 66-67. U.S.N.R., 43- Lt. Comdr. Inst. Mgt. Sci. Validity studies correlating adult achievement in management with college and pre-college predictor information; pathological work-orientation. Publ: The business school transition: from folklore to science, J. Higher Ed., 3/63. Validity of socioeconomic origin as a predictor of executive success, J. Appl. Psychol., 2/65 & Hopkins syndrome: the pathologically work-oriented manager, Bull. Oper. Res. Soc. Am., 68. Address: School of Business, San Jose State College, 125 S. Seventh St., San Jose, Calif. 95114.
- PORTER, PROF. DOROTHY. Sociology. See L-Z Vol, 11th ed, Soc. & Behav. Vols. Change of address: Box 23545, Texas Woman's University, Denton, Tex. 76204.
- PORTER, DR. E(LIAS) H(ULL). Psychology. See L-Z Vol, 11th ed, Soc. & Behav. Vols. New position: Syssts. scientist, Technomics Inc., Silver Spring, 69- Address: 4977 Battery Lane, Bethesda, Md. 20014.
- PORTER, PROF. JOHN. Sociology. See L-Z Vol, 11th ed, Soc. & Behav. Vols. New position & address: Prof., 69- Dept. of Sociology, Carleton University, Ottawa, Ont., Can.
- PORTER, DR. JUDITH R. b. Philadelphia, Pa., Mar. 26, 40; m. 60; c. 2. SOCIOLOGY. B.A., Cornell, 62, M.A., 63; Nat. Sci. Found. fel., Harvard, 63-66, Ph.D. (sociol.), 67. Teaching asst. soc. rels., Harvard, 64-65; lectr. SOCIOLOGY, BRYN MAWR COL., 66-67, ASST. PROF., 67- Sociol. Assn. Race relations; sociology of poverty; sociology of religion. Address: Dept. of Sociology, Bryn Mawr College, Bryn Mawr, Pa. 19010.
- PORTER, DR. KENNETH DUANE, b. Brighthurst, Ind., Feb. 18, 34; div; c. 1. PSYCHOLOGY. B.S., Purdue, 56, M.S., 58, Ph.D. (psychol.), 63. Psychologist, Ft. Benjamin Harrison, 61-62; mil. psychologist, U.S. Navy, 63-66; res. psychologist, ATHENS MENT. HEALTH CENTER, 66-68, DIR. PSYCHOL., U.S.N.R., 62-66, Lt. (g). Psychological test validity; psychopathology of schizophrenia. Address: P.O. Box 637, Athens, Ohio 45701.
- PORTER, DR. MYNA T(HEISEN). Biochemistry, Enzymology. See Suppl. VI to 11th ed, Phys. & Biol. Vols.
- PORTER, PROF. RICHARD C. b. Hartford, Conn., Aug. 1, 31; m. 60; c. 2. ECONOMICS. B.A., Williams Col., 53, M.A., Yale, 54, Ph.D. (econ.), 57. Instr. econ. Yale, 57-58, asst. prof., 59-60, 62-64; vis. lectr., Bombay, 58-59; res. adv. inst. Develop. Econ., Karachi, Pakistan, 60-62; assoc. prof. ECON., MICHIGAN, 64-68, PROF., 69- ASSOC. DIR. CENTER RES. ECON. DEVELOP., 64- Consult. Agency Int. Develop. D.C., 64-67; econ. adv., Govt. Colombia, 67-68. Econ. Assn. Industrial and foreign trade policies of underdeveloped countries; monetary policy; economic theory. Publ: A growth model forecast of faculty size and salaries in U.S. higher education, Rev. Econ. & Statist., 5/65; The promotion of the banking habit and economic development, J. Develop. Studies, 7/66; Some implications of postwar primary product trends, J. Polit. Econ., 5-6/70. Address: Dept. of Economics, University of Michigan, 309 S. State, Ann Arbor, Mich. 48104.
- PORTER, PROF. RICHARD LISTER, b. Omaha, Nebr., Feb. 22, 16. ECONOMICS. A.B., St. Louis, 39, M.A., 42, S.T.L., 48, Ph.D. (econ.), 52; California, Berkeley, 50-51. Instr. high sch., Mo., 42-44; econ. St. Louis, 51-54; asst. prof., Rochester Col., 54-56; assoc. prof., econ. & chmn. dept., Creighton, 56-61; PROF. ECON., Marquette, 61-67; OKLA. STATE, 67- Ford faculty res. fel., Univ. Michigan, summer 60. Econ. Assn. Publ: The role of economics in business ethics, Marquette Bus. Rev., 9/65; Gross national product, economic welfare and Christian virtue, Rev. Soc. Econ., 9/65; Economic fluctuations, inflation and deflation, Investment, Theory of money & Economic speculation, In: New Catholic Encyclopedia, McGraw, 67. Address: 111 N. Duck, Stillwater, Okla. 74074.
- PORTNOY, DR. MAURICE. Psychology. See L-Z Vol, 11th ed, Soc. & Behav. Vols. Change of address: 80 East End Ave., New York, N.Y. 10028.
- POSER, DR. E(RNEST) G(EOURGE). Psychology. See L-Z Vol, 11th ed, Soc. & Behav. Vols. New position: Prof. psychology, McGill, 69- Address: 4012 Marlowe Ave., Montreal 260, Que., Can.
- POSNER, DR. JAMES ARTHUR, b. Columbus, Ohio, Sept. 14, 39; m. 61; c. 2. PSYCHOLOGY. B.A., Baylor, 61; M.S., Fla. State, 64, Ph.D. (psychol.), 66. Fel. psychol. serv., Devereux Found., Pa., 66-67; ASSOC. PROF. PSYCHOL., CARSON-NEWMAN COL., 67-, CHMN. ED. & PSYCHOL. DEPT., 70- Psychol. Assn. Chemistry of learning; social influence. Address: Dept. of Psychology, Carson-Newman College, Jefferson City, Tenn. 37760.
- POST, DR. ALBERT. Economics. See L-Z Vol, 11th ed, Soc. & Behav. Vols. New position & address: Inst. economist, 69- Mellon National Bank & Trust Co., Mellon Square, Pittsburgh, Pa. 15222.

POST, PROF. CHARLES GORDON. Political Science. See L-Z Vol, 11th ed, Soc. & Behav. Vols. New information: Retired, Vassar Col, 69-, Campbell vis. prof. govt, 69-, Wells College, Aurora, N.Y. 13026.

POSVAR, CHANCELLOR WESLEY WENTZ, b. Topeka, Kans, Sept. 14, 25; m. 50; c. 3. POLITICAL SCIENCE. B.S. U.S. Mil. Acad, 64; Rhodes scholar, Oxford, 48-51, B.A., M.A., 54; Littauer fel, Harvard, 62-64; M.P.A. & Ph.D.(polit. sci), 64; fel, Mass. Inst. Tech, 63-64; L.L.D., Carnegie-Mellon Univ, 66. Asst. prof. soc. sci., U.S. Mil. Acad, 51-54; mem. long-range objectives & prog. group, Directorate Plans, Ho, U.S. Air Force, 54-57; prof. polit. sci. & head dept. & chmn. soc. sci. div., U.S. Air Force, 54-57; CHANCELLOR, PITTSBURGH, 67-; consult, various govt, agencies, 57-; Mem. cmm. acad. admin. Am. Coun. Ed. & adv. coun. East Air Lines, 67-; vis. cmt. dept. govt, Harvard & adv. cmt. Assoc. Univs, Inc, 68-; U.S.A.F. 46-67; Col. Int. Studies Assn (pres, 61-62); Int. Strategic Studies; Coun. For. Relis. National security policy; arms control and disarmament; strategic planning; university administration; management of resources for higher education; planning, programming and budgeting systems for higher education. Publ. Ed. American Defense Policy, Johns Hopkins, 65; auth. National security policy: the realm of obscurity, Orbis, 65 & The political environment for military planning, U.S. Air Force Space Digest, 12/66. Address: 106 Cathedral of Learning, University of Pittsburgh, Pittsburgh, Pa. 15213.

POTTER, PROF. HAROLD HERBERT, b. Montreal, Que, Mar. 27, 14. SOCIOLOGY. B.A. Sir George Williams Col, 39; M.A. McGill, 49; Chicago, 52-54. Lectr. SOCIOL. SIR GEORGE WILLIAMS, 47-49; asst. prof, 49-54; assoc. prof, 54-63; PROF, 63-, chmn. dept, 61-66. Outside reader of grad. theses in 61-66. Can. Army, 42-44, Sgt. Sociol. Assn; Can. Sociol. & Anthropol. Assn. Negro settlement in Canada; family background of Negro professionals in Canada. Publ. Co-auth, Camp Laquema: a bilingual adult education centre, Can. Adult Ed, 53; auth, Negro settlement in Canada, Race Relis. Inst. Address: Dept. of Sociology & Anthropology, Sir George Williams University, 1435 Drummond St, Montreal 107, Que, Can.

POTTER, PROF. HELEN CATHERINE. Economics. Finance. See L-Z Vol, 11th ed, Soc. & Behav. Vols. New position & address: Prof, 68-, Dept. of Family Economics, Purdue University, Lafayette, Ind. 47907.

POTTER, DR. LOIS S. b. Volga, S.Dak, Dec. 15, 24; m. 60; c. 1. SPEECH PATHOLOGY. EDUCATION. B.A. Yankton Col, 46; summer, South Dakota, 47; M.A. Iowa, 50; Ph.D.(speech path), Wisconsin, 59. Teacher, high sch., S.Dak, 46-49; instr. speech path. & speech consult, Northern Iowa, 50-53; diagnostic speech therapist, Univ. Wisconsin Hosp, 53-54; asst. prof. speech path. & speech consult, NORTHERN IOWA, 54-59; ASSOC. PROF. SPEECH PATH. & SPEECH CONSULT, 59-. Mem. bd. gov. Coun. Except. Children, 64-67. Speech & Hearing Assn; Coun. Except. Children; Nat. Coun. Teachers English; Speech Assn. Am. Student teaching programs in speech correction; group hearing testing. Publ. Co-auth, Basic records and reports for public school speech therapists, Kluwer; auth. A plan for individualized speech activities in the elementary school, Speech Teacher, 9/66. Address: Dept. of Teaching, University of Northern Iowa, Cedar Falls, Iowa 50613.

POTTER, PROF. ROBERT J(OHN), b. Gunnison, Colo, Nov. 15, 23; m. 47; c. 3. SOCIOLOGY. B.A. Colorado, 49; M.A., 54; Ph.D.(sociol), 65. Lectr. SOCIOL. Michigan, Flint, 58-65; res. soc. Sci. Soc. State Univ, N.Y. COL. BROCKPORT, 67-68, PROF, 68-, CHMN. DEPT. 67-; U.S.A.F.R. 42-52, Capt. Sociol. Assn. Social psychology; social change; sociology of leisure; field survey research; small group interaction; participant observation. Publ. Co-auth, An analytic unit for the study of interaction, Human Relis, 62; auth, Portrait of a working class college, Dissent, 64; Sociable conversation among friends, families and strangers, Rocky Mt. Soc. Sci. J, 67. Address: Dept. of Sociology & Anthropology, State University of New York College at Brockport, Brockport, N.Y. 14420.

POTTHOFF, DR. RICHARD F(REDERICK). Mathematical Statistics. See L-Z Vol, 11th ed, Soc. & Behav. Vols. Change of address: 803 Winview Dr, Greensboro, N.C. 27410.

POTVIN, PROF. RAYMOND (HERVE). Sociology. See L-Z Vol, 11th ed, Soc. & Behav. Vols. New information: Also chmn. dept. sociol, 69-, Catholic University, Box 1264, Washington, D.C. 20017.

POUNDS, DR. BILLY DEAN, b. Belmont, Miss, Jan. 23, 30; m. 52; c. 2. POLITICAL SCIENCE, LAW. B.S. Miss. State, 52; M.Ed, 53, Ed.D.(polit. sci), 68. Asst. soc. studies, Miss. State, 51-52; teacher, Thrasher High Sch, 52; Wheeler High Sch, 53; instr. Soc. STUDIES, Northeast Miss. Jr. Col, 53-57; M.A., 57; PROF, MISS. STATE, 57-68, 68-, U.S.A.F. 57-59, Capt. Polit. Sci. Assn. Two party system in Mississippi; growth and development of the Republican party in Mississippi. Publ. A determination and appraisal of content of introduction to political science courses in selected four year colleges and universities in the United States, Miss. State Univ, 68. Address: 1720 Forest Hill Dr, Columbus, Miss. 39701.

POWELL, DR. BARBARA J(OAN). Psychology. See L-Z Vol, 11th ed, Soc. & Behav. Vols. New position: Dir. psychol. serv, 69-, Malcolm Bliss Hospital, 1420 Grattan, St. Louis, Mo. 63104.

POWELL, DR. DAVID E. b. New York, N.Y. Oct. 15, 39; m. 64; c. 1. POLITICAL SCIENCE. B.A. Amherst Col, 61; M.A. Yale, 62, Nat. Defense Ed. Act fel, 62-63, Ph.D.(polit. sci), 66. ASST. PROF. govt. & polit, Maryland, 66-68; GOVT. & FOR. AFFAIRS, VIRGINIA, 68-. Polit. Sci. Assn; Adv. Slavic Studies; Int. Studies Assn. Soviet politics; anti-religious propaganda in the Soviet Union; comparative Communism; Communism and revolution. Publ. The effectiveness of Soviet anti-religious propaganda, Pub. Opinion Quart, fall 67; Mao and Stalin's mantle, Probs. Communism, spring 68. Address: 101 Overlook Dr, Charlottesville, Va. 22901.

POWELL, PROF. HAROLD, b. Jacksonboro, S.C., Dec. 17, 32. SPEECH PATHOLOGY, AUDIOLOGY. B.A., Woodrow Wilson & Danforth fels, S.C. State Col, 61; M.S., Pa. State, 63, Ph.D.(speech path), 66. Assoc. prof. SPEECH

CORRECTION, S.C. STATE COL, 65-67, PROF, 67-; U.S.A.F. 50-57, T/Sgt. Speech & Hearing Assn. Development of stuttering among Negroes; language development in the culturally deprived. Address: Dept. of Speech Correction, South Carolina State College, Orangeburg, S.C. 29115.

POWELL, NORA P(HYLLIS). Demography. See L-Z Vol, 11th ed, Soc. & Behav. Vols. New position: Dept. dir, pop. div. UN, 69-. Address: 510 E. 23rd St, New York, N.Y. 10010.

POWELL, PROF. REED (MADSEN). Business Administration, Management Science. See L-Z Vol, 11th ed, Soc. & Behav. Vols. New information: Also assoc. dean & dir, res. col. admin. sci, Ohio State, 68-. Address: 4331 Donington Rd, Columbus, Ohio 43221.

POWELL, PROF. THEODORE. Public Administration. See L-Z Vol, 11th ed, Soc. & Behav. Vols. New position & address: Pres, 69-, Southeast College, 8600 S. Anthony Ave, Chicago, Ill. 60617.

POWERS, DR. EDWARD A. b. Clarksburgh, W.Va., Mar. 10, 41; m. 61; c. 2. SOCIOLOGY. B.A., Alma Col, 62; M.A. Indiana, 65; Ph.D.(sociol), Ohio State, 68. Instr. SOCIOL. IOWA STATE, 67-68, ASST. PROF, 68-. Sociol. Assn, Nat. Coun. Family Relis. Dating, mate selection and early marriage, aging. Address: 310 Tenth St, Ames, Iowa 50010.

POWERS, DR. MARK J. b. Mauston, Wis, Sept. 16, 40; m. 64; c. 1. ECONOMIC, AGRICULTURAL ECONOMICS. B.S. Wis. State, Platteville, 63; M.S. Wisconsin, Madison, 65; Ph.D.(agr. econ), 66. Farm mgr. Wis. State, Platteville, 62-63; res. asst. agr. econ, Wisconsin, Madison, 63-66; asst. prof. econ, S.Dak. State, 66-69, assoc. prof, 69-70; V.PRES. RES. CHICAGO MERCANTILE EXCHANGE, 70-; Nat. Guard, 59-65. Agr. Econ. Assn; Int. Agr. Econ. Assn. Economic theory; commodity futures trading. Publ. Hedging forward contracting and agricultural credit, Bull. 545, S.Dak. State Univ; Econ. of contract pricing in the success of a future contract, J. Farm Econ, 11/67 & Does future trading reduce price fluctuations in the cash market, Am. Econ. Rev, 6/70. Address: Chicago Mercantile Exchange, 110 N. Franklin, Chicago, Ill. 60606.

POWERS, DR. RICHARD BRIAN, b. Los Angeles, Calif, Apr. 12, 32; m. 62; c. 1. PSYCHOLOGY. B.A. Calif. State Col, Los Angeles, 59; M.A. 62; Nat. Inst. Ment. Health, fel, Arizona State, 63-65, Ph.D.(psychol), 67. ASST. PROF. PSYCHOL. East. Wash. State Col, 66-69; UTAH STATE, 69-. U.S.A.F. 52-56. AAAS; Psychol. Assn; Animal Behav. Soc. Experimental analysis of social behavior, especially cooperation and competition. Publ. Co-auth, Attention span: an operant conditioning analysis, Except. Children, 67; auth, Clock-delivered reinforcers in conjunctive and interlocking schedules, J. Exp. Anal. of Behav, 68; Errorless training of a visual discrimination in pre-school children, Psychol. Record, 70. Address: Dept. of Psychology, Utah State University, Logan, Utah 84321.

POWERS, PROF. RICHARD DALE, b. Akron, Ohio, Dec. 29, 27; m. c. 4. MASS COMMUNICATIONS. B.S. Ohio State, 50; M.S. Wisconsin, 52, Ph.D. (mass comm), 57. Asst. prof. Agr. JOURNALISM, WISCONSIN, MADISON, 52-57, assoc. prof, 57-62, PROF, 62-. Ed. Wis. Exp. Sta, 50-62; vis. prof, postgrad. sch. Nat. Sch. Agr. Mex, 69-. U.S.A.A.F. 46-47. Assn. Ed. in Journalism. Readability and analysis of writing style; comprehension of non-verbal communications. Publ. Co-auth, Agricultural news writing, Brown, 59-62; auth, Statistical methods for communal research, Univ. Wis. Dept. Agr. Journalism, 66; Comprehension of graphs, J. Coop. Ext. 68. Address: Dept. of Agricultural Journalism, University of Wisconsin, Madison, Wis. 53706.

POWRIE, DR. THOMAS LAWRENCE. Economics. See L-Z Vol, 11th ed, Soc. & Behav. Vols. New information: Also chmn, 69-, Dept. of Economics, University of Alberta, Edmonton, Alta, Can.

POYNOR, DR. GEORGE VAUGHN. Mathematics, Computer Science. See Suppl. V to 11th ed, Phys. & Biol. Vols.

POZOS, DR. ROBERT STEVEN. Neuropsychology, Biophysics. See Suppl. VI to 11th ed, Phys. & Biol. Vols.

PRATHER, DR. ELIZABETH MOODIE, b. West Point, Nebr, Mar. 14, 30; m. 59; c. 2. SPEECH PATHOLOGY, AUDIOLOGY. B.S. Nebraska, 52; M.A. Iowa, 57, Ph.D.(speech path, audiol), 60. Speech therapist, pub. schs, Hastings, Nebr, 52-55; teaching asst. speech path. & audiol, Iowa, 55-57; instr. speech, Nebraska, 57-58; res. assoc. speech path. & audiol, Iowa, 58-61; ASSOC. PROF. SPEECH, WASHINGTON (SEATTLE), 65-. Interlingua ed, J. Speech & Hearing Res, 61-65; Speech & Hearing Assn; Int. Gen. Semantics. Articulation effectiveness; severity of stuttering ratings; measures of language development. Publ. Scaling defectiveness of articulation by direct magnitude estimation, 12/60 & co-auth, Procedures for scaling severity of stuttering, 6/63, J. Speech & Hearing Res; auth, An approach to clinical supervision, Am. Speech & Hearing Assn, 12/67. Address: Dept. of Speech, University of Washington, Seattle Wash. 98105.

PRATT, DR. HENRY J. Political Science. See L-Z Vol, 11th ed, Soc. & Behav. Vols. New position & address: Asst. prof, 70-, Dept. of Political Science, Wayne State University, Detroit, Mich. 48202.

PRATT, PROF. LOIS (VER VEER). Sociology. See L-Z Vol, 11th ed, Soc. & Behav. Vols. New position: Prof, Jersey City State Col, 68-. Address: 197 Fernwood Ave, Upper Montclair, N.J. 07043.

PRATT, PROF. SAMUEL A(ALEXANDER). Sociology. See L-Z Vol, 11th ed, Soc. & Behav. Vols. New position: Prof, 68-, Dept. of Sociology, Montclair State College, Valley Rd, Upper Montclair, N.J. 07043.

PRAY, DR. SIDNEY (LUCIUS), JR. b. Chicago, Ill, Feb. 24, 34; m. 60; c. 2. PHYSIOLOGICAL & COMPARATIVE PSYCHOLOGY. B.S., Illinois, 55; M.A., Southern Illinois, 61; fel, Texas Christian, 62, Ph.D.(psychol), 67. Instr. psychol, Illinois Wesleyan, 60-61; psychol. res. med. br, Texas, 64; ASST.

- PROF. PSYCHOL. Southeast. La. Col. 66-68; FLORIDA ATLANTIC, 68-Vis. scientist, Delta Regional Primate Res. Center, 66-68. U.S.A. 57-59. AAAS. Psychopharmacological and experimental variables. Address: Dept. of Psychology, Florida Atlantic University, Boca Raton, Fla. 33432.
- PREECE, RICHARD MATHESON. Political Science, History. See L-Z Vol, 11th ed, Soc. & Behav. Vols. Change of address: U.S. Army Combat Development Command, Institute of Land Combat, The Hoffman Bldg, Eisenhower Ave, Alexandria, Va. 22314.
- PRENDERGAST, PROF. GEORGE A, b. Reading, Pa. Aug. 21, 33; m. 60; c. 3. ECONOMICS, ECONOMIC HISTORY. B.S. St. Joseph's Col.(Pa.) 55; M.A. Pennsylvania, 60, Econ. Ed. Found. fel, 62; Acad. Food Mkt. fel, 69. Instr. acct, ST. JOSEPH'S COL.(PA.) 56-61, ASST. PROF. ECON. 62- Lectr, Rosemont Col. 58-63. Econ. Assn. Hist. Assn. Comparative growth and development of twentieth century United States food distribution: regulation of public utilities. Publ: Regulatory implications of the changing economic environment, 11/67, The FCC proceedings—issues and implications, 9/68 & More on the FCC-AT&T proceedings, 1/70, Pub. Utilities Fortnightly. Address: Dept. of Economics, St. Joseph's College, City Ave. at 54th St, Philadelphia, Pa. 19131.
- PRESCOTT, PROF. DANIEL A (L.FRED). Educational Psychology. See L-Z Vol, 11th ed, Soc. & Behav. Vols. New information: Independent consult. human develop. & teacher ed, 69- Address: 25 E. Wayne Ave, Apt. 702, Spring Spring, Md. 20901.
- PRESHING, DR. WILLIAM ANTHONY. Marketing, Management. See L-Z Vol, 11th ed, Soc. & Behav. Vols. New position & address: Dir, 69-, Institutional Research & Planning, University of Alberta, Edmonton, Alta, Can.
- PRESSAU, DR. JACK R. Religious Education, Psychology. See 5th ed, Dir. Am. Scholars, Vol. IV, Philos, Relig. & Law.
- PRESEY, DR. ALEXANDER WILLIAM, b. Ethelbert, Man, Feb. 8, 30; m. 59; c. 2. PSYCHOLOGY, B.A. Manitoba, 59, M.A. 61; Ph.D.(psychol), Alberta, 65, Res. psychologist, Sask. Dept. Health, 61-63; asst. prof. PSYCHOL. MANITOBA, 65-68, ASSOC. PROF. 68- Can. Psychol. Assn. Perception and cognition. Publ: Theory of the Mueller-Lyer illusion, Perceptual & Motor Skills, 67. Address: Dept. of Psychology, University of Manitoba, Winnipeg, Man, Can.
- PRESTON, DR. JAMES DENE, b. Murfreesboro, Tenn, Dec. 7, 40; m. 65. SOCIOLOGY, B.S. Middle Tenn. State, 62; Nat. Defense Ed. Act fel, Miss. State, 62-65, M.A. 64, Ph.D.(sociol), 67. Asst. sociologist, Miss. State, 65-66; asst. prof. SOCIOL, TEXAS A&M, 66-70, ASSOC. PROF. 70- Sociol. Assn; Rural Sociol. Soc. Study Social Probs. Community sociology; psychiatric sociology. Publ: On norm qualities and deviant drinking behavior, Soc. Probs, spring 69; Religiosity and adolescent drinking behavior, Sociol. Quart, summer 69; A comparative methodology for identifying community leaders, Rural Sociol, 12/69. Address: Dept. of Sociology, Texas A&M University, College Station, Tex. 77843.
- PRESTON, DR. MALCOLM (STURGEON). Psycholinguistics, Medical Psychology. See Suppl. VI to 11th ed, Phys. & Biol. Vols.
- PRESTWOOD, PROF. CHARLES M, JR, b. Brewton, Ala. Apr. 27, 31; m. 51; c. 4. SOCIOLOGY, RELIGION, A.B. Birmingham-South, Col. 53; S.T.B. & Bishop Baker award, 56, Ph.D.(soc. theory), 60. Thesis dir, George Washington, 53-55; asst. prof. philos, Birmingham-South, Col. 58-59; PROF. SOCIOL. & PHILOS, MISS. STATE COL. WOMEN, 68- Consult, Off. Econ. Opportunity, 65- Mem. Ala. Adv. Cmt. to U.S. Cmn. Civil Rights, 59-65; Gov. Cmt. Penal Reform, Ala. 60-63; alumni adv. cmt, sch. theol, Boston Univ. 65-; bd. dirs, Home Counseling Serv. Inc. 68- Changing sociological ideas of Deep South Clergy. Publ: Dilemmas of Deep South clergy, Christianity Today, 61; Bureaucracy and the Gospel, 63 & The new breed of clergy, 68, Christian Advocate. Address: Dept. of Sociology, P.O. Box 160, Mississippi State College for Women, Columbus, Miss. 39701.
- PREVOTS, DR. CLAUDE (HENRY). Philosophy. See 5th ed, Dir. Am. Scholars, Vol. IV, Philos, Relig. & Law.
- PREWITT, ROY (AVERY). Economics. See L-Z Vol, 11th ed, Soc. & Behav. Vols. New position: Acting dir, bur. of econ, Federal Trade Cmn, 69- Address: 4339 26th St, N, Arlington, Va. 22207.
- PRICE, DR. (ARTHUR) COOPER. Clinical Psychology. See L-Z Vol, 11th ed, Soc. & Behav. Vols. Chief, health prog. & chief, psychol. serv, 69-, Federal Correctional Institution, Tallahassee, Fla. 32304.
- PRICE, DR. C. HOYT. Economics. See L-Z Vol, 11th ed, Soc. & Behav. Vols. New position: Dir, info. res, Gulf Oil Corp, 70- Address: 1841 Brandywine Dr, Allison Park, Pa. 15101.
- PRICE, DR. JOHN ANDREW, b. Merced, Calif. Feb. 16, 33; m. 57; c. 4. CULTURAL ANTHROPOLOGY, B.A. Utah, 59, M.A., 62, Ph.D.(anthrop), Michigan, 67. Asst. prof. ANTHROP, California, Los Angeles, 65-67; San Diego State Col. 67-70; ASSOC. PROF, YORK (ONT), 70- Consult, U.S.-Mex. border studies proj, Notre Dame, 68-70. U.S.A. 52-55, Sgt. Soc. Appl. Anthropol; fel. Anthropol. Assn; Ethnol. Soc. Economic and urban anthropology; Japanese, American Indian and Mexico studies. Publ: Washo economy, Nev. State Mus, 62; The migration and adaptation of American Indians to Los Angeles, Human Orgn, 68; A history of the outcasts, In: Japan's invisible race, Univ. California, 66. Address: Dept. of Sociology, York University, Toronto 12, Ont, Can.
- PRICE, DR. JOHN (RUNYAM). Clinical Psychology. See L-Z Vol, 11th ed, Soc. & Behav. Vols. Change of address: 4320 Wornall Rd, Suite 404, Kansas City, Mo. 64111.
- PRICE, DR. MELVYN (GERALD), b. Wichita, Kans, July 9, 47; m. 68. PSYCHOLOGY, SPECIAL EDUCATION. B.A. Oklahoma, 64, Ed.M. 65, Ph.D. (spec. ed), 68. Res. asst. statist. Nat. Severe Weather Storms Lab. & res. inst, Oklahoma, 65-66; psychologist, Pontotoc County Govt. Center, Okla. State Health Dept, 66-67; ASST. PROF. PSYCHOL. OKLAHOMA CITY UNIV, 67-, CHMN. DEPT. 70- Process of categorization in normal and retarded children; meaningfulness as a function of learning in education; student behavior and values in non-assigned non-class room situations. Address: Dept. of Psychology, Oklahoma City University, 2501 N. Blackwelder, Oklahoma City, Okla. 73106.
- PRIEN, DR. ERICH (PAUL). Psychology. See L-Z Vol, 11th ed, Soc. & Behav. Vols. New position & address: Prof, 69-, Dept. of Psychology, Memphis State University, Memphis, Tenn. 38111.
- PRIM, DR. MERLE MINISAA. Psychology, Neuropsychology. See 12th ed, Phys. & Biol. Vols.
- PRIMEAUX, DR. WALTER JOSEPH, JR. ECONOMICS. See L-Z Vol, 11th ed, Soc. & Behav. Vols. New position & address: Assoc. prof, 69-, Dept. of Economic Research, University of Mississippi, Box 419, University, Miss. 38677.
- PRINCE, PROF. DAVID HYDE, b. Dunnington, Va. Mar. 2, 22; m. 48; c. 2. PSYCHOLOGY, EDUCATION. A.B. Wofford Col. 47, M.A. 51; Ph.D.(ed), North Carolina, Chapel Hill, 59. Teacher & athletic dir, high sch, N.C. 47-54, teacher-coach, 54-55; admin. asst. for continuation ed, sch. med. North Carolina, 55-58; PROF. ED. & PSYCHOL. & CHMN. DEPT. ED. WOFFORD COL. 58- Vis. prof, Furman Univ, summers 65-69. Consult, Butte Knit Mills, S.C. 67; Learning Found. of Carolinas, 67-68. A.U.S. 42-46, S/Sgt. Teacher and secondary education; educational testing; history of education. Address: Dept. of Education, Wofford College, Spartanburg, S.C. 29301.
- PRINCE, PROF. DOROTHY MAE. Education, Psychology. See L-Z Vol, 11th ed, Soc. & Behav. Vols. Change of address: 1803 Curry St, Greensboro, N.C. 27406.
- PRINCE, PROF. EWART A. Political Science, International Relations. See L-Z Vol, 11th ed, Soc. & Behav. Vols. Correction: Prof, 67-, Dept. of Political Science, Bishop's University, Lennoxville, Que, Can.
- PRINCE, DR. MELVIN. Sociology. See L-Z Vol, 11th ed, Soc. & Behav. Vols. New position: Sr. res. dir, Batten, Barton, Durstine & Osborn, 69- Address: 5700 Arlington Ave, Riverside, N.Y. 10471.
- PRINCE, DR. THOMAS (RICHARD). Accounting, Economics. See L-Z Vol, 11th ed, Soc. & Behav. Vols. New position: Prof. acct. & chmn. dept. acct. & info. systs, grad. sch. mgmt, Northwestern, 69- Address: 1245 Maple Ave, Wilmette, Ill. 60091.
- PRINGLE, PROF. BRUCE M (ARION). Sociology. See L-Z Vol, 11th ed, Soc. & Behav. Vols. New information: No longer chmn. dept. sociol. & anthrop, Southern Methodist, 69. Address: 826 Northlake Dr, Richardson, Tex. 75080.
- PRINS, DR. T. DAVID. Speech Pathology, Audiology. See L-Z Vol, 11th ed, Soc. & Behav. Vols. New position & address: Assoc. prof, 69-, University Speech & Hearing Clinic, University of Washington, 1320 N.E. Campus Pkwy, Seattle, Wash. 98105.
- PRIOR, DR. ROGER (ANSON). Geography. See L-Z Vol, 11th ed, Soc. & Behav. Vols. New position: Economist & acting dep. prof, 69-, Office of Economic Research, Economic Development Administration, 3300 Whitehaven St. N.W., Washington, D.C. 20007.
- PRITCHETT, PROF. (CHARLES) HERMAN. Political Science. See L-Z Vol, 11th ed, Soc. & Behav. Vols. New position & address: Prof, 69-, Dept. of Political Science, University of California, Santa Barbara, Calif. 93106.
- PRITCHETT, DR. SAMUEL TRAVIS, b. Emporia, Va. Dec. 18, 38; m. 60; c. 1. BUSINESS ADMINISTRATION. B.S. Va. Polytech. Inst. 60, M.S. 67, D.B.A. Indiana, 69. Claim rep, Equitable Life Assurance Soc. of U.S. 60-64, asst. div. claim mgr, 64-65; asst. bus. admin. Va. Polytech. Inst. 65; assoc. ins. Indiana, 66-69; ASST. PROF. BUS. ADMIN, RICHMOND, 69- Risk & Ins. Assn. Financial and sociological aspects of life insurance organizations. Publ: Co-auth, Cumulative index to the Journal of Risk & Insurance, 1992-1967, 69 & auth, The problem drinker and group weekly indemnity insurance claims, 12/70, J. Risk & Ins. Address: 210 Roslyn Hills Dr, Richmond, Va. 23229.
- PRITZKER, L (EON). Statistics, Psychology. See L-Z Vol, 11th ed, Soc. & Behav. Vols. New position: Dir. mkt. systs. group, Amheuser-Busch, Inc, 69- Address: 2106 N. Geyer Rd, St. Louis, Mo. 63131.
- PROCTOR, PROF. GEORGE LOUIS. Philosophy. See 5th ed, Dir. Am. Scholars, Vol. IV, Philos, Relig. & Law.
- PROCTOR, DR. JOHN (HOWARD). Industrial Psychology. See L-Z Vol, 11th ed, Soc. & Behav. Vols. Change of address: 6151 Kellogg Dr, McLean, Va. 22101.
- PROCTOR, DR. ROBERT A, JR, b. Gadsden, Ala. July 22, 20; m. 45; c. 4. PSYCHOLOGY, A.B. Sandhollow, 48; M.S. Oklahoma, 49; Ed.D.(psychol), Temple, 60. Asst. prof. psychol, Howard Col. 49-53; East Baptist Col. 53-55; ASSOC. PROF. ED. PSYCHOL. SOUTH. BAPTIST THEOL. SEM, 60- Exam. Ala. Boys Indust. Sch. 51-53; Eli Lilly fel, Illinois, 62-63; fel, Peabody Col. 69-70. Curriculum consult, exten. dept. South. Baptist Theol. Sem. 64-70. U.S.A. F. 42-46, Capt. Psychol. Assn. Human learning: concept development. Publ: Co-auth, Vital issues in religious education, 65 & auth, Too old to learn? 77, 68, Broadman. Address: Dept. of Psychology, Southern Baptist Seminary, 2825 Lexington Rd, Louisville, Ky. 40206.

- PROKASY, DEAN WILLIAM (FREDERICK), JR. Experimental Psychology. See L-Z Vol. 11th ed, Soc. & Behav. Vols. New information: Also dean 68-, Social & Behavioral Science, University of Utah, 306 Park Bldg, Salt Lake City, Utah 84112.
- PROKOPOV, DR. GEORGE OGDEN, b. Middletown, N.Y., Nov. 3, 25; m. 68. INTERNATIONAL RELATIONS. B.A. Wisconsin, 47; M.A., Columbia, 49; Ph.D. (int. rels.), London Sch. Econ. 58. For. lang. specialist. Cent. Intel. Agency, D.C., 49-50; res. writer, U.S. Int. Info. Prog., Int. Broadcasting Div., U.S. Dept. State, 51-53; instr. polit. sci. & hist. Dutchess Community Col., 59; res. asst. world pop. studies, Pop. Ref. Bur., Inc. D.C. 60-65; res. analyst int. polit.-mil. affairs, Georgetown res. proj. div., Atlantic Res. Corp., D.C. 65-67; consult. oper. anal. off., Off. V-Chief of Staff, Hq. U.S. Air Force, 67; asst. prof. POLIT. SCI. & HIST., UPPER IOWA COL., 67-70, PROF., 70. Polit. Sci. Assn. United States foreign policy; Soviet foreign policy, especially the iron-curtain policy; Latin America; world population studies. Publ. Co-auth. Population trends in the USSR, Pop. Bull., 10/61; co-auth. & compiler, Population—vital rates, In: Britannica World Atlas International, 66. Address: Dept. of Political Science, Upper Iowa College, Fayette, Iowa 52124.
- PROPPER, DR. MARTIN M., b. Bronx, N.Y., Apr. 2, 40; m. 69; c. 1. PSYCHOLOGY. B.A., Williams Col., 61; M.S., St. John's, 65, fel. 66-67, Ph.D. (psychol.), 68. Intern. psychol., Bellevue Psychiat. Hosp., 65-66; clin. psychologist, L.I. Consultation Center, 66-67; SCH. PSYCHOLOGIST, GREAT NECK PUB. SCHS., N.Y., 67-; STAFF PSYCHOLOGIST, PARK AVE. GUID. SERV., 68-; ad. instr. St. John's (N.Y.), 68-; Res. & Develop. Comm. Great Neck Pub. Schs., grant, 69-70. Consult. psychologist, Crime Prev. Bd. Off. Dist. Attorney, Queens, 68- Chmn., Queens County Cmt. Obscenity & Pornography, 68- Psychol. Assn. Alienation among adolescent and college populations; identification of factors in underachievement; programs for underachievers; causal factors in the relationship of pornography and sex offenders. Publ. Experiments on sexuality or on related materials among juvenile prison offenders, Fed. Cmn. on Obscenity & Pornography, (in press); Alienation: another dimension of underachievement, J. Psychol., 70; Direct and projective assessment of alienation among affluent adolescent males, J. Proj. Tech. & Personality Assessment, 70; plus others. Address: 45 Hillpark Ave, Great Neck, N.Y. 11021.
- PROSCH, PROF. HARRY. Philosophy. See 5th ed, Dir. Am. Scholars, Vol. IV, Philos., Relig. & Law.
- PROSE, SISTER MARY REDEMPPTA, O.P. English, Psychology. See 5th ed, Dir. Am. Scholars, Vol. II, Eng. Speech & Drama.
- PROSI, DR. GERHARD, b. Ludwigsburg, Germany, Oct. 27, 35; m. 60; c. 2. POLITICAL ECONOMY. Dipl. Nuremberg, 62; Dr. rer. pol. (econ), Marburg, 65, Privatdozent, 69. Asst. ECON., Marburg, 62-67, lectr. 65-67; Ford Found. vis. fel., Princeton, 67-68; Reim Found. fel., U.S. Res. lectr., 68-69; ASSOC. PROF. SOUTHERN METHODIST, 69- Am. Econ. Assn. German Soc. Econ. & Soc. Sci. Industrial organization; economics of technical change; patents and copyrights; theory of economic policy; economics of pollution. Publ. Technischer fortschritt als mikro-ökonomisches problem, Paul Haupt, Berne, 66; Der einfluss des autorenhorizonts auf den buchpreis, Zeitschrift Nationalökonomie, 70; Patentschutz bremsen den Fortschritt Zwangsalienzen fuer Entwicklungsländer, Publik., 70. Address: Dept. of Economics, Southern Methodist University, Dallas, Tex. 75222.
- PROUDFOOT, DR. VINCENT BRUCE, b. Belfast, Ireland, Sept. 24, 30; m. 61; c. 2. GEOGRAPHY. B.A., Queen's (Belfast), 51, Ph.D. (geog. archaeol.), 57. Res. fel. geog., pedology & archaeol., quaternary res. unit, Queen's (Belfast), 54-58, lectr. GEOG., 58-59; Durham, 59-67, assoc. prof. ALBERTA, 67-70, PROF., 70. Brit. Coun. vis. scholar, N.Germany, 60; Lister lectr., Brit. Assn. Adv. Sci., 64; vis. prof., Auckland & Commonwealth vis. fel., Australia, 66. Can. Asn. Geog. Inst. Brit. Geog. Inst. Prehist. Soc. Agricultural geography; regional planning; economic and community development; spatial aspects of agriculture and the rural economy in Alberta; relations between soils, land use and economic development; land use history. Publ. Farms and fields in Northern Ireland, Agr. Progress, 60; The economy of the Irish rural, Medieval Archaeol. 61 & Recent experiments in geomorphology, Geographia Polonica, 69. Address: Dept. of Geography, University of Alberta, Edmonton 7, Alta., Can.
- PROVIDENCIA (TOLAN), SISTER, F.C.S.P. b. Anacanda, Mont. Feb. 24, 09. SOCIOLOGY. B.A., Col. Great Falls, 45; M.A., Catholic Univ., 52; Gonzaga, summers, 47-50; California, Berkeley, 66. Instr. social. & soc. work, COL. GREAT FALLS, 49-50, PROF. SOCIOLOGY, 52- Lectr. & training workshop participant, Missouri, Kansas City, 66-68. Consult. VISTA, Mont. Indian Reservations, 65-68; community action prog., Off. Econ. Opportunity, Kansas City area, 65-68. Men. State Falls Mayor's Nat. Indian Pcp., 62-64, svy. to cmt. housing & relocation, 67-68; workshop staff, alcoholism, Univ. Utah, 66-67; mem. State Task Force on Health Probs. of Poor, 70; del. at large, Bd. Mont. Acad. Sci., 70-72. Sociol. Assn.; Acad. Polit. & Soc. Sci. Leadership among reservation Indians; comparative studies of on and off-reservations; social changes in American sisterhoods; Indian alcoholism; educational aspirations in Indian enclaves off the reservations. Publ. Co-auth. City and reservation Indians, Soc. Order; auth. Pivot points in the poverty areas, Proc. Mont. Acad. Sci., 69. Address: College of Great Falls, Great Falls, Mont. 59401.
- PRUNTY, PROF. MERLE CHARLES, JR. Geography. See L-Z Vol. 11th ed, Soc. & Behav. Vols. New position: Alumni fund distinguished prof., 69-, Dept. of Geography, University of Georgia, Athens, Ga. 30602.
- PRYOR, DR. GORDON T (AYLOR), b. Los Angeles, Calif., Aug. 28, 33; m. 60; c. 3. PHYSIOLOGICAL PSYCHOLOGY. A.B., Long Beach State Col., 59; U.S. Pub. Health Serv. fel., California, Berkeley, 62-64, Ph.D. (psychol.), 64. Nat. Sci. Found. fel., statist., California, Berkeley, 64; exp. psychologist, STANFORD INST., 64-69, SR. PSYCHOLOGIST, 69- U.S.A.F., 52-56, S/Sgt. AAAS. Brain biochemistry and behavior; psychopharmacology; applied statistics; olfaction; psychogenetics. Publ. Co-auth. Duration of chronic electroshock treatment in relation to brain weight, brain chemistry and behavior, J. Comp. Physiol. Psychol., 67; auth. Neurochemical differences between three pairs of rat strains differing in maze performance, Comp. Biochem. & Physiol., 68 & Postnatal development of CHE, AchE, AAD and MAO in C57BL/6 and DBA/2 mice, Life Sci., 68. Address: Stanford Research Institute, 333 Ravenswood, Menlo Park, Calif. 94025.
- PRYTULA, DR. ROBERT E (DWARD), b. Providence, R.I., Dec. 12, 38; m. 66; c. 1. EXPERIMENTAL & LEARNING PSYCHOLOGY. B.A., Murray State Col., 64; Nat. Inst. Ment. Health fel., Houston, 65-69; M.A., 66, Ph.D. (learning psychol.), 69. ASST. PROF. PSYCHOL., MIDDLE TENN. STATE, 69. Faculty res.-grant, 69-; consult., Tenn. State Dept. Corrections, 69- U.S.A.F., 54- Psychol. Assn. Animal and human learning with an interest in general psychology, behavioral modification and physiology. Publ. Co-auth. Absolute sucrose incentive reduction: frustration or demotivation, Psychonomic Sci., 15: 249-250; Consequences of absolute and relative quantitative sucrose reductions in the albino rat, 6/70 & Sucrose preference and incentive shifts in the double albino, 8/70, Psychol. Reports. Address: Dept. of Psychology, Middle Tennessee State University, Murfreesboro, Tenn. 37130.
- PUCKETT, DR. ROBERT HUGH. Political science. See L-Z Vol. 11th ed, Soc. & Behav. Vols. New position & address: Assoc. prof., 68-, Dept. of Political Science, Indiana State University, Terre Haute, Ind. 47609.
- PUGLIESE, DR. DONATO J (JOSEPH). Political science. See L-Z Vol. 11th ed, Soc. & Behav. Vols. New information: Assoc. prof., Bur. Pub. Admin., Tennessee, 68-; assoc. with Memphis State Univ.-Univ. Tennessee grad. prog., pub. admin. Address: Bureau of Public Administration, University of Tennessee, 810 Broadway, Nashville, Tenn. 37203.
- PUMROY, DR. DONALD (KEITH). Psychology. See L-Z Vol. 11th ed, Soc. & Behav. Vols. New position: Assoc. prof., 69-, College of Education, Dept. of Counseling & Personnel Service, University of Maryland, College Park, Md. 20742.
- PURCELL, PROF. JOSEPH CARROLL, b. Cleveland, Va., Feb. 5, 21; m. 55. AGRICULTURAL ECONOMICS, ECONOMICS. B.S., Va. Polytech, 48, M.S., 51; Ph.D. (agr. econ), Iowa State, 56. Agr. economist, U.S. Dept. Agr., 50-51; asst. prof. ECON., GEORGIA, 53-58, assoc. prof., 58-60, PROF., 60; Sears Roebuck Found. res. award, 61; mem. Nat. Res. Task Force, D.C., 64; Distinguished Faculty res. award, 69; Econ-in-Action summer fel., Case West. Reserv., 59. Consult. Ga. Milk Cmn., 55-68; mem. econ. panel, Milk Indust. Found., 68. U.S.A., 44-45. Agr. Econ. Assn. Economic research in agricultural production, marketing, demand and price analysis. Publ. Analysis of consumer expenditures, 63 & Trends and relations in the livestock-meat sector, 68. Univ. Georgia, Quantity-income elasticities for food, J. Agr. Econ., 67. Address: 106 Summit Dr., Griffin, Ga. 30223.
- PURCELL, DR. WAYNE DOUGLAS, b. Spencer, Va., Dec. 13, 38; m. 60; c. 1. AGRICULTURAL ECONOMICS. B.S., Va. Polytech, 62; M.S., 64; Ph.D. (agr. econ), Mich. State, 67. Asst. prof. AGR. ECON., OKLA. STATE, 66-69, ASSOC. PROF., 69- Agr. Econ. Assn. Systems analysis of marketing activities in the food and fiber industries with emphasis on the effectiveness of livestock and meat marketing systems as media of consumer-producer communication. Publ. Effective communication in marketing: problems, alternatives, implications, Proc. Assn. South. Agr. Workers, 2/68; co-auth. Variable procedure in carcass grade and weight of slaughter beef: implications to Oklahoma cattle feeder, Okla. Agr. Exp. Sta. Bull., 8/69; auth. Marketing, price and the theory of communication, Am. J. Agr. Econ., 12-/69. Address: Dept. of Agricultural Economics, Oklahoma State University, Stillwater, Okla. 74074.
- PURKEY, DR. WILLIAM WATSON, b. Shenandoah, Va., Aug. 22, 29; m. 51; c. 2. EDUCATIONAL PSYCHOLOGY. B.S., Virginia, 57, M.Ed., 58, Ed.D. (ed. psychol.), 64. Asst. prof. ED. PSYCHOL., FLORIDA, 64-67, ASSOC. PROF., 67- U.S.A.F., 51-55, T/Sgt. Psychol. Assn. Personality theory, particularly perception and self concept theory. Publ. Self concept and school achievement, Prentice-Hall, 70. Address: 1503 N.W. 17th St., Gainesville, Fla. 32601.
- PURNELL, DR. RICHARD F., b. New York, N.Y., Apr. 19, 38; m. 61; c. 3. EDUCATIONAL PSYCHOLOGY. B.A., City Col. New York, 63; Nat. Defense Ed. Act fel., Texas, 64-66; Ph.D. (ed. psychol.), 66. Asst. prof. & res. assoc. ed. Harvard, 66-69; ASSOC. PROF. PSYCHOL. & COORDINATOR, OKLA. STATE, 69- U.S.A.F., 56-60. AAAS; Psychol. Assn. Ed. Res. Assn. Adolescent personality development; behavior modification in classroom; computer programming in behavioral sciences. Address: Dept. of Educational Psychology, Oklahoma State University, Stillwater, Okla. 74074.
- PURHIT, DR. A(RJUN) (PRASAD), b. Sambalpur, India, Dec. 23, 34; m. 58; c. 3. EXPERIMENTAL & CLINICAL PSYCHOLOGY. B.A., Utkal, India, 55; M.A. Patna, 57; Australian Commonwealth fel., Western Australia, 62-64, Ph.D. (psychol.), 65. Lectr. psychol., Ravenshaw Col., India, 58-62; Nat. Res. Coun. Can. fel., Queen's (Ont.), 65-67; PSYCHOLOGIST, KINGSTON PSYCHIAT. HOSP., 67- Asst. prof., part-time, Queen's (Ont.), 67- Assn. Adv. Behav. Ther. Can. Psychol. Assn. Personality theory; learning; behavior modification; semantic satiation. Publ. Levels of introversion and competition paired-associate learning, J. Personality, 3/66, Personality variables, sex-difference, G.S.R. responsiveness and G.S.R. conditioning, J. Exp. Res. in Personality, 5/66 & Massed practice in pursuit rotor task and two factor theory of inhibition, J. Gen. Psychol., 2/68. Address: Kingston Psychiatric Hospital, Kingston, Ont., Can.
- PURSWELL, DR. JERRY L., b. Cleveland, Tex., Dec. 21, 35; m. 59; c. 3. INDUSTRIAL ENGINEERING. B.S., Lamar State Col., 59; M.S., Alabama, 61; Ph.D. (indust. eng.), Tex. Tech. Univ., 67. Indust. eng., Prenter & Gamble Co., Ohio, 61-62; stud. eng., Collins Radio Co., Tex., 62-84; mgr. indust. eng., 64-65; ASST. PROF. INDUST. ENG., Texas, Arlington, 65; Arkansas, Fayetteville, 67-68; OKLAHOMA, 68- Human Factors Soc.; Inst. Indust. Eng.; Soc. Mech. Eng. Human performance in man-machine systems. Address: School of Industrial Engineering, Room 124, University of Oklahoma, 202 W. Boyd, Norman, Okla. 73069.

PUTH, DR. ROBERT C. b. Appleton, Wis. Apr. 27, 36; m. 60; c. 2. **ECONOMICS**. B.A. Carleton Col. 58; Standard Oil fel. Northwestern, 61, Lincoln Ed. Found. fel. 64, M.A. 65, Ph.D.(econ). 67. **ASST. PROF. ECON.** Earlham Col. 65-67; **NEW HAMPSHIRE**, 67- U.S.A. 58-59. **Econ. Asn.** Econ. Hist. Asn. History of Negro life insurance companies. Publ. The origins, development, and current situation of the Negro life insurance industry. Papers, 15th Annual Meeting of Bus. Hist. Conf. 68; Supreme life: the history of a Negro life insurance company. Bus. Hist. Rev. 69. Address: Dept. of Economics, Whittemore School Bldg., University of New Hampshire, Durham, N.H. 03824.

PYUN, DR. CHONG SOO. **Economics**. See L-Z Vol. 11th ed. Soc. & Behav. Vols. New position & address: Economist, 68-, Federal Reserve Bank of Atlanta, Atlanta, Ga. 30303.

Q

QUADE, DEAN QUENTON L. b. Ft. Dodge, Iowa, Jan. 28, 33; m. 54; c. 5. **POLITICAL SCIENCE**. B.S. Creighton, 57; M.S. Notre Dame, 58, Ph.D.(pol. it), 66. Instr. polit. sci. St. Louis, 59-61; MARQUETTE, 61-63; asst. prof. 63-66, assoc. prof. 66-68, **PROF. POLIT. SCI.** & DEAN GRAD. SCH. 68- U.S.A. F. 59-63, **Polit. Sci. Asn.** Comparative political institutions; political ethics. Publ. Chap. In: Conflict of loyalties, Pegasus, 68; co-auth. American politics: effective and responsible? Van Nostrand, 69; auth. U.S. and wars of national liberation, *Coun. Relig. & Int. Affairs*, 66. Address: Graduate School, Marquette University, 1210 W. Michigan, Milwaukee, Wis. 53233.

QUALIS, R. L. **Finance**. See L-Z Vol. 11th ed. Soc. & Behav. Vols. New position & address: V-pres, 69-, Bank of Mississippi, 201 Main St, Tupelo, Miss. 38801.

QUANCE, DR. CALVIN L. b. Fairfax, Okla. May 24, 35; m. 57; c. 4. **AGRICULTURAL ECONOMICS**. B.S. Okla. State, 58, M.S. 62; Ph.D.(agr. econ), Mich. State, 66. **AGR. ECONOMIST**, **ECON. RES. SERV.** U.S. DEPT. AGR. & OKLA. STATE UNIV. 66- Agr. Econ. Asn. Aggregate production adjustment in United States agriculture. Publ. Co-auth. Capital and management: potential supplies, present status and optimal allocation in North American agriculture, N.Am. Common Mkt. Iowa State Univ. 10/67; auth. Elasticities of production and resource earnings, *J. Farm Econ.* 12/67; co-auth. Possibility measures of aggregate supply elasticities: some new approaches, *Am. J. Agr. Econ.* 5/69. Address: Dept. of Agricultural Economics, Oklahoma State University, Stillwater, Okla. 74074.

QUANSTROM, DR. WALTER ROY. **Zoology, Animal Behavior**. See Suppl. V to 11th ed. Phys. & Biol. Vols.

QUATMAN, DR. GERALD L.(OUIIS). b. Dayton, Ohio, May 30, 35; m. 66; c. 1. **PSYCHOLOGY**. B.A. Dayton, 57; M.A. Louisville, 60; Ph.D.(psychol). Purdue, 63. From asst. prof. to **ASSOC. PROF. PSYCHOL.** XAVIER (OHIO), 62- U.S.A. 68-60, 1st Lt. Psychol. Asn. Personnel, consumer and industrial psychology; psychological statistics; surveying and sampling techniques; advertising effectiveness; employment of disadvantaged. Publ. Costs of library services, *Purdue Libr.* 62; Measures of advertising effectiveness, *Purdue Univ.* 63; co-auth. Ohio agency's new nose-count. Sponsor, 12/63. Address: 6156 Bayberry Dr., Cincinnati, Ohio 45242.

QUAY, PROF. HERBERT C. **Psychology**. See L-Z Vol. 11th ed. Soc. & Behav. Vols. New position & address: Chmn., 68-, Division of Educational Psychology, Temple University, Philadelphia, Pa. 19122.

QUEAL, DR. RALPH WILLIAM, JR. **Psychology**. See L-Z Vol. 11th ed. Soc. & Behav. Vols. New position: Develop. prog. mgr. aerospace group, Boeing Co. 69- Address: 7844 Southeast 72nd St, Mercer Island, Wash. 98040.

QUEEN, PROF. STUART A.(LFRED). **Sociology**. See L-Z Vol. 11th ed. Soc. & Behav. Vols. Change of address: 2243 Semeria Ave, Belmont, Calif. 94002

QUERY, DR. JOY M.(ARVES) N(EALE). **Social Psychology**. See L-Z Vol. 11th ed. Soc. & Behav. Vols. New position: Prof. sociol. & chmn. dept. anthrop. & sociol. N.Dak. State, 69- Address: 1202 Oak St. N. Fargo, N.Dak. 58102.

QUEST, DR. LINDA GERBER. **Political Science**. See L-Z Vol. 11th ed. Soc. & Behav. Vols. New position: Asst. prof. polit. sci. Pace Col. 69- Address: 169 Ninth St, Brooklyn, N.Y. 11215.

QUICK, DR. GEORGE S. b. Marion, Ohio, Sept. 13, 15; m. 40; c. 5. **ECONOMICS**. B.A. Michigan, 38, M.A. 39, Ph.D.(econ). 54. Gen. mgr. lumber mill. Breves Indust. Brazil, 67-68; **ASSOC. PROF. ECON. & CHMN. DEPT. SLIPPERY ROCK STATE COL.**, 68- U.S.A. 42-67, **Col. Econ. Asn.** Economic development in Brazil; labor economics. Address: Dept. of Economics, Slippery Rock State College, Slippery Rock, Pa. 16057.

QUIGLEY, PROF. CARROLL. **History**. See 5th ed. Dir. Am. Scholars, Vol. 1, Hist.

QUILLIAN, DR. M. ROSS, b. Los Angeles, Calif. July 6, 31; m. 67; c. 2. **PSYCHOLOGY, SOCIOLOGY**. M.A. Chicago, 60; Ph.D.(psychol), Carnegie-Mellon Univ. 66. **SR. SCIENTIST**, **BOLT, BERANEK & NEWMAN, INC.** 65- Publ. The teachable language comprehender: a simulation program and the time from semantic memory, *J. Verbal Learning & Verbal Behav.* 8: 240-247 & Capturing concepts in a semantic net, *Associative Info. Processing*, 69. Address: Bolt, Beranek & Newman, Inc. 50 Moulton St, Cambridge, Mass. 02138.

QUINLAN, DR. CLAIRE A(GNES). **Psychology**. See L-Z Vol. 11th ed. Soc. & Behav. Vols. New position & address: V-pres. student affairs, dean div. soc. sci. & chmn. dept. psychol. 69-, Jamestown College, Jamestown, N.Dak. 58401.

QUINLAN, DR. DONALD MICHAEL, b. Milwaukee, Wis. Jan. 28, 42; m. 67; c. 1. **PSYCHOLOGY**. B.A. Fordham, 64; U.S. Pub. Health Serv. trainee, Yale, 64-67, Sterling fel. 67, Ph.D.(psychol). 68. Fel. dept. psychiat. YALE, 68-69, **ASST. PROF. PSYCHOL.** 69- **Psychol. Asn.** Clinical psychology: personality and perception. Publ. Co-auth. Psychological effects of rapid shifts of temporal reference, *Stadium Generale*, 6/70. Address: Dept. of Psychology, Yale University, 333 Cedar St, New Haven, Conn. 06510.

QUINN, GARRY L. b. Boston, Mass. Aug. 27, 35; div. c. 3. **POLITICAL SCIENCE**. S.B. Mass. Inst. Tech. 56 & 57; Stanford, 65-66. Jr. mgt. intern prof. U.S. Atomic Energy Cmn. 57-58, safeguards policy analyst, 59-62. reactor physicist, Hanford Oper. Off. 59-59; staff asst. Off. Asst. Secy. Def. 62-65; prog. mgr. soc. & behav. sci. & sys. **OVERSEAS DEFENSE RES. PROJ.** ADV. RES. PROJ. AGENCY, 66-69, **PROG. MGR. POP. RESOURCES, RES. & DEVELOP. CENTER, THAILAND**, 69- Fel. Nat. Inst. Pub. Affairs, 66- **Asn. Asian Studies**. Conflict resolution; program impact evaluation; RES. & DEVELOP. warfare; revolution; political development; strategy, international relations; verification. Publ. Co-auth. Technical problems of arms control, *Inst. Int. Order*, 60. Address: Office of Secretary of Defense, Advanced Research Projects Agency, Research & Development Center, APO San Francisco 96346.

QUINN, PROF. JAMES A.(LFRED). **Sociology**. See 11th ed. Soc. & Behav. Vols. deceased 69.

QUINNEY, DR. DEAN N. **Forestry, Economics**. See L-Z Vol. 11th ed. Soc. & Behav. Vols. New position: Asst. dir. 69-, Southeastern Forest Experiment Station, U.S. Forest Service, P.O. Box 2570, Asheville, N.C. 28802.

QUINT, JULES V(CTOR). **Statistics**. See L-Z Vol. 11th ed. Soc. & Behav. Vols. New information: Retired, *Metrop. Life Ins. Co.* 69; consult. bur. community environ. mgt. U.S. Dept. Health, Ed. & Welfare, 69-; mem. adv. panel, *Nat. Center Health Statist.* 68- Address: 7 Lark Lane, Norwalk, Conn. 06851.

QUINTON, DR. JOHN D(AMON). **Industrial Psychology, Counseling**. See L-Z Vol. 11th ed. Soc. & Behav. Vols. New position: Pres. John D. Quinton & Assocs. 68- Address: 2134 Cartwright Rd, Missouri City, Tex. 77459.

QUIRK, PROF. JAMES P. b. St. Paul, Minn. Nov. 27, 26; m. 48; c. 6. **ECONOMICS**. B.B.A. Minnesota, 48, M.A. 49, Ph.D.(econ). 59. Asst. prof. **ECON.** Purdue, 60-63, assoc. prof. 63-66; **PROF. KANSAS**, 66- Ford Found. faculty fel. 63-64; *Nat. Sci. Found.* fels. correspondence principle & qual. stability, 66-69. U.S.N. 44-46. **Economet. Soc.** Econ. Asn. Qualitative economics; comparative statistics; welfare economics. Publ. Co-auth. Introduction to general equilibrium theory and welfare economics, McGraw, 68 & Papers in quantitative economics, Univ. Kansas, 69. Address: Dept. of Economics, University of Kansas, Lawrence, Kans. 66044.

QUIREISHI, A. SALAM. **Statistics, Operations Research**. See Suppl. V to 11th ed. Phys. & Biol. Vols.

R

RABAGO, PROF. ALBERTO. **Classical Languages, Philosophy**. See 5th ed. Dir. Am. Scholars, Vol. III, For. Lang. Ling. & Philol.

RABE, DR. AUSMA. **Physiological Psychology, Neuropsychology**. See Suppl. V to 11th ed. Phys. & Biol. Vols.

RABIDEAU, DR. GERALD FRANCIS. **Psychology, Human Factors**. See L-Z Vol. 11th ed. Soc. & Behav. Vols. New position & address: Sr. mem. tech. staff, 69-, Bunker-Ramo Corp, Canoga Park, Calif. 91304.

RABIN, DR. MORTON HERBERT, b. Brooklyn, N.Y. Jan. 29, 26; m. 54; c. 3. **PSYCHOLOGY**. B.A. N.Y. Univ. 48, M.A. Columbia, 51; Nat. Insts. Ment. Health fel. Fla. State, 61-63, Ph.D.(psychol). 68. Instr. **PSYCHOL.** SOUTHERN MISSISSIPPI, 58-59, asst. prof. 59-68, **ASSOC. PROF.** 69- U.S.A. 44-46, Sgt. **Psychol. Asn.** School and developmental psychology; behavior modification; psycho educational assessment. Address: Dept. of Psychology, University of Southern Mississippi, Hattiesburg, Miss. 39401.

RABINOVITZ, DR. FRANCINE FISCHER, b. New York, N.Y. Jan. 16, 41; m. 61; c. 2. **POLITICAL SCIENCE**. B.A. Cornell, 61; Woodrow Wilson fel. Mass. Inst. Tech. 61-62, Nat. Defense Ed. Act fel. 62-65, Ph.D.(polit. sci). 65. Res. assoc. **POLIT. SCI.** urban studies center, Rutgers, 63-65, lectur. Douglass Col. 65-66; asst. prof. & res. assoc. Center Latin Am. Studies, Florida, 66-68; **ASST. PROF. CALIFORNIA, LOS ANGELES**, 68- Summer res. asst. Harvard-Mass. Inst. Tech. joint center urban studies, 63. Consult. Inst. Pub. Admin. 65-; Off. Asst. Secy. **Metrop. Develop.** Dept. Housing & Urban Develop. 66. **Polit. Sci. Asn.** Latin Am. Studies **Asn.** American urban politics; city planning; comparative international urban politics, particularly in Latin America. Publ. Co-auth. Latin American political systems in an urban setting, Univ. Florida, 67 & Urban government in Stockholm, Praeger, 68; auth. City politics and planning, Atherton, 69. Address: Dept. of Political Science, University of California, Los Angeles, Calif. 90024.

RABINOWITZ, DR. VICTOR. **Zoology, International Relations**. See 12th ed. Phys. & Biol. Vols.

RABUSHKA, DR. ALVIN, b. St. Louis, Mo. May 15, 40; m. 63; c. 1. **POLITICAL SCIENCE**. B.A. Washington (St. Louis), 62, M.A. 66, Ph.D.(polit. sci). 68; Hong Kong, 63. **ASST. PROF. POLIT. SCI.** ROCHESTER, 68- **Polit. Sci. Asn.** **Asn. Asian Studies**. Malaysian politics; comparative ethnic politics.

- Publ. Integration in a multi-racial institution, *Race*, 7/69, A note on overseas Chinese political participation in urban Malaya, *Am. Polit. Sci. Rev.* 3/70 & The manipulation of ethnic politics in Malaya, *Polity*, spring 70. Address: Dept. of Political Science, University of Rochester, Rochester, N.Y. 14627.
- RACHLIN, CAROL (KING). Anthropology. See L-Z Vol. 11th ed, Soc. & Behav. Vols. New information: Artist-in writing, *Cent. State College*, 68-Address: Southwest Research Association, 2908 N. Harvey Pkwy, Oklahoma City, Okla. 73103.
- RACHLIN, DR. HOWARD (CARL). Experimental Psychology. See L-Z Vol. 11th ed, Soc. & Behav. Vols. New position & address: Assoc. prof., 69-, Dept. of Psychology, State University of New York at Stony Brook, Stony Brook, N.Y. 11790.
- RACKAUSKAS, DR. CONSTANTINE R. Government. See L-Z Vol. 11th ed, Soc. & Behav. Vols. New position: Assoc. prof., 69-, Dept. of Political Science, Fordham University, Rose Hill Campus, Bronx, N.Y. 10458.
- RACUSEN, DR. FRANCES (RHEA). Psychology. See L-Z Vol. 11th ed, Soc. & Behav. Vols. New information: Acting chief psychologist, *Vet. Admin. West Side Hosp.*, Chicago, 69-, assoc. prof. psychol. dept. psychiat. med. sch., Illinois. Address: 4180 Marine Dr, Chicago, Ill. 60613.
- RADELL, DR. DAVID, b. Philadelphia, Pa., Mar. 23, 38. GEOGRAPHY. URBAN STUDIES. B.A. Calif. State Col. Los Angeles, 59, M.A., 61; Ph.D. (geog.), California, Berkeley, 69. ASST. PROF. GEOG. CALIF. STATE COL. LOS ANGELES, 66- AAAS: Asn. Am. Geog. Urban geography; geography of Nicaragua. Address: Dept. of Geography, California State College at Los Angeles, 5151 State College Dr, Los Angeles, Calif. 90032.
- RADFORD, DR. KATHERINE (CHAMBERLIN). b. Louisville, Ky. Feb. 17, 11; m. 29; c. 2. PSYCHOLOGY. EDUCATION. B.A., Lynchburg coll. 53; M.A., Duke, 60; B.S. Richmond Pribl. Inst., 61; Nat. Insts. Health fed. Fla. State, 62-63; Ed.D. (ed. psychol.), Virginia, 67. Psychologist, Lynchburg Pub. Schs., Va. 60-62; asst. prof. psychol. LYNCHBURG COL., 65-67, ASSOC. PROF. PSYCHOL. & ED. 67- Psychol. Asn. Psychometrics; test construction. Address: Dept. of Psychology & Education, Lynchburg College, Lynchburg, Va. 24504.
- RADLOW, DR. ROBERT. Psychology. See L-Z Vol. 11th ed, Soc. & Behav. Vols. New position & address: Prof. 68-, Dept. of Psychology, San Diego State College, San Diego, Calif. 92115.
- RADTKE, DR. WILLIAM L(OUIS). b. Rochester, N.Y. Sept. 20, 25; m. 50. PSYCHOLOGY. A.B. California, 49; M.A. Florida, 51; cert. clin. psychol. State Univ. N.Y. 52; Ph.D. (psychol.), Duquesne, 68. Psychologist & guid. dir., Anderson Sch., 52-55; counselor, guid. center, Miami, 55-58; instr. math. & behav. sci., Manatee Jr. Col., 59-61; psychol., Santa Rosa Jr. Col., 61-64; West. Psychiat. Inst. & Clin., Pittsburgh, 66-67; res. psychologist, Psychol. Serv. Pittsburgh, 66-69; staff med. psychologist, Landley Porter Neuropsychiat. Inst., 68-69; ASST. PROF. PSYCHOL. inst. on aging, South Florida, 69-70; HAWAII, HILO, 70- U.S.A., 43-46. Psychol. Asn. Soc. Proj. Tech. & Personality Assessment; Soc. Phenomenology & Existential Philos. Psychological development in the adult years; multivariate research methods. Address: Dept. of Psychology, University of Hawaii, 333 W. Lanikaula, Hilo, Hawaii 96720.
- RADUS, DR. LIBBY, b. New York, N.Y. Jan. 23, 14. SPEECH PATHOLOGY, PSYCHOLOGY. B.A. Denver, 50, M.A., 51; Ph.D. (speech path. psychol.), Florida, 65. Admin. asst. speech path. children's speech clin., Univ. Denver, 47-50, supr., 50-51, exec. asst., 51-52; dir. & speech pathologist, Hampton Roads Speech & Hearing Center, 52-63, 65-68; HEAD SPEECH PATH. & AUDIOL. DEPT., RIVERSIDE HOSP., 68- W.A.C., 43-46, Capt. Speech & Hearing Asn. Aphasia. Publ. Implications for language retraining in theory of disengagement and motivation, *J. Speech & Hearing Asn.*, Va., spring 66. Address: Speech Pathology & Audiology Dept., Riverside Hospital, J. Clyde Morris Blvd, Newport News, Va. 23601.
- RAFELD, DR. FREDERICK J(AMES). b. Ashland, Ohio, Feb. 1, 40; m. 60; c. 2. AGRICULTURAL ECONOMICS, ECONOMICS. B.S., Ohio State, 62, M.S. 65, Ph.D. (agr. econ.), 68. Agr. economist, U.S. Dept. Agr., 62-68; ASST. PROF. AGR. ECON. LA. STATE, BATON ROUGE, 68- Agr. Econ. Asn. Econ. Asn. Linear programming analysis of farm adjustments; analysis of influence of attitudes, goals, management ability and growth strategies on farm firm growth; dairy farm adjustments. Publ. Co-auth. Economic evaluation of actual and optimal adjustments in resource use on 160 acre farms in west central Ohio, 1956-1959, 64. Farmers' responses to the feed grain program in the Ohio corn belt area, 67 & Actual and optimal adjustments on 320 acre farms in west central Ohio, 1957-1959, 67, Ohio Agr. Res. & Develop. Center. Address: Dept. of Agricultural Economics, Louisiana State University, Baton Rouge, La. 70803.
- RAFTIS, J. AMBROSE, C.S.B. Medieval & Modern Social History. See 5th ed, *Dir. Am. Scholars*, Vol. I, Hist.
- RAGLAND, PROF. G(EOERGE) R(UFUS). b. Oklahoma City, Okla., May 16, 16; m. 66; c. 2. SOCIOLOGY. B.S. Langston, 38; M.A. State Univ. Iowa, 39, Ph.D. (sociol.), 53. Supt. Deaf, Blind & Orphan's Home, Taft, Okla., 41-45; instr. sociol., Southern Univ., 45-46; head dept. soc. sci., Tex. Col., 46-48. prof. soc. sci. & head dept., 54-55; instr. SOCIOL. State Univ. Iowa, 49-53; head dept. Ala. Agr. & Mech. Col., 53-54; PROF. & HEAD DEPT. PRAIRIE VIEW AGR. & MECH. COL. 55- Sociol. Soc. Minorities; delinquency. Address: Dept. of Sociology, Prairie View Agricultural & Mechanical College, Prairie View, Tex. 77445.
- RAGSDALE, DR. RONALD GENE. Educational Psychology. See L-Z Vol. 11th ed, Soc. & Behav. Vols. Change of address: Dept. of Computer Applications, Ontario Institute for Studies in Education, 252 Bloor St. W., Toronto 5, Ont., Can.
- RAHE, DR. RICHARD HENRY, b. Seattle, Wash., May 28, 36; m. 60; c. 2. PSYCHIATRY. Princeton, 54-57; M.D., Washington (Seattle), 61. Med. intern, internal med., Bellevue Second Med. Div., New York, N.Y., 61-62; resident psychiatrist, Washington (Seattle), 62-64; chief resident, 64-65; res. psychiatrist, U.S. Navy Med. Neuropsychiat. Res. Unit, San Diego, Calif., 65-68; Nat. Inst. Mental Health fed. neurocardiac, Serravallo Hosp. & Karolinska Inst., Stockholm, Sweden, 68-69; CHIEF FLEET PROSS. & BIOCHEM. CORRELATES OF STRESS, U.S. NAVY MED. NEUROPSYCHIAT. RES. UNIT, SAN DIEGO, 69- M.D., U.S.N.R., 65-, Comdr. AAAS: Psychosom. Soc.; N.Y. Acad. Sci. Psychosomatic medicine; analyses of life patterns of persons prior to recognition of illness; analyses of body physiology in response to psychological and physical stress. Publ. An unusual cardiac (ventricular) arrhythmia in a child: psychiatric and psychophysiological aspects, *Psychosom. Med.*, 66; Serum uric acid and cholesterol variability, *J. Am. Med. Asn.*, 68; Life crisis and health change, *Int. J. Psychotropic drug response: advances in prediction*, C.C. Thomas, 69. Address: 4975 Ocean Blvd, San Diego, Calif. 92109.
- RAIA, DR. ANTHONY P., b. Clifton, N.J., May 24, 28; m. 62; c. 2. MANAGEMENT, BEHAVIORAL SCIENCE. B.S. Columbia, 56; M.B.A. California, Los Angeles, 60, Ph.D. (mgmt. behav. sci.), 63. V.pres. electronics, Progressive Electronics Co., 56-58; asst. prof. MGT, Maryland, 63-65; ASSOC. PROF. Miami (Fla.), 65-69; GRAD. SCH. ADMIN., CALIFORNIA, LOS ANGELES, 69- Consult. Publ. Corp., 62-64; Vitro Labs, Inc., 64-66; Stanford Res. Inst., 66-67; South. Bell Tel. Co., 66-; Palm Beach County Sch. Syst., 66- U.S.A.F., 51-53; Air Nat. Guard, 53-64, Capt. Acad. Mgt. Management development; organizational growth and development; systems analysis. Publ. Goal-setting and self control: an empirical study, *J. Mgt. Studies*, 2/65; Educational value management games, *J. Bus.* 7/66; Scientists, engineers, and technological obsolescence, *Calif. Mgt. Rev.*, winter 67. Address: 313 18th St, Manhattan Beach, Calif. 90266.
- RAINE, DR. JESSE E(MERSON). b. Ft. Knox, Ky., Feb. 12, 37; m. 59; c. 3. ECONOMICS, STATISTICS. B.S. Kentucky, 61, Nat. Defense Ed. grant, & M.S. 63, Nat. Sci. Found. grant & Ph.D. (econ.), 66. Instr. soc. sci., Middle Tenn. State, 63-66, asst. prof. econ., 66-67, ASSOC. PROF. 67-68; STATIST., TULSA, 68- Econ. Asn. Inst. Decision Sci. Real property taxation; inventory control. Address: Dept. of Economics, University of Tulsa, Tulsa, Okla. 74135.
- RAINEY, DR. GENE EDWARD. Political Science. See L-Z Vol. 11th ed, Soc. & Behav. Vols. New position & address: Assoc. prof. & head dept., University of North Carolina at Asheville, Asheville, N.C. 28801.
- RAINVILLE, DR. JEAN MARIE, b. St. Felix de Valois, Que., June 13, 34; m. 62; c. 1. M.A. Montreal, 60; D.sociol., Sorbonne, 65. Researcher, J.C. LaHaye Planning Council, 61-63, chief dept. urban renewal, 65-66; ASST. PROF. SOCIOL. ORGN. & ADMIN. doctoral studies, Paris, 66-67; MONTREAL, 67- Can. Soc. Sociol. & Anthropol. Urban community; sociology of organizations and administration. Publ. Condition ouvrière et integration sociale, Editions Ouvrières, 67. Address: Dept. of Industrial Relations, University of Montreal, Montreal, Que., Can.
- RAINWATER, PROF. LEE. Sociology, Psychology. See L-Z Vol. 11th ed, Soc. & Behav. Vols. New position & address: Prof. social, 69-, Dept. of Social Relations, Harvard University, William James Hall, Cambridge, Mass. 02138.
- RAJENDER, PROF. GANDI R., b. Madras, India, June 10, 15; m. 46; c. 2. MANAGEMENT, DECISION SCIENCES. B.S. Madras, 36; M.S. Wyoming, 62, Ph.D. (ed), 67. Supt. Govt. Madras, 37-42; commandant, spec. police battalion, Govt. Madras & Andhra, 47-50; res. assoc. bus. & econ., Wyoming, 65-68. assoc. prof. mgt. & finance, ST. CLOUD STATE COL., 67-68, PROF. MGT. & FINANCE & DIR. BUR. BUS. RES. 68- Mgt. consult., Consult. & Bus. Res. Inc., 70- Indian Army, 42-47, Capt. Inst. Decision Sci.; Acad. Mgt. Business and economic research, especially the decision-making process. Publ. Study of the resources, people, and economy of Teton County, 67 & co-auth. Traveler attitude toward highway billboard advertising, 69, Univ. Wyoming. Address: Bureau of Business Research, St. Cloud State College, St. Cloud, Minn. 56301.
- RALLINGS, DR. E(LISHA) M(ONROE). b. Pageland, S.C., Feb. 10, 24; m. 47; c. 4. SOCIOLOGY, SOCIAL PSYCHOLOGY. B.S., Clemson, 49, M.S., 50, Ph.D. (sociol.), Fla. State, 64. Temporary assoc. prof. agron., Clemson, 50-52; teacher, high sch., S.C., 52-60; ASST. PROF. SOCIOL., Miss. State, 64-66; NORTH CAROLINA, GREENSBORO, 66- U.S.A., 43-47, 3/Sgt. Sociol. Asn.; Asn. Marriage Couns.; Nat. Coun. Family Rel. Research in the areas of marriage, the family and the small group, especially attitudes, values and communication. Publ. A conceptual framework for studying the family: the situational approach, *Macmillan*, Problems of those who marry too young—too soon, *Miss. Ed. Adv. & Family studies of married and never-married males*, *J. Marriage & the Family*, 66. Address: Dept. of Sociology, University of North Carolina, Greensboro, N.C. 27412.
- RALSTON, DR. NANCY CAROLINE, b. Indianapolis, Ind., June 2, 31. PSYCHOLOGY, EDUCATION. A.B. DePauw, 53; M.S. Indiana, 54, Ph.D. (counseling psychol.), 61. Asst. dean women, Miami (Ohio), 54-55, asst. dir. counseling bur., 55-56; exam. psychol. testing, pub. schs., Ohio, 57-61; asst. prof. ED. PSYCHOL., CINCINNATI, 61-64, ASSOC. PROF. 64- Psychol. Asn. Child and adolescent psychology; evaluation and measurement. Address: Dept. of Psychology, University of Cincinnati, Cincinnati, Ohio 45221.
- RAMAMOORTHY, DR. CHITTOOR V. Computer Sciences, Electrical Engineering. See Suppl. V to 11th ed, *Phys. & Biol. Vols.*
- RAMER, DR. JOHN (CARL). Psychology. See L-Z Vol. 11th ed, Soc. & Behav. Vols. New position & address: Assoc. prof., 69-, Dept. of Psychology, Indiana State University, Terre Haute, Ind. 47807.
- RAMEY, DR. JAMES W. Communication, Administration. See Suppl. V to 11th ed, *Phys. & Biol. Vols.*

- RAMNENI, DR. AYYANNA, b. Brahmanakodur, Andhra, India, Oct. 12, 29; m. 66; c. 2. ECONOMICS. B.Sc. Andhra, India, 50; M.Sc. Banaras Hindu Univ., 53; M.A., Minnesota, Minneapolis, 57; Ph.D.(econ), 66. Instr. financial math, Minnesota, Minneapolis, 61-64; ASST. PROF. econ, Northland Col., 64-67; ECON. & FINANCE, XAVIER (OHIO), 67. Econ. Asst.; Statist. Asn. Corporate financing and capital budgeting. Address: Dept. of Economics, Xavier University, Cincinnati, Ohio 45207.
- RAMIREZ, DR. ALBERT, b. Houston, Tex. Nov. 15, 36; m. 66; c. 1. SOCIAL PSYCHOLOGY. B.A. Houston, 61, M.A., 64, Ph.D.(psychol), 66. ASST. PROF. COMMUNITY DENT. SCH. DENT. & PSYCHOL. COL. GEN. STUDIES, ALABAMA, BIRMINGHAM, 66. U.S.A. 55-57. Pub. Health Asst.; Psychol. Asst. Soc. 57. Psychol. Study Social Issues. Educational research and evaluation; techniques of dental health education, particularly within the framework of dentist-patient relationship. Publ. Co-auth. Use of simulated experiences in teaching community dentistry, J. Dent. Ed., 31: 521-527. Prevention for dental health: its relationship to the values of the individual, J. Pub. Health Dent. Vol. 29, No. 2 & Student dental health program of the University of Alabama at Birmingham. II Socioeconomic similarities and perceptual differences between two groups of nursing students, J. Am. Col. Health Asn., 17: 383-388. Address: Dept. of Dentistry, University of Alabama School of Dentistry, 1919 Seventh Ave. S., Birmingham, Ala. 35233.
- RAMNATH, DR. RUDRAPATHA V. Aerospace Sciences, Applied Mathematics. See Suppl. VI to 11th ed, Phys. & Biol. Vols.
- RAMOS AVELLO, PROF. OSCAR b. Havana, Cuba, Sept. 14, 12; U.S. citizen; m. 43; c. 2. ECONOMICS, SPANISH. B.S., Inst. Havana, 29; Ph.D.(econ, polit. sci.) & license in diplomatic & consular law, Havana, 44, Ph.D.(law), 50; summer, Harvard, 53; M.A., South Carolina, 67. Prof. econ, fiscal policy & pub. finance, Villanueva, 51-60; assoc. res. prof. econ. law sch, Miami, 61-62; assoc. prof. econ, Spanish & acct, Benedict Col., 62-67; Spanish Inst. Lit. Newberry Col., 67-68; PROF. ECON. & INT. ACCT. ALLEN, 68. Staff mem., Tax Reform Cmt. of Cuban Govt, 59-60; Cuban Econ. Plan. Cmn., 61; participant, Nat. Sci. Found. Summer Inst. Econ. Teachers, Univ. South Carolina, 67, 70. Am. Asn. Teachers Spanish & Portuguese; Modern Lang. Asn. Am.; Tax Inst. Am. Asn. Econ. Asn.; Cuban Econ. Asn. in Exile; Cuban Cert. Pub. Asst. in Exile. Latin American investment companies. Address: 25 B Woodland Terr., Columbia, S.C. 29205.
- RAMRAS, EUGENE MURRAY, b. Hartford, Conn. June 17, 26; m. 52; c. 3. PSYCHOLOGY. B.A. Brooklyn Col., 49; M.A., Columbia, 50. Res. psychologist, Naval Personnel Res. Lab., 51-56; br. head, occup. & orgn. res. br., Naval Personnel Res. & Develop. Lab., 56-58, dir. ord. weapons sys. div., Naval Personnel Res. Lab., 58-61, asst. br. head, new develop. res. br., Bur. Naval Personnel, 61-64, dir. man/machine sys. res. dept., NAVAL PERSONNEL RES. & DEVELOP. LAB., 64-67, TECH. DIR., 67. Secy, Navy Study Group Manpower Mgt. Sys., 62; mem., Navy Lab. Adv. Tech. Objectives Working Group, 68. Consult. personnel & training res. to dep. chief Naval Ops., 62-64. Mem., Intra-Navy Cmt. Submarine Habitability Res. & Develop., 61-65. U.S.A.A.F. 45-47. U.S.A.S. Psychol. Asn.; Human Factors Soc.; Instr. Elec. & Electronic Eng. Personnel & Guid. Asn. Man/machine systems; human factors research; personnel research; manpower studies. Address: 14731 Myer Terr., Rockville, Md. 20853.
- RAMSETT, DR. DAVID E, b. Viroqua, Wis., May 12, 42; m. 62; c. 2. ECONOMICS. B.A., Luther Col.(Iowa), 65; M.A., Oklahoma, 67, Ph.D.(econ), 68. Asst. prof. ECON, Northern Iowa, 68-70; ASSOC. PROF., NORTH DAKOTA, 70. U.S.A., 61-62. Econ. Asn. Role of economic integration as a mechanism to further the growth and development of less developed economies with emphasis toward Central America. Publ. Regional industrial development in Central America, Praeger, 69. Address: Dept. of Economics, University of North Dakota, Grand Forks, N.Dak. 58202.
- RAMSEY, DR. DIANE M. Psychology. See RAMSEY-KLEE, DR. DIANE M, this Suppl.
- RAMSEY, DR. JOHN, b. Monticello, Ark. Dec. 7, 30; m. 61; c. 2. POLITICAL SCIENCE. B.S., Ark. Agr. & Mech. Col., 51; M.A., Arkansas, 53; Ph.D.(polit. sci.), Missouri, 67. Teacher, high sch., Mo., 55-60; instr. POLIT. SCI. Missouri, 60-63; Wake Forest, 63-64; asst. prof. OLD DOMINION, 64-68. ASSOC. PROF., 68. U.S.A., 63-65. Polit. Sci. Asn. Role of the director of the Bureau of the Budget as an aide to the President. Address: Dept. of Political Science, Old Dominion University, Norfolk, Va. 23508.
- RAMSEY-KLEE, DR. DIANE M, b. Duluth, Minn., Nov. 6, 28; m. 68. PSYCHOLOGY. B.A., Minnesota, 50, M.A., 54, Off. Naval Res. fel, 55-58, Ph.D. 58. Asst. psychol., Minnesota, 52-54; admin. asst. Am. Psychol. Asn., 54-55; res. psychologist, U.S. Govt. D.C., 58-62; sr. scientist, astrophysics lab., Douglas Aircraft Co., 63-67; res. psychologist, Reiss-Davis Child Study Center, 67-69; DIR., R-K RES. & SYST. DESIGN, 69. Instr. eve. exten. Univ. Virginia, 61-62. Consult. div. state merit sys., off. field admin., Dept. Health, Ed. & Welfare, 64; spec. res. resources br. div. res. facilities & resources, Nat. Inst. Health, 65; health sci. comput. facility, center health sci., California, Los Angeles, 66-67; div. res., Reiss-Davis Child Study Center, 66-67; Nat. Center Health Serv. Res. & Develop. AAAS; Psychol. Asn.; Asn. Comput. Mach.; Soc. Info. Sci. Experimental design; information storage and retrieval; research methodology; psychological measurement and evaluation; test theory; multivariate analysis; system analysis and programming for electronic computers; artificial intelligence; neural modeling; pattern recognition. Publ. Ed., Molecular coding problems, N.Y. Acad. Sci., 67 & Image processing in biological science, Univ. California, 68; co-auth. Perceptrons as models of neural processes, In: Computers in biomedical research, Vol. 1, Academic, 65. Address: R-K Research & System Design, 3947 Ridgemoor Dr., Malibu, Calif. 90265.
- RANALD, DR. RALPH ARTHUR. English & American Literature. See 5th ed, Dir. Am. Scholars, Vol. II, Eng. Speech & Drama.
- RANDALL, PROF. DUNCAN P(ETER). Geography. See L-Z Vol., 11th ed, Soc. & Behav. Vols. New position: Prof. & chmn., 68, Dept. of Geography, University of North Carolina at Wilmington, P.O. Box 3275, Wilmington, N.C. 28401.
- RANDLES, DR. RONALD HERMAN. Statistics. See Suppl. VI to 11th ed, Phys. & Biol. Vols.
- RANKIN, DR. C(ARL) E(MMETT). Psychology. See L-Z Vol., 11th ed, Soc. & Behav. Vols. New information: Retired, 69. Address: 302 D Forest Park Dr., Charlotte, N.C. 28209.
- RANKIN, PROF. EARL F(REDERICK), JR. Educational Psychology. See L-Z Vol., 11th ed, Soc. & Behav. Vols. New position & address: Prof. ed. & coordinator reading studies, 68-69, College of Education, University of Kentucky, Lexington, Ky. 40506.
- RANSFORD, DR. H. EDWARD. Sociology. See L-Z Vol., 11th ed, Soc. & Behav. Vols. New position & address: Asst. prof., 69, Dept. of Sociology, University of Southern California, Los Angeles, Calif. 90007.
- RANSOM, DR. ROGER L., b. Berkeley, Calif., Sept. 5, 38; m. 60; c. 2. ECONOMICS, ECONOMIC HISTORY. B.A., Reed Col., 59; Ph.D.(econ), Washington (Seattle), 63. Asst. prof. ECON. Washington (Seattle), 63; Virginia, 63-67, lectr. California, Berkeley, 67-68; ASSOC. PROF., CALIFORNIA, RIVERSIDE, 68. Econ. Asn. Econ. Hist. Asn. Brit. Econ. Hist. Soc. Publ. Canals and economic development—a discussion of the issues, Am. Econ. Rev., 64, Interregional canals and economic specialization in the antebellum United States, Explor. Entrepreneurial Hist., 68 & Social returns from public investment—a case study of the Ohio Canal, J. Polit. Econ., 70. Address: Dept. of Economics, University of California, Riverside, Calif. 92502.
- RAO, DR. AMBAR G, b. Calcutta, India, Dec. 1, 37; m. 68. MANAGEMENT SCIENCE, OPERATIONS RESEARCH. B.S., Indian Inst. Tech., 58; M.S., Case Inst. Tech., 64; Ph.D.(opers. res.), Pennsylvania, 67. Res. asst. opers. res., Case Inst. Tech., 63-64; res. fel. mgt. sci. center, Pennsylvania, 64-66; res. assoc., Mobil Oil Corp., 66-69; ASST. PROF. OPERS. RES., N.Y. UNIV., 67-Dir., OR-MS Dialogue Inc., 69. Consult. Mobil Oil Co., 69, Schlitz Brewing Co., 69. Opers. Res. Soc. Am.; Inst. Mgt. Sci.; Asn. Comput. Mach. Quantitative applications in areas where human behavior plays an important role; statistical analysis, particularly forecasting. Publ. Quantitative theories in advertising, Wiley, 70; co-auth. Adaptive smoothing with evolutionary spectra, Mgt. Sci., 70. Address: 110 Bleeker St., Apt. 11-A, New York, N.Y. 10012.
- RAO, DR. ASHOK, b. Shillong, India, Feb. 13, 42. MANAGEMENT SCIENCE, STATISTICS. B.Tech.(hons), Indian Inst. Tech. Kharagpur, 63; M.S., Iowa, 64, Ph.D.(indust. eng.), 68. Res. asst. indust. eng., Iowa, 64-66; instr., 67-68; sr. sys. analyst, Leeds & Northrup Co., Pa., 66-67; ASST. PROF. MCT. RENNELAER POLYTECH, 68. Opers. Res. Soc. Am.; Statist. Asn. Practical applications of integer programming problems, particularly the areas of airline flight scheduling and machine sequencing. Address: Dept. of Management, Rensselaer Polytechnic Institute, Troy, N.Y. 12181.
- RAO, DR. B. RAJA. Mathematical Statistics, Biometry. See Suppl. V to 11th ed, Phys. & Biol. Vols.
- RAO, PROF. J(ONNAGADDA) N(ALINI) K(ANTH). Statistics, Economics. See L-Z Vol., 11th ed, Soc. & Behav. Vols. New position & address: Prof., 69-, Dept. of Statistics, University of Manitoba, Winnipeg, Man., Can.
- RAO, DR. MENDU RAMMOHAN, b. Madras, India, Aug. 6, 41. BUSINESS ADMINISTRATION, OPERATIONS RESEARCH. B.E., Madras, 62; M.E., Cornell, 64; Ph.D.(indust. admin), Carnegie-Mellon Univ., 69. Assoc. res. engr., appl. res. lab., U.S. Steel Corp., 64-68; Int. Center Mgt. Sci. fel. center, Opers. Res. & Econom., Louvain, Belgium, 68-69; ASST. PROF. PROD. & QUANT. METHODS, ROCHESTER, 69. Opers. Res. Soc. Am.; Inst. Mgt. Sci. Large scale linear programming; network analysis combinatorial problems; integer programming and warehousing models. Publ. Co-auth. Finding a cycle in a graph with minimum cost to time ratio with application to a ship routing problem & All shortest routes from a fixed origin in a graph, In: Theory of graphs, Proc. Int. Symp. Rome, 66 & Allocation of transportation units to alternative trips—a column generation scheme with out of kilter sub-problems, Opers. Res., 1&2/68. Address: Graduate School of Management, University of Rochester, Rochester, N.Y. 14627.
- RAO, DR. PODURI S. R. S. Mathematics, Statistics. See Suppl. V to 11th ed, Phys. & Biol. Vols.
- RAOUF, PROF. ABDUL. Industrial Engineering. See Suppl. V to 11th ed, Phys. & Biol. Vols.
- RAPER, DR. ARTHUR F(RANKLIN). Sociology, Rural Sociology. See L-Z Vol., 11th ed, Soc. & Behav. Vols. New publ. Rural development in action: the comprehensive experiment at Comilla, East Pakistan, Cornell Univ., 70. Address: Slope Oaks, 10801 Miller Rd., Oakland, Va. 22124.
- RAPHAEL, DR. C. NICHOLAS. Geography, Geomorphology. See 12th ed, Phys. & Biol. Vols.
- RAPIN, DR. ISABELLE (MRS. HAROLD OAKLANDER). Neurology, Pediatric Neurology. See Suppl. V to 11th ed, Phys. & Biol. Vols.
- RAPKIN, DR. MAURICE. Psychology. See L-Z Vol., 11th ed, Soc. & Behav. Vols. New position: Consult., Los Angeles Psychol. Serv. Center, 70. Address: 10480 Santa Monica Blvd., Los Angeles, Calif. 90025.
- RAPPAFORT, DR. MAURICE. Psychology. See L-Z Vol., 11th ed, Soc. & Behav. Vols. Change of address: 24380 Summerhill Ave., Los Altos Hills, Calif. 94022.

- RAPPAPOORT, DR. SHELDON R. Clinical Psychology. See L-Z Vol, 11th ed, Soc. & Behav. Vols. Change of address: 3801 Gradyville Rd, Newton Square, Pa. 19073.
- RAPPAPOORT, DR. SIDNEY M. Psychology. See L-Z Vol, 11th ed, Soc. & Behav. Vols. Change of address: 535 Pennsylvania Ave, Ft. Washington, Pa. 19034.
- RASHKIS, DR. HAROLD (ALBERT). Psychology, Psychiatry. See L-Z Vol, 11th ed, Soc. & Behav. Vols. New information: Clin. prof. psychiat. & human behavior, California, Irvine, 69-; dep. dir. res. & eval. Orange County Community Ment. Health Serv., 69-; Address: Community Mental Health Services, 2215 N. Broadway, Santa Ana, Calif. 92706.
- RASHOTTE, DR. MICHAEL E. b. Tweed, Ont., Sept. 2, 39; m. 66; c. 1. PSYCHOLOGY. B.A. Western Ontario, 60; M.A., Toronto, 62, Ph.D. (psychol.), 66. Instr. PSYCHOL., Western Ontario, 62-63; Nat. Res. Coun. Can. fel. & spec. lectr., Toronto, 66-67; asst. prof., 67-68; lectr., Univ. Coll., London, 68; ASST. PROF. FLA. STATE, 68- AAAS; Psychol. Assn. Experimental and theoretical analysis of behavior in simple conditioning situations. Address: Dept. of Psychology, Florida State University, Tallahassee, Fla. 32306.
- RASK, DR. NORMAN. Agricultural Economics. See L-Z Vol, 11th ed, Soc. & Behav. Vols. Assoc. prof. Dept. of Agricultural Economics, 2120 Fyffe Rd, Ohio State University, Columbus, Ohio 43210.
- RASKIN, DR. MARCUS GOODMAN. Political Philosophy, Government. See 5th ed, Dir. Am. Scholars, Vol. IV, Phils., Relig. & Law.
- RASMUSSEN, PROF. ALBERT TERRIL. Sociology, Sociology of Religion. See 11th ed, Soc. & Behav. Vols., deceased 69.
- RASMUSSEN, CLYDE L. b. Hyrum, Utah, Sept. 27, 13; m. 36; c. 3. ECONOMICS. A.B. Utah, 34; M.S. California, Berkeley, 36. Examiner acc'ts, Fed. Power Cmt., San Francisco, Calif. 36-41; indust. specialist, West. Utilization Res. & Develop. Div., Agr. Res. Serv., U.S. Dept. Agr., 41-44; price analyst, U.S. Dept. Army, San Francisco, 44-45; supt. food processing, Calif. Frozen Foods, Modesto, 45-46; chief proj. acct. region 2, U.S. Bur. Reclamation, Sacramento, 46-48; INDUST. SPECIALIST, WEST. UTILIZATION RES. & DEVELOP. DIV., AGR. RES. SERV., U.S. DEPT. AGR., ALBANY, 48-Suprv. U.S. peach processing exhibit, Fiera del Levante, Bari, Italy, summer 57 & mem. team to surv. sugar indust., Ryukyu Islands, summer 63. Inst. Food Tech. Economic evaluation of methods for processing agricultural commodities; determination of market potentials and commercial applicability of new products and processes; evaluation of research proposals and goals including benefit-cost analysis. Publ: The dynamic food industry and our eating concepts, 12/65 & Man and his food, 2000 A.D. 5/69, Food Tech; Economics of present and future freezing methods. Am. Soc. Heating Refrig. & Air Conditioning Engr., 6/67. Address: 915 Arlington Ave, Berkeley, Calif. 94707.
- RASMUSSEN, DR. JOHN E (DWARD). Psychology. See L-Z Vol, 11th ed, Soc. & Behav. Vols. New position: Consultant to Pac. Northwest Lab., Battelle Mem. Inst., 69- Address: 111 Somerset St., Richland, Wash. 99352.
- RASMUSSEN, DR. JON A. b. Astoria, Ore., May 20, 42; m. 64; c. 1. ECONOMICS. B.A. Oregon, 64; Ph.D. (econ), Northwestern, 69. Lectr. ECON., WESLEYAN, 68-69; ASST. PROF., 69- Econ. Assn. Economist. Soc. Economics of technological change; investment behavior; structure of competition in industrial markets. Publ: Co-auth. An application of chance constrained programming to portfolio selection in a casualty insurance firm, Mgt. Sci., 6/69. Address: Dept. of Economics, Wesleyan University, Middletown, Conn. 06457.
- RASMUSSEN, DR. JORGEN SCOTT, b. La Porte, Ind., May 23, 35; m. 58; c. 2. POLITICAL SCIENCE, COMPARATIVE POLITICS. A.B. Indiana, 57; M.A. Wisconsin, 58, Ph.D. (polit. sci.), 62. Asst. prof. POLIT. SCI., ARIZONA, 62-66; assoc. prof., Vanderbilt, 66-68; inv. assoc. prof., Columbia, 68-69; ASSOC. PROF., VANDERBILT, 69- Rev. consult., Choice, 66-; consult., Life World Library, 69-; Polit. Sci. Assn. Political process in Western nations, especially Great Britain and particularly political parties. Publ: Retrenchment and revival, 64 & The relations of the Profumo rebels with their local parties, 66, Univ. Arizona; The process of politics, Atherton, 69. Address: Box 1676, Station B, Vanderbilt University, Nashville, Tenn. 37203.
- RATCHFORD, DR. BENJAMIN (ULYSSES). Economics. See L-Z Vol, 11th ed, Soc. & Behav. Vols. Change of address: 133 Pinecrest Rd, Durham, N.C. 27705.
- RAUNER, DR. THERESA M (ADELINE). Educational Psychology, Guidance. See L-Z Vol, 11th ed, Soc. & Behav. Vols. New position: Sch. psychologist, West Point Elem. Sch., 68- Address: Ft. Montgomery, N.Y. 10922.
- RAUNKAR, DR. ROBERT, b. McAlester, Okla., June 13, 31; m. 58; c. 3. AGRICULTURAL ECONOMICS, ECONOMICS. B.S. Okla. State, 56, M.S. 58; Ph.D. (agr. econ), N.C. State, 63. Asst. economist, GEORGIA, 62-69, ASSOC. ECONOMIST, 69- U.S.A.F. 51-55, S/Sgt. Agr. Econ. Assn. Analysis of demand with particular emphasis on foods in three levels of market aggregation; current and projected estimates of demand for foods. Publ: Spatial aspects of demand for food, Proc. Am. South. Agr. Workers, 67; Quantity-income elasticities for foods by level of income, J. Farm Econ, 12/67; Spatial and temporal aspects of the demand for fluid milk in the United States, Ga. Agr. Exp. Sta. Res. Bull., 6/69. Address: Dept. of Economics, University of Georgia, Georgia Station, Griffin, Ga. 30223.
- RAUSHENBUSH, STEPHEN. Economics, Political Science. See L-Z Vol, 11th ed, Soc. & Behav. Vols. New publ. Mar. 69; publ. future, Delacorte, 69. Address: 315 Treasure Boat Way, Sarasota, Fla. 33581.
- RAWLINS, DR. V. LANE, b. Rexburg, Idaho, Nov. 30, 37; m. 60; c. 3. ECONOMICICS. B.S. Brigham Young, 63; Ph.D. (econ), California, Berkeley, 69. Instr. ECON., California, Berkeley, 67-68; ASST. PROF., WASHINGTON STATE, 68- Econ. Assn. Manpower economics; economics of education. Address: Dept. of Economics, Washington State University, Pullman, Wash. 99163.
- RAWSON, MARGARET B (YRDR) (MRS. ARTHUR J. b. Rome, Ga. June 30, 99; m. 23; c. 2. LANGUAGE DISORDERS. A.B. Swarthmore Coll., 23; Pa. Sch. Soc. Work, 23-25; M.A., Pennsylvania, 40. Caseworker, Family Serv. Phila., 23-25; dir. family serv. Family Serv. West. Del. County, 25-27; staff mem. Sch. Rose Valley, Pa. 30-47; asst. prof. sociol., Hood Coll., 47-66; ED, BULL. ORTON SOC., 65- Clin. psychologist, Ment. Health Clin., Frederick County, Md. 50-57; teacher, adult div., Hood Coll., 59-64; Nat. Easter Seal Res. Found. & Hood Coll. grants, 64-67; asst. prof. Rectory Sch., grad. sch. ed. Univ. Connecticut, summers 67- Consult. lang. disorders, 35-; lang. consult. Easter Seal Treatment Center, Montgomery County, Md. 65-; mem. Interdisciplinary Cmt. Reading Probs, 66- Coun. Except. Children; Orthopsychiat. Assn.; Sci. Res. Soc. Am. Orton Soc. (v. pres., 63-64, pres., 65-69; mem. bd). Development and disorders of the language function; all levels of educational sociology. Publ: Bibliography on the nature, recognition and treatment of language difficulties, Orton Soc., Pomfret, Conn., 66; Developmental language disability: adult accomplishments of dyslexic boys, Hopkins, 68; Prognosis in dyslexia, Acad. Ther. Quart., spring 66. Address: Foxes Spy, Route 10, Frederick, Md. 21701.
- RAY, DR. B (BARBARA) (ANN), b. New York, N.Y., Dec. 17, 37. EXPERIMENTAL PSYCHOLOGY. B.A. Columbia, 58, Ph.D. (exp. psychol.), 66. Res. assoc. HARVARD MED. SCH., 66-69, ASSOC. NEUROL., 69-; ASST. PSYCHOL. IN NEUROL., MASS. GEN. HOSP., 66- AAAS. Discrimination learning; acquisition of stimulus control by animals; nonverbal humans, and normal children. Publ: Selective attention: effect of combining stimuli controlling incompatible behavior, J. Exp. Anal. Behav., 69; Psychophysical testing of neurological mutant mice, In: Animal psychophysics, 70 & Reinforcement schedules and stimulus control, In: The theory of reinforcement schedules, 70, Appleton. Address: Neurology Research, Massachusetts General Hospital, Boston, Mass. 02114.
- RAY, DR. MICHAEL L. b. Chicago, Ill., Feb. 6, 39; m. 59; c. 5. SOCIAL PSYCHOLOGY, BUSINESS. B.S. Northwestern, 61, M.S. 62, M.A. 65, Ph.D. (soc. psychol.), 67. Prod. mgr., Patterson Pub. Co., Ill., 59-61; proj. dir. advert. res., Foote, Cone & Belding, Inc., 61-63; instr. advert., Northwestern, 63-67; ASST. PROF. MKT., STANFORD, 67- Asst. prod. mgr., Topco Assocs., Ill., 60-61; lectr., eve. div., DePaul, 62-63; grants, Am. Assn. Advert. Agencies Ed. Found., 68-70; div. sociol. & soc. psychol., Nat. Sci. Found., 69-70; small grant div., Nat. Inst. Ment. Health, 70-71. AAAS; Psychol. Assn.; Assn. Publ. Opinion Res. Development of multiple and nonobtrusive measures of attitude; att. change through conceptual change; applied attitude research. Publ: Co-auth. Speech duration effects in the Kennedy news conferences, Science, 66; auth. Biases in the content of messages designed to induce resistance to persuasion, J. Personality & Soc. Psychol., 68; co-auth. Neglected problems (opportunities) in research: the development of multiple and nonobtrusive measures, Am. Mkt. Assn., 69. Address: Dept. of Marketing, Graduate School of Business, Stanford University, Stanford, Calif. 94305.
- RAY, PROF. OAKLEY S (TERN). Psychology. See L-Z Vol, 11th ed, Soc. & Behav. Vols. New information: Prof. psychol. & assoc. prof. pharmacol., Vanderbilt, 70-; chief psychol. serv., Vet. Admin. Hosp., Nashville, 70- Address: 105 Blue Grass Point, Hendersonville, Tenn. 37075.
- RAY, DR. ROGER D (EAN), b. New Castle, Ind., Mar. 20, 41; m. 62. EXPERIMENTAL PSYCHOLOGY. B.A. Rollins Coll., 62; Wisconsin, 62-64; Ph.D. (psychol.), Tennessee, 69. ASST. PROF. PSYCHOL., ROLLINS COLL., 69- AAAS; Psychol. Assn. Autonomic and interoceptive conditioning; psychosomatic behavior. Address: Dept. of Psychology, Rollins College, Winter Park, Fla. 32789.
- RAY, DR. THOMAS SHELBY. Psychology. See L-Z Vol, 11th ed, Soc. & Behav. Vols. Change of address: Florida Division of Mental Health, 200 E. Gaines St., Tallahassee, Fla. 32304.
- RAYL, PROF. LEO S, JR. Industrial Engineering. See Suppl. Vto 11th ed, Phys. & Biol. Vols.
- RAYMOND, DR. BETH J. b. New York, N.Y., Apr. 12, 43; m. 63. EXPERIMENTAL PSYCHOLOGY. Nat. Sci. Found. summer fels, N.Y. Univ., 64, 65, 66, univ. fels. 65-67, Ph.D. (human learning & memory), 68. ASST. PROF. PSYCHOL., HOFSTRA, 67- Learning; memory; statistics. Publ: Co-auth. Continuity of exposure effects in tachistoscopic perception, Psychom. Sci., 67; auth. Short-term storage and long-term storage in free recall, J. Verbal Learning & Verbal Behav., 10/69. Address: Dept. of Psychology, Hofstra University, Hempstead, N.Y. 11550.
- RAZA, DR. M. ALI. Business Administration, Industrial Relations. See L-Z Vol, 11th ed, Soc. & Behav. Vols. New position: Prof., 69- International Affairs Center, Sacramento State College, Sacramento, Calif. 95819.
- READ, DR. JOHN DONALD, b. Vancouver, B.C., Jan. 23, 43; m. 64. EXPERIMENTAL PSYCHOLOGY. B.A., British Columbia, 64; M.S. Kansas State, 66, Can. Coun. fel. & Ph.D. (exp. psychol.), 69; Hawaii, 66-67. ASST. PROF. PSYCHOL., LETHBRIDGE, 69- An evaluation of typical procedures in verbal learning and their appropriateness to models of human memory and organizational processes. Publ: Co-auth. Effect of simultaneous list presentation on paired-associate learning, Psychol. Reports, 12/66, Addition of context cues to response terms of paired-associate lists, J. Exp. Psychol., 12/68 & Associative organization in paired-associate learning and transfer, J. Verbal Learning & Verbal Behav., 6/70. Address: Dept. of Psychology, University of Lethbridge, Lethbridge, Alta., Can.

- READ, DR. RAYMOND LEE, b. Baytown, Tex. May, 17, 40; m. 64; c. 1. MAN-
AGEMENT, STATISTICS. B.B.A. Baylor, 62, M.B.A. 64; univ. fel. Texas,
Austin, 66-67, NASA Manned Spacecraft Center grant, 67-68, Ph.D. (mgmt.
statist), 69. Admin. asst, trust div, Bank of Southwest, Tex. 64-65; ASST.
PROF. MGT, FLA. STATE, 68. Acad. Mgt. Effect of project team and
contract characteristics on the performance of research and development
contracts; use of management consultants by small businesses. Publ: A
study of the relationship of certain project team and contract characteristics
to the performance of research and development contracts, NASA, 1/69;
co-auth, Contemporary approaches to the control of organizational conflict,
Bus. Studies, fall 69. Address: 1225 Winifred Dr, Tallahassee, Fla. 32303.
- READING, DR. ANTHONY JOHN. Psychiatry. See L-Z Vol, 11th ed, Soc. &
Behav. Vols. New position: Asst. prof, 68-, Dept. of Psychiatry, Johns
Hopkins University, 601 N. Broadway, Baltimore, Md. 21205.
- REAGAN, PROF. BARBARA BENTON. Economics. See L-Z Vol, 11th ed,
Soc. & Behav. Vols. New position: Prof. 69-, Dept. of Economics, Southern
Methodist University, Dallas, Tex. 75222.
- REAGEN, DR. EDWARD P(AUL). Economics. See L-Z Vol, 11th ed, Soc. &
Behav. Vols. New position: Prof, 69-, Dept. of Economics, Skidmore Col-
lege, Saratoga Springs, N.Y. 12866.
- REAM, NORMAN J. Business Finance. See L-Z Vol, 11th ed, Soc. & Behav.
Vols. New position & address: Dir. management serv. div, 69-, S.D.
Leidesdorf & Co, 125 Park Ave, New York, N.Y. 10017.
- REARDON, DR. PAUL A. b. Knoxville, Tenn. Dec. 25, 38; m. 61; c. 1. ECO-
NOMICS. B.S. Missouri-Columbia, 63, M.A. 64, Ph.D. (econ), 68. Instr. soc.
sci, Missouri-Rolla, 66-67; ASST. PROF. ECON, CLEVELAND STATE, 67.
Econ. Asn. Structure of conglomerate firms; industry. Publ: Missouri
market for sulfuric acid, Div. Commerce & Indust. Develop, Mo, 66, 67.
Address: Dept. of Economics, Cleveland State University, Euclid Ave. at
24th St, Cleveland, Ohio. 44115.
- REAVIS, DR. LARRY D. b. Independence, Mo, July 31, 36; m. 62; c. 1. SO-
CIAL PSYCHOLOGY. B.A. Missouri, 62, M.A. 64; Nat. Inst. Ment. Health
fel, Ohio State, 65-67, Ph.D. (psychol), 67. ASST. PROF. PSYCHOL, SOUTH-
ERN METHODIST, 67- U.S.A. 58-60. Effects of inequity feelings upon
decisions; scientific psychology in emerging nations. Publ: Psychology in
the emerging nations: Latin America, Africa, and the Middle East. In: Sys-
tems and theories in psychology, McGraw, 2nd ed, (in press). Address: Dept.
of Psychology, Southern Methodist University, Dallas, Tex. 75222.
- REBERT, DR. CHARLES SIDNEY, b. Detroit, Mich, Feb. 8, 38; m. 62; c. 2.
PHYSIOLOGICAL PSYCHOLOGY. A.B. San Diego State Col, 61, M.A. 64;
Ph.D. (psychol), Iowa, 68. Assoc. engr. Gen. Dynamics/Astronaut, 61-62;
PHYSIOL. PSYCHOLOGIST, STANFORD RES. INST, 67. Athol McBean Fel,
physiol. psychol, Stanford Res. Inst. 67-68. U.S.A.R. 61-67. Biological sub-
strates of learning and motivation, especially electrophysiology of learning
and study of slow potentials in brain. Publ: Co-auth, Convective control of the
contingent negative variation & Motivational determinants of the contingent
negative variation, Electroencephalogr. & Clin. Neurophysiol, 66; Slow poten-
tial change in human brain related to level of motivation, J. Comp. & Physiol.
Psychol, 67. Address: Dept. of Biobehavioral Sciences, Stanford Re-
search Institute, Menlo Park, Calif. 94025.
- RECK, PROF. ANDREW J(ORSEPH). Philosophy. See 5th ed, Dir. Am. Schol-
ars, Vol. IV, Philos. Relig. & Law.
- RECK, DR. MARTIN, b. Brooklyn, N.Y. Aug. 14, 41; m. 67. INDUSTRIAL
PSYCHOLOGY. B.A. Brooklyn Col, 63; M.S. Purdue, 65, Ph.D. (psychol),
67. Teaching asst. PSYCHOL, Purdue, 63-67; ASST. PROF. WEST. WASH.
STATE COL, 67. Res. asst, Indianapolis Hosp. Develop. Asn, 66-67. Psy-
chol. Asn. Prediction of academic achievement with life history inventory;
effects of pricing on consumer decisions. Publ: The prediction of achieve-
ment in a college science curriculum, Ed. & Psychol. Measurement, 28:
943-944 & Sex and age differences in prevalence for nonalcoholic drinks,
Psychol. Reports, 24: 746. Address: Dept. of Psychology, Western Washing-
ton State College, Bellingham, Wash. 98225.
- REDDING, DR. A(LAN) DAVID. Economics. See L-Z Vol, 11th ed, Soc. &
Behav. Vols. New position: Chief econ. planning & res. div, Agency Int.
Develop, Wash, D.C. 69. Address: 13000 Hartland St, North Hollywood,
Calif. 91605.
- REDEMANN, WILLIAM W(ALLACE). International Relations, Marketing.
See L-Z Vol, 11th ed, Soc. & Behav. Vols. Change of address: 418 Cedar
St, Winnetka, Ill. 60093.
- REDFIELD, DR. DAVID D(OGGETT), b. Boston, Mass. Aug. 15, 31. SCI-
ENCE EDUCATION. B.E.E. Virginia, 54, M.Ed. 55, cert. ad. studies, 59,
Ed.D. 60. Sci. coordinator, pub. schs. Va. 60-61, sci. supvr, 62-64; asst.
prof. SCI. ED, FLA. STATE, 64-67, ASSOC. PROF, 67-, ASSOC. DIR. IN-
TERMEDIATE SCI. CURRICULUM PROJ, 68- Instr. Virginia, 60-64; Fla.
State Univ. Res. Comm, 65-66; dir. Nat. Sci. Found. Teacher Training
grants, 65- Consult, Gov. Cmt. Ed. Va. 63. Fel. A.A.S. Asn. Physics
Teachers; Ed. Res. Asn; Inst. Elec. & Electronics Eng; Nat. Asn. Res. Sci.
Teaching; Nat. Sci. Teachers Asn. Sequencing of curriculum materials; /
psychology of learning; new course evaluation; teacher training techniques;
systems and informational analysis. Publ: Contrib. co-ed, Probing the phys-
ical world, Vols. I, II, III & IV, 67 & Probing the natural world, Vols. I & II,
68, Fla. State Univ. auth. An experimental study of the free-fall phenomenon.
Sci. Teacher, 1/66. Address: Dept. of Science Education, Florida State Uni-
versity, Tallahassee, Fla. 32306.
- REDFORD, DR. DONALD B. Egyptology. See 5th ed, Dir. Am. Scholars,
Vol. I, Hist.
- REDMOND, DEAN FRANCES H, b. Akron, Ohio, Apr. 8, 21; m. 41; c. 3. PSY-
CHOLOGY, EDUCATION. B.S. in Ed, Kent State, 61, M.A. 62, fel, 64,
Ph.D. (counsel. ed. & sch. psychol), 66. Asst. supt. & personnel dir, UNFOM
Printing Co, Ill. 45-47; off. mgr. Belesky Woolen Co, Ohio, 47-49; partner,
R-K Off. Serv. 49-50; teacher, elem. sch. 59-60; couns. high sch. 61-63;
psychologist, Summit County Bd. Ed. 63-64; Portage County Bd. Ed. 65-66;
ASSOC. PROF. ED, HIRAM COL, 66-, DEAN STUDENTS, 69- Consult. to
psychologists, Portage County Bd. Ed. 66-68. Psychol. Asn; Personnel &
Guid. Asn. Counselor education: growth and development of the self concept
& from age nine to eighteen; perception and learning; neurological handicaps;
youthness and retention in school. Publ: We need more Indians, Ohio Guid.
News & Views, 63 & Grouping in the elementary classroom, Ideas Ed, winter
69. Address: Apt. 6, 433 Silver Oaks Dr, Kent, Ohio 44240.
- REDMOND, DR. JOHN FRANCES. Educational Psychology. See L-Z Vol,
11th ed, Soc. & Behav. Vols. Change of address: 4508 Viola Place, Yakima,
Wash. 98902.
- REEB, DR. DONALD JOSEPH. Economics. See L-Z Vol, 11th ed, Soc. &
Behav. Vols. New position: Economist, 69-, State University of New York
at Albany, Sayles Hall, Albany, N.Y. 12203.
- REED, DR. DALLAS JOHN, b. Missoula, Mont. May 23, 29; m. 62; c. 3. SO-
CIOLOGY. B.A. Montana, 51, M.A. 55; Ph.D. (sociol), Minnesota, Minneap-
olis, 68. Instr. SOCIOL, Montana, 59-61; Idaho State, 61-63; asst. prof, 63-
68, assoc. prof, 69-70, chmn. dept, 62-70, ASSOC. PROF. NEVADA, LAS
VEGAS, 70- Lectr. Idaho Law Enforcement Acad, 63-69; gen. chmn. West
Interstate Cmn. Higher Ed. Soc. Serv. Ed. Inst. 65-66. Consult, Land Use
Surv. City of Pocatello, Idaho, 63-69; U.S. Dept. Health, Ed. & Welfare Tech.
Assistance Center Juvenile Delinquency, Univ. Colorado, 70. V.chmn.,
Vendor Eval. Cmt. State Comput, 68-69. U.S.A. 51-53, Res. 53-65, Capt.
Soc. Asn. Social science research methodology and computer applications
to sociology; crime and related matters. Publ: A survey of correctional
manpower in Idaho, West. Interstate Cmn. Higher Ed, 69; Consultant re-
viewer, in Choice, 66- Address: Dept. of Anthropology & Sociology, Univer-
sity of Nevada, Las Vegas, Nev. 89109.
- REED, DR. EDWARD WILSON. Finance, Economics. See L-Z Vol, 11th ed,
Soc. & Behav. Vols. New position & address: V.pres. & economist, 68-
U.S. National Bank, P.O. Box 4412, Portland, Ore. 97208.
- REED, DR. ERIK K(ELLERMAN). Anthropology, Archaeology. See L-Z Vol,
11th ed, Soc. & Behav. Vols. New information: Retired, Nat. Park Serv, 69;
prof, 69-, Dept. of Anthropology, Southern Methodist University, Dallas,
Tex. 75222.
- REED, PROF. HOWARD ALEXANDER. Modern History, Islamic & Middle
Eastern Studies. See 5th ed, Dir. Am. Scholars, Vol. I, Hist.
- REED, DEAN JAMES A. Educational Psychology. See L-Z Vol, 11th ed, Soc.
& Behav. Vols. New information: Also dean, 69-, School of Education, East
Stroudsburg State College, East Stroudsburg, Pa. 18301.
- REELING, DR. GLENN EUGENE, b. Dover, Pa. Aug. 21, 30; m. 62; c. 1.
PSYCHOLOGY, EDUCATION. B.S. Pa. State, 52; M.A. New Mexico, 58;
Ed.D. (ed. psychol), Indiana, 62. Teacher, pub. schs. Pa, N.Mex. & Ohio,
54-60; teaching assoc. ed. psychol. & res. methodology, Indiana, 60-62;
editor, achievement tests, Houghton Mifflin Co, 62-63; coordinator off. test-
ing & res. Montclair Pub. Schs. N.J. 63-66; dir. off. instnl. res. JERSEY
CITY STATE COL, 66-69, CHMN. DEPT. PSYCHOL, 69- Consult, grad. ed,
State Dept. Higher Ed, N.J. 66; mid. sch. eval, East Orange Pub. Schs. 66-
67; eng. ed. State Dept. N.Y. 68-69, grad. ed. 69-70; drug ed, Caldwell-
West Caldwell Pub. Schs. N.J. 69-70; billing, ed. N.J. Billing. Ed. Prog. 69-
70. U.S.A. 52-54. Psychol. Asn; Personnel & Guid. Asn; Ed. Res. Asn.
Higher education; non-cognitive traits. Address: 129 Drake Rd, Somerset,
N.J. 08873.
- REESE, EILEEN F, b. Hartford, Conn. Aug. 30, 26; m. 49. PSYCHOLOGY.
B.A. Mt. Holyoke Col, 48, M.A. 54. Res. asst. psychol. MT. HOLYOKE
COL, 48-56, asst. dir. psychol. labs, 56-64, dir. 64-69, LECTR. PSYCHOL,
70- Consult. Can. Nat. Res. Coun. Psychol. Asn; Animal Behav. Soc; N.Y.
Acad. Sci. Animal behavior; learning; education; imprinting; psychophysics.
Publ: Experiments in operant behavior, 64 & Behavior theory in practice (4
part film), 68, Appleton; chap. In: The analysis of human operant behavior,
W.C. Brown, 66. Address: Dept. of Psychology, Mt. Holyoke College, South
Hadley, Mass. 01075.
- REESE, PROF. HAYNE W(ARING). Psychology. See L-Z Vol, 11th ed, Soc.
& Behav. Vols. New position & address: Centennial prof, 70-, Dept. of
Psychology, West Virginia University, Morgantown, W.Va. 26506.
- REESER, DR. ROBERT M. Agricultural Economics. See L-Z Vol, 11th ed,
Soc. & Behav. Vols. New information: Sr. agr. econ, Stanford Res. Inst.,
68-; agr. sector planner, Kingdom Saudi Arabia. Address: c/o Central
Planning Organization, P.O. Box 358, Riyadh, Saudi Arabia.
- REEVES, DR. EARL J(AMES) (JR). Political Science, Urban Studies. See
L-Z Vol, 11th ed, Soc. & Behav. Vols. New position & address: Dir, 70-
Special Undergraduate Programs in Urban Fields, University of Tulsa, 800
S. College, Tulsa, Okla. 74104.
- REEVES, H(ERMAN) CLYDE. Political Science, Economics. See L-Z Vol,
11th ed, Soc. & Behav. Vols. New position: Prof. admin. & polit. sci, 69-
University of Alabama in Huntsville, P.O. Box 1247, West Station, Hunts-
ville, Ala. 35897.
- REEVY, DR. WILLIAM (ROBERT). Clinical Psychology. See L-Z Vol, 11th
ed, Soc. & Behav. Vols. New position: Prof. psychol, 69-, Dept. of Educa-
tion & Psychology, New Mexico Institute of Mining & Technology, Socorro,
N.Mex. 87801.

- REGAN, DR. RICHARD J. b. Morristown, N.J. Oct. 26, 30. POLITICAL SCIENCE. A.B. St. Peter's Col. 52; Ph.D. (polit. sci.) Chicago, 67. ASST. PROF. POLIT. SCI., FORDHAM, 68. Polit. Sci. Assn. Conflicts of conscience and law. Publ: American pluralism and the Catholic conscience, 63 & Conflict and consensus: religious freedom and the Second Vatican Council, 67, Macmillan. Address: Dept. of Political Science, Fordham University, Bronx, N.Y. 10458.
- REGIN, DR. DERIC WAGENVORT. Cultural History. See 5th ed, Dir. Am. Scholars, Vol. I, Hist.
- REHBERG, DR. RICHARD ALAN. Sociology. See L-Z Vol, 11th ed, Soc. & Behav. Vols. New position: Assoc. prof., Dept. of Sociology, State University of New York at Binghamton, Binghamton, N.Y. 13901.
- REHFUSS, DR. JOHN ALFRED. Political Science. See L-Z Vol, 11th ed, Soc. & Behav. Vols. Change of address: Political Science Dept., Northern Illinois University, De Kalb, Ill. 60115.
- REHMUS, PROF. CHARLES M. b. Ann Arbor, Mich. June 27, 26; m. 48; c. 4. POLITICAL SCIENCE, INDUSTRIAL RELATIONS. A.B. Kenyon Col, 47; Michigan, 47-48; M.A., Stanford, 50; Ph.D. (polit. sci.), 55. Asst. prof. polit. sci., Stanford, 50-52; cmnr., Fed. Mediation Serv., 52-58; staff adv. to secy., U.S. Dept. Labor, 58-60; labor rels. adv. to secy., U.S. Dept. Commerce, 60-62; PROF. DIR. INST. LABOR RELS., UNIVERSITY OF MICHIGAN, 62-69; U.S.N., 44-46; Lt. Indust. Rels. Res. Asst.; Int. Indust. Rels. Asst.; Nat. Acad. Arbit.; Polit. Sci. Assn. Labor relations in steel, railroads and maritime industries; public and professional unionism. Publ: Co-auth. Management preparation for collective bargaining, Dow Jones-Irwin, 66; Labor and American politics, Univ. Michigan, 67 & Adjustment to technological change in American transportation, Northwestern Univ., 70. Address: Dept. of Political Science, 118 Museums Annex, University of Michigan, Ann Arbor, Mich. 48104.
- REHN, PROF. H(ENRY) J(OSEPH). Business Management. See L-Z Vol, 11th ed, Soc. & Behav. Vols. Information: Prof. mgt., 69. School of Business, Southern Illinois University, Carbondale, Ill. 62901.
- REICH, PROF. CHARLES ALAN. Law, American Studies. See 5th ed, Dir. Am. Scholars, Vol. IV, Philos. Relig. & Law.
- REICHERT, PROF. WILLIAM O. Political Theory, History of Political Ideas. See 5th ed, Dir. Am. Scholars, Vol. IV, Philos. Relig. & Law.
- REICHMAN, DR. WALTER. b. New York, N.Y. May 31, 38; m. 67. INDUSTRIAL & EDUCATIONAL PSYCHOLOGY. B.A. City Col. New York, 60; M.B.A. 63; M.A. Columbia, 65; Ed.D. (personnel psychol.), 68. Teaching asst. PSYCHOL., City Col. New York, 61-63; res. asst., Horace Mann-Lincoln Inst., Columbia, 63-65; res. assoc., City Univ. Res. & Eval. Unit, 68-69; ASST. PROF., BARUCH COL., CITY UNIV. NEW YORK, 68. Psychol. Assn. Selection of minority groups for college education; career development and occupational choice. Address: Dept. of Psychology, Baruch College of City University of New York, 17 Lexington Ave., New York, N.Y. 10010.
- REID, PROF. IRA DE(AUGUSTINE). Sociology. See 11th ed, Soc. & Behav. Vols., deceased 68.
- REID, DR. (JOHN) CHRISTOPHER. b. Columbia, Mo. May 19, 37; m. 62; c. 3. EDUCATIONAL PSYCHOLOGY. A.B., Oberlin Col., 58; Iowa, 60; M.A., Missouri, 60, Ph.D. (speech), 65. Assoc. dir., off. instr. TV, Missouri, 64-66; asst. prof. ed. & res. asst. ed. res. center & inst. media res. unit, Purdue, 66-68; ASSOC. PROF. ED. & CONSULT. INSTR. RES., MISSOURI-COLUMBIA, 68. Consult. Nat. Center Sch. & Col. TV, 66; Midwest Prof. Airborne TV instr., 67-68; Regional Rehab. Res. Inst., Univ. Wisconsin, 68; U.S. Off. Ed., 69. Adj. Gen. C. 59-65. Ed. Res. Asst.; Nat. Comm. Measurement in Ed.; Asn. Comput. Mach. Computer applications in instruction; measurement and evaluation. Publ: Co-auth. Research in instructional television and film, Govt. Printing Off., 67. A Correlational analysis of the effects of learner and linear programming characteristics, U.S. Off. Ed., 5/68 & Three-mode factor analysis of students' perceptions of university, J. Exp. Ed., fall 69. Address: 409 Jesse Hall, University of Missouri-Columbia, Columbia, Mo. 65201.
- REID, REV. JOHN P. O.P. Philosophy, Religion. See 5th ed, Dir. Am. Scholars, Vol. IV, Philos. Relig. & Law.
- REID, DR. SUE TITUS. Sociology. See L-Z Vol, 11th ed, Soc. & Behav. Vols. New position: Assoc. prof., 69. Dept. of Sociology, Cornell College, Mount Vernon, Iowa 52314.
- REID, PROF. SYDNEY AUGUSTUS. Political Science, Business Administration. See L-Z Vol, 11th ed, Soc. & Behav. Vols. New position & address: Prof. & chmn., 69. Dept. of Political Science, Florida A&M University, P.O. Box 29, Tallahassee, Fla. 32307.
- REIDEL, DR. CARL H. b. Chicago, Ill. Mar. 5, 37; m. 61; c. 3. POLITICAL SCIENCE, FORESTRY. B.S. Minnesota, 58; Ph.D. (resource policy), 69; Montana, 62; M.P.A., Harvard, 64. Res. asst., forest surv. U.S. Forest Serv., 56-57; asst. ranger, 58-60, dist. ranger, 61-63, br. chief pub. info., regional off., 64-65; instr. conserv., Minnesota, 65-69; ASST. PROF. POLIT. SCI. & ASST. DIR. CENTER ENVIRON. STUDIES, WILLIAMS COL., 69. Nat. Guard, 59-66. 2nd Lt. Nat. Parks Assn.; Soc. Am. Foresters; Polit. Sci. Assn. American forest policy and administration, especially the interorganizational relationships of public natural resources agencies. Publ: Conservation brinkmanship, Am. Forests, 2/68; Organizational practices, In: Organization management in forestry, La. State Univ., 69; Environmental forestry, J. Forestry, 2/70. Address: Center for Environmental Studies, Williams College, Williamstown, Mass. 01267.
- REILLY, PROF. ROBERT R. Educational Psychology. See L-Z Vol, 11th ed, Soc. & Behav. Vols. New position: Prof. ed. & psychol., Shippensburg State Col., 69. Address: R.D. 4, Shippensburg, Pa. 17257.
- REINEMANN, DR. JOHN OTTO. Sociology. See L-Z Vol, 11th ed, Soc. & Behav. Vols. New position: Staff consult., Crime Cmn. of Philadelphia, Inc., 69. Address: 21 W. Phil-Elena St., Philadelphia, Pa. 19119.
- REINERTSEN, DR. PHILIP J(AMES). Economics. See L-Z Vol, 11th ed, Soc. & Behav. Vols. New position & address: Sr. economist, 69. International Business Machines Corp., Armonk, N.Y. 10504.
- REINFELD, DR. WILLIAM. Economics, Administrative Sciences. See L-Z Vol, 11th ed, Soc. & Behav. Vols. New position: Resident economist regional transport surv. In Asia, Arthur D. Little, Inc., 69-71. Address: SGV Bldg., Ayala Ave., Makati, Rizal, Philippines.
- REINHARD, DR. GREGOR M. b. Scranton, Pa. Dec. 27, 34; m. 62; c. 2. POLITICAL SCIENCE. B.A., Catholic Univ., 60; M.A., 62, Ph.D. (polit. sci.), 69. From instr. to asst. prof. POLIT. SCI., Loras Col., 64-68; ASST. PROF. & DIR. DEPT., GANNON COL., 68- U.S.N., 55-57. Polit. Sci. Assn.; Int. Studies Assn. International politics; political theory; philosophy. Publ: Political sociology of Frederick Nietzsche, Gen. Polit. Quart., 69. Address: Dept. of Political Science, Gannon College, Erie, Pa. 16501.
- REINHART, DR. MIRIAM M(YRTLE). Speech. See 5th ed, Dir. Am. Scholars, Vol. II, Eng. Speech & Drama.
- REINHART, DR. THEODORE RUSSELL. b. Sellersville, Pa. Jan. 24, 38; m. 58; c. 1. ANTHROPOLOGY. B.A., Pa. State, 61; M.A., George Washington, 64; Ph.D. (anthrop.), New Mexico, 68. ASST. PROF. ANTHROP., COL. WILLIAM & MARY, 68- U.S.A., 55-58. Anthrop. Assn.; Soc. Am. Archaeol.; Archaeol. Inst. Am. Southwest United States archaeology and ethnology; culture change; culture change; New World prehistory. Publ: The Rio Rancho phase, Am. Antiquity, 67; Late archaic cultures of the middle Rio Grande Valley, New Mexico, Univ. Microfilms, 68. Address: Dept. of Anthropology, College of William & Mary, Williamsburg, Va. 23185.
- REINING, PROF. CONRAD C(OPELAND). Social Anthropology. See L-Z Vol, 11th ed, Soc. & Behav. Vols. Information: On leave from Catholic Univ. as secy., Am. Anthropol. Assn., 68-70. Address: 3512 Runnymede Place N.W., Washington, D.C. 20015.
- REINING, DR. PRISCILLA COPELAND. Anthropology. See L-Z Vol, 11th ed, Soc. & Behav. Vols. New position & address: Coordinator, 68. Center for the Study of Man, Smithsonian Institution, Washington, D.C. 20560.
- REIS, DR. WALTER J(OSEPH). Psychiatry, Clinical Psychology. See L-Z Vol, 11th ed, Soc. & Behav. Vols. New position: Psychiatrist & psychoanalyst, Psychiat. Assocs., 69. Address: 4123 Bigelow Blvd., Pittsburgh, Pa. 15213.
- REISER, DR. MARTIN. Psychology. See L-Z Vol, 11th ed, Soc. & Behav. Vols. New position: Dept. psychologist, Los Angeles Police Dept., 68. Address: 1105 Amherst Ave., Los Angeles, Calif. 90049.
- REISMAN, DR. JOHN M(ARK). Clinical Psychology. See L-Z Vol, 11th ed, Soc. & Behav. Vols. New position & address: Prof., 69. Dept. of Psychology, Memphis State University, Memphis, Tenn. 38111.
- REISMAN, DR. KARL. LINGUISTIC ANTHROPOLOGY. A.B., Harvard, 53, Ph.D. (soc. anthrop.), 55; tel. Inst. Caribbean Studies, Puerto Rico, Mayaguez, 60. Lectr. line, Puerto Rico, Mayaguez, 59-60; instr. anthrop., Vassar Col., 62-63; ASST. PROF. LING. ANTHROP., BRANDEIS, 63. Fel. Anthropol. Assn.; Ling. Soc. Am. Ethnography of communication; Creole languages; Caribbean studies. Address: Dept. of Anthropology, Brandeis University, Waltham, Mass. 02154.
- REISS, PROF. IRA L(EONARD). Sociology. See L-Z Vol, 11th ed, Soc. & Behav. Vols. New position & address: Prof. sociol. & dir. family study center, 69. Dept. of Sociology, University of Minnesota, Minneapolis, Minn. 55455.
- REISS, PROF. PAUL J. Sociology. See L-Z Vol, 11th ed, Soc. & Behav. Vols. New information: Also V-pres. acad. affairs, 69. Fordham University at Lincoln Center, New York, N.Y. 10023.
- REISSMAN, PROF. LEONARD. Sociology. See L-Z Vol, 11th ed, Soc. & Behav. Vols. New position & address: Chmn., 70. Dept. of Sociology, Cornell University, Ithaca, N.Y. 14850.
- REITERMAN, DR. CARL. b. Palo Alto, Calif. June 18, 21; m. 64; c. 3. SOCIOLOGY, DEMOGRAPHY. B.A., California, Berkeley, 50; M.A., 65, Ph.D. (sociol.), 68. Instr. SOCIOL., SAN FRANCISCO, 66-68; ASST. PROF., 68. Lectr., sch. pub. health, California, Berkeley, 67. mem. faculty, sch. med., California, San Francisco, 70. Int. Union Sci. Study Pop. Soc. Am. Pop. Assn. Am. Birth control; population policy; population control; human ecology; urban sociology and demography. Publ: Birth-control policies and practices in fifty-eight California county welfare departments, Planned Parenthood, Alameda County, Calif., 66; co-auth. Population readings, Macmillan, 70; auth. Birth control and Catholics, J. Sci. Study Relig., 65. Address: Dept. of Sociology, University of San Francisco, San Francisco, Calif. 94117.
- REITMAN, PROF. WALTER R(ALPH). Psychology. See L-Z Vol, 11th ed, Soc. & Behav. Vols. New position: Prof. psychol. & prof. comput. & commun. sci., University of Michigan, 205 N. Forest Ave., Ann Arbor, Mich. 48104.
- REMECK, DR. PETER P. International Relations. See L-Z Vol, 11th ed, Soc. & Behav. Vols. New information: Also chmn., 69. Dept. of Political Science, Fordham College, Rose Hill Campus, Bronx, N.Y. 10458.
- REMEDI, QUENTIN (ROBERT). Statistics. See L-Z Vol, 11th ed, Soc. & Behav. Vols. New position: Spec. asst. planning & prog. coord., Off. Asst.

- Secy. Health & Sci. Affairs, Dept. Health, Ed. & Welfare, 68- Address: 18 Wynkoop Court, Bethesda, Md. 20034.
- REMMERS, DR. H(ERMANN) H(ENRY). Educational Psychology. See 11th ed, Soc. & Behav. Vols, deceased 69.
- REMY, DR. JOAN HOLDEN, b. Utica, N.Y., July 3, 24. CLINICAL PSYCHOLOGY. A.B. Syracuse, 47; Ph.D.(clin. psychol.), Adelphi, 60. Asst. soc. work, Adelphi, 50-51; intern clin. psychol. psychiat. inst. sch. med. Maryland, 55-56, asst. med. psychol. 56-58; staff psychologist, N.Y. State Dept. Ment. Hyg. Marcy State Hosp, 61-63; asst. instr. psychiat. & staff psychologist, N.Y. Med. Col, 63; STAFF PSYCHOLOGIST, N.Y. State Dept. Ment. Hyg. Marcy State Hosp, 61-63; Children's Unit, Buffalo State Hosp, N.Y., 66-68; N.Y. STATE DEPT. MENT. HYG. MARCY STATE HOSP, 68- Lectr. community & church groups & seminars, St. John Vianney Sem, 65-67; police sci. prog, Mohawk Valley Community Col, 69- Soc. worker, dept. ment. hyg. Pilgrim State Hosp, Brentwood, N.Y., 50-51; staff psychologist, Metrop. Hosp, N.Y., 63. Consult, Hagerstown Ment. Health Clin, Md, summer 67. Psychol. Assn. Training of youth rehabilitation personnel; police science; rehabilitation of psychiatric population. Publ: Possessiveness and punishment: one mother-son relationship. Psychiat. Quart, 1/64 & Growth in child and attendant: a program of constructive interaction. Psychiat. Quart. Suppl, Part 1: 151-161. Address: Marcy State Hospital, Box 44, Marcy, N.Y. 13403.
- RENAUD, DR. BERTRAND M., b. Argentat, France, Dec. 28, 39; m. 67; c. 1. ECONOMICS. Ingenieur. Nat. Inst. Agron, Paris, 62; M.S. California, Berkeley, 64, Ph.D.(agr. econ), 66. Res. asst. AGR. ECON, California, Berkeley, 63-66; ASST. PROF. HAWAII, 68- U.S.A., 67-68. Economet. Soc. Assn. Res. regional and urban economics; econometrics; industrial organization; agricultural economics. Publ: The impact of economic growth on the trade structure of an island economy, Hawaii, 70. Address: 1986 Halekoa Dr, Honolulu, Hawaii 96821.
- RENEAU, DR. JOHN. Audiology. Speech Pathology. See Suppl. V to 11th ed, Phys. & Biol. Vols.
- RENFER, DR. MARY EMMA F., b. Dallas, Tex., Jan. 23, 14; m. 35; c. 3. PSYCHOLOGY. B.A. Wheaton Col, 35; Texas, 47; Basel, 58; M.A., Southern Methodist, 59; Ph.D.(psychol.), Southern California, 66. Teacher, Tustin Union High Sch, 61-63; ASST. PROF. PSYCHOL. & COUNSELOR, ORANGE COAST COL, 63- Ed. Res. Assn. Psychol. Assn. Predicting success in the study of descriptive linguistics; personality and need differences between successful and unsuccessful junior college students; adjustment levels of students with and without religious affiliation. Address: 10642 Newport Ave, Santa Ana, Calif. 92705.
- RENNE, DR. R(OLAND) R(OGER). Agricultural Economics. See L-Z Vol, 11th ed, Soc. & Behav. Vols. New position & address: Prof. & assoc. dean agr. econ, 69- College of Agriculture, University of Illinois, 305 Mumford Hall, Urbana, Ill. 61801.
- RENT, DR. GEORGE SEYMOUR, b. Brockton, Mass., Jan. 29, 43; m. 66; c. 1. SOCIOLOGY. B.A. Marietta Col, 64; Ford Found. fel, Delaware, 64-65, M.A., 66; Nat. Defense Ed. Act, Fel. Sta. 67-68, Ph.D.(sociol.), 68. ASST. PROF. SOCIOLOGY, Western Carolina, 68-70; CLEMSON, 69- Soc. Assn. Human ecology of urban areas; stratification; population. Publ: A contemporary migrant group: the Puerto Ricans of Wilmington, Delaware, Univ. Delaware, 66. Address: Dept. of Social Science, Clemson University, Clemson, S.C. 29631.
- RENTEL, DR. VICTOR MICHAEL. Psychology. Education. See L-Z Vol, 11th ed, Soc. & Behav. Vols. New position & address: Asst. prof, 70-, Early & Middle Childhood, Ohio State University, Columbus, Ohio 43210.
- RENWICK, DR. FRED BLACKWELL. Finance. See L-Z Vol, 11th ed, Soc. & Behav. Vols. New position: Assoc. prof, finance, 68- Graduate School of Business Administration, New York University, 100 Trinity Place, New York, N.Y. 10006.
- RESHAUR, DR. KENNETH M. Political Science. See L-Z Vol, 11th ed, Soc. & Behav. Vols. Political Science. New position & address: Assoc. prof, 69-, Dept. of Political Science, University of Manitoba, Winnipeg 19, Man, Can.
- RESNIK, DR. JEROME H(OWARD), b. New York, N.Y., Mar. 13, 36; m. 62; c. 2. CLINICAL PSYCHOLOGY. B.A. City Col. New York, 57; M.A., Missouri, 59; U.S. Pub. Health Serv. fel, Syracuse, 59-60, 61-62 & 63-64, Ph.D. (psychol.), 64. Asst. prof. PSYCHOL. TEMPLE, 64-69, ASSOC. PROF. 68- Consult. psychologist, Assn. Jewish Children, Phila, 66-; pub. schs, N.J., 67-; Baptist Children's House, Phila, 69- Psychol. Assn. Verbal operant conditioning; anxiety; under-achievement; behavior theory; smoking behavior; delinquency; effects of experimenter-subject similarity on experimental outcome. Publ: The effects of stimulus satiation on the overlearned maladaptive response of cigarette smoking, 68 & co-auth. Experimental prevention of underachievement among intelligent impulsive college students, 70, J. Consult. & Clin. Psychol.; auth. Effects of switching conditions of threat on high and low anxious subjects midway through verbal conditioning, J. Personality, 70. Address: Dept. of Psychology, Temple University, Philadelphia, Pa. 19122.
- RESNIK, DR. HARVEY L(EWIS) P(AUL), b. Buffalo, N.Y., Apr. 6, 30; m. 64. PSYCHIATRY, PSYCHOANALYSIS. B.A., Buffalo, 51; M.D., Columbia, 55, cert. med. hypnosis & marriage counseling, Pennsylvania, 62; cert. group ther. Del. Valley Group Psychother. Inst, 62; cert. psychoanal. Phila. Psychoanal. Inst, 67. Assoc. prof. psychiat. & assoc. chmn. SCH. MED. STATE UNIV. N.Y. BUFFALO, 67-68, PROF. PSYCHIAT. & DEP. CHMN, 68-; DIR. PSYCHIAT. E.J. MEYER MEM. HOSP. BUFFALO, 68- clin. dir, 67-68. Charles W. Burr res. prize, Phila. Gen. Hosp, 56. Consult. Ment. Health Assn. Southeast. Div. spec. ment. health prog. N.Y. Inst. Ment. Health, 67-; chief, center studies suicide prev. Nat. Inst. Ment. Health, 69.
- Med.C., U.S.A.F., 57-59, Capt. AAAS; Am. Med. Assn.; Psychiat. Assn.; Int. Soc. Criminol.; Int. Assn. Suicide Prev.; Group Psychother. Assn.; N.Y. Acad. Sci. Suicide, including prevention programs, diagnosis and management of suicidal and depressed individuals; criminal sexual offenders, especially pedophiles. Publ: Suicidal behaviors: diagnosis and management, 68 & Treatment of the sexual offender, 70, Little; Observations on marriage counseling, family life and sexual education in medical curricula, Int. Marital counseling: psychology, ideology, science, C.C. Thomas, 67. Address: National Institute of Mental Health, 5454 Wisconsin Ave, Chevy Chase, Md. 20015.
- RESNIKOFF, DR. HOWARD L. Mathematics, Linguistics. See Suppl. V to 11th ed, Phys. & Biol. Vols.
- RETHLINGSHAFFER, PROF. D(OROTHY). Psychology. See 11th ed, Soc. & Behav. Vols, deceased 69.
- RETTIG, DR. RAYMOND BRUCE, b. Crowell, Tex., Sept. 8, 40; m. 65; c. 2. ECONOMICS. B.A., Montana, 62; M.A., Northwestern, 64; Ph.D.(econ), Washington (Seattle), 69. ASST. PROF. AGR. ECON, OREGON STATE, 68- Econ. Assn.; Agr. Econ. Assn. Theory of productivity change; regional economic growth; public policy in the marine resource industries; multiple use conflicts in the Coastal Zone. Address: Dept. of Agricultural Economics, Oregon State University, Corvallis, Ore. 97331.
- REUTENER, DR. DONALD BALDWIN, JR., b. Cleveland, Ohio, Sept. 11, 38. EXPERIMENTAL PSYCHOLOGY. A.B., Oberlin Col, 60; M.A., Ohio State, 67, Ph.D.(psychol.), 69. ASST. PROF. PSYCHOL. SMITH COL, 69- U.S.N., 60-63, Lt. Organization and encoding in short-term memory; transfer of the partial reinforcement effect. Address: Dept. of Psychology, Smith College, Northampton, Mass. 01060.
- REVIS, DR. JOSEPH (SUMNER). Economics. See L-Z Vol, 11th ed, Soc. & Behav. Vols. New information: Independent econ. & transport consult, 69-, Address: 9905 Woodland Dr, Silver Spring, Md. 20902.
- REXROAD, DR. WALLACE WARREN, b. Wewoka, Okla., Dec. 17, 27; m. 56; c. 3. PSYCHOLOGY, SPECIAL EDUCATION. B.A., Oklahoma, 52, M.Ed., 58, Ph.D.(spec. ed), 68. Spec. instr. child develop, 62; M.A., 59-62; asst. prof. PSYCHOL. SOUTHEAST MO. STATE COL, 62-67, ASSOC. PROF. 67- U.S.N., 46-47, AAAS; Psychol. Assn.; Coun. Except. Children. College instruction at undergraduate and graduate levels; coordinating program of student volunteers for mental health work; development and testing of instructional techniques and materials. Address: Dept. of Psychology, Southeast Missouri State College, Cape Girardeau, Mo. 63701.
- REYNOLDS, DR. CLARK G(ILBERT). Modern American & Military History. See 5th ed, Dir. Am. Scholars, Vol. I, Hist.
- REYNOLDS, DR. DAVID R(ED). Human Geography. See L-Z Vol, 11th ed, Soc. & Behav. Vols. New position: Assoc. prof, 69-, Dept. of Geography, University of Iowa, Iowa City, Iowa 52240.
- REYNOLDS, DR. EDWARD N., b. Oberlin, Ohio, Sept. 18, 39. SOCIAL PSYCHOLOGY. A.B., Oberlin Col, 62; M.S. Case West. Reserve, 64 & 65, Ph.D., 67, Ph.D.(psychol.), 69. ASST. PROF. PSYCHOL. SMITH COL, 69- U.S.N., 60-63, Lt. Organization and encoding in short-term memory; transfer of the partial reinforcement effect. Address: Dept. of Psychology, Smith College, Northampton, Mass. 01060.
- REYNOLDS, DR. HORACE N(ORTHUP) JR., b. Newark, N.J., Mar. 17, 41; m. 65. EXPERIMENTAL PSYCHOLOGY. B.S. Indus., 62; M.A., 63, Ph.D.(exp. psychol.), 67. Instr. exp. psychol., Cornell, 65-66; RES. PSYCHOLOGIST, Aerospace Med. Res. Lab, Wright-Patterson Air Force Base, Ohio, 66-69; CYBERNET. RES. INST., 69- U.S.A.F., 66-69, RES., 69-, Capt. AAAS; Psychol. Assn. Visual perception; human factors engineering; neuropsychology. Publ: Temporal estimation in the perception of occluded motion. Perceptual & Motor Skills, 26: 407-416; co-auth. The effects of color of instrument lighting on absolute and acuity thresholds with exposure to a simulated instrument panel, 39: 1304-1309 & auth. Visual perception beyond the atmosphere, 40: 615-621, Aerospace Med. Address: Cybernetics Research Institute, 2233 Wisconsin Ave. N.W., Washington, D.C. 20007.
- REYNOLDS, DR. JOHN BRADLEY. Experimental Psychology, Biomedical Science. See Suppl. V to 11th ed, Phys. & Biol. Vols.
- REYNOLDS, DR. RICHARD J(OHN), b. Binghamton, N.Y., Jan. 26, 34; m. 58; c. 3. EDUCATIONAL PSYCHOLOGY. B.A., Binghamton, 55; M.S., Ed. Elmhurst, 61; Minnesota, 63-64; Ed.D.(ed. psychol.), State Univ. N.Y. Albany, 68. Teacher, high schs, N.Y., 55-63; couns., Mohawk Valley Community Col, 64-65; ASST. PROF. STATIST. GEORGIA, 67-70; STATE UNIV. N.Y. BINGHAMTON, 70- Psychol. Assn.; Ed. Res. Assn.; Nat. Coun. Measurement in Ed. Cognitive development in younger disadvantaged children. Publ: Co-auth. Effects of input on the reading process, 69 & The effect of reading and punctuation conditions upon reading comprehension, 70, J. Reading Behav.; auth. Typology as a moderating variable in success in science, Psychol. Reports, 70. Address: 130 Leroy St, Binghamton, N.Y. 13905.
- REYNOLDS, DEAN WILLIAM HOWARD. Marketing. Business Administration. See L-Z Vol, 11th ed, Soc. & Behav. Vols. New position & address: Dean, 68-, School of Business Administration, Wayne State University, Detroit, Mich. 48202.
- REZLER, DR. AGNES G. Educational Psychology, Counseling. See L-Z Vol, 11th ed, Soc. & Behav. Vols. New position: Asst. assoc. Center Study Med. Ed., Illinois, Chicago, 69- Address: 22W765 Tamarack Dr, Glen Ellyn Woods, Ill. 60137.
- RHINE, DR. LOUISA E., b. Sanborn, N.Y., Nov. 9, 91; m. 20; c. 4. PSYCHOLOGY. B.S., Chicago, 19, M.S., 21, Ph.D., 23. Instr. plant. microchem. Chicago, 21-23; bot. Duke, 23-29, RES. ASSOC. PARAPSYCHOL., parapychol. lab, 52-65; FOUND. RES. ON NATURE OF MAN, 65- Co-ed. J. Para-

- psychol. 56- Parapsychol. Assn. Parapsychology. Publ: Hidden channels of the mind, Sloane, 61; ESP in life and lab, tracing hidden channels, 68 & Mind over matter, the story of PK research, 70, Macmillan. Address: College Station, Durham, N.C. 27708.
- RHINEHART, DR. JESSE BATTLE. Psychology. See L-Z Vol. 11th ed, Soc. & Behav. Vols. New position: Chief psychologist, Unit I, Vet. Admin. Hosp., Coatesville. Address: 2314 E. Kings Highway, Coatesville, Pa. 19320.
- RHOADS, DR. JAMES BERTON. United States Political History. See 5th ed, Dir. Am. Scholars, Vol. I, Hist.
- RHOLL, DR. KEITH NORRIS. b. Lake Mills, Iowa, July 20, 17; m. 44; c. 2. SOCIOLOGY. B.A. Hamline, 49; S.T.B. Boston, 51; Redlands, 53-57; Ph.D. (sociol.), Southern California, 68. Youth worker, Morgan Mem. Church of all Nations, Boston, Mass. 47-49; pastor, Parker St. Methodist Church, Lawrence, 49-51; S. Hempstead Community Church, N.Y. 51-53; First Congregational Church, Rialto, Calif. 53-58; asst. dir. dept. counseling, Am. Inst. Family Rel. 57-65; ASST. PROF. SOCIOLOGY, WHITTIER COL., 65-; COUNSELOR, PETERSON-GUEDEL FAMILY CENTER, 65-; Counselor, 56-65; lectr., Southern California, 63-65. Sociol. Assn. Nat. Coun. Family Rel. Role theory in marriage and family relationships, and in the sociology of occupations. Address: Dept. of Sociology, Whittier College, Whittier, Calif. 90608.
- RICE, PROF. CHARLES EDGAR. Psychology. See L-Z Vol. 11th ed, Soc. & Behav. Vols. New position: Prof. psychol., Kenyon Col., 69- New publ: Ed. Behavior & psychology, Appleton, 68. Address: Dept. of Psychology, Kenyon College, Gambier, Ohio 43022.
- RICE, PROF. GEORGE HALL, JR. b. Freeport, Tex. Nov. 17, 23; m. 51; c. 2. BUSINESS ADMINISTRATION. B.S. Texas A&M, 50; M.B.A. Denver, 58; Sloan, Nat. Sci. Found. & univ. fcls, Stanford, 60-64, Ph.D. (bus. admin.), 64. Appln. engr. apparatus, Westinghouse Elec. Corp., 50-58; sys. engr., Martin Co., 59; assoc. prof. BUS. ADMIN., Calif. State Col. Hayward, 63-64; TEXAS A&M, 64-68, PROF., 68-; HEAD DEPT. MGT., 65- U.S.A.F. 43-46, Res. 46-49; U.S.A.R. 49-; Maj. Effect of organization structure on employee and manager attitudes, role expectations, maturation, innovation and the organization's economic and social efficiency. Publ: Co-auth. Conceptual models of organization, Appleton, 70; auth. Interaction review, Personnel J., 66 & Preferences among information sources under conditions of uncertainty, Bus. Studies, 67. Address: Dept. of Management, Texas A&M University, College Station, Tex. 77843.
- RICE, DR. JAMES A. b. La Grange, Mo. July 16, 28; m. 54; c. 2. PSYCHOLOGY. M.A. Iowa, 66, Ph.D. (ed. psychol.), 67. Sch. psychologist, hosp. sch., Iowa, 64-65, res. psychologist, 66-67; ASSOC. PROF. PSYCHOL., HOUSTON, 67- Private practice, Houston, Tex. 67- U.S.A.R. 52-54, 1st Lt. Standardization, reliability and validity for instruments to assess perceptual-motor functioning. Publ: Form equivalence analysis of the revised visual retention test, J. Psychol., 68; 159-163; Right-left discrimination: systematic reversal in bright children, 68 & Confusion in laterality: a validity study with bright and dull children, 69, J. Learning Disabilities. Address: Dept. of Psychology, University of Houston, Houston, Tex. 77004.
- RICE, DR. LAURA (NORTH). Psychology. See L-Z Vol. 11th ed, Soc. & Behav. Vols. New position & address: Assoc. prof., 68-; Dept. of Psychology, York University, Toronto 12, Ont., Can.
- RICE, DEAN PHILIP M. History. See 5th ed, Dir. Am. Scholars, Vol. I, Hist.
- RICE, DR. ROGER REID, b. Muskegon, Mich. July 6, 37; m. 59; c. 3. SOCIOLOGY. A.B. Calvin Col., 59; M.A. Mich. State, 62; Ph.D. (sociol.), 68. Asst. Instr. social, Mich. State, 62-64; instr. Calvin Col., 64-66, asst. prof., 66-69; ASST. PROF. SOCIOLOGY & RES. ASSOC. POP. RES. LAB., SOUTHERN CALIFORNIA, 69- Consult. Community Action Prog. Kent County United Community Serv. 65-67. Sociol. Soc. Pop. Assn. Am. Rural Sociol. Soc. Demography, especially fertility, migration and population composition: human ecology, urban and rural sociology: social problems. Publ: Co-auth. Michigan population, 1960; selected characteristics and changes, Agr. Exp. Sta. Mich. State Univ., 62; Selected factors related to county migration patterns in North Central states, 1940-1950, 1950-1960, Quart. Bul. Agr. Exp. Sta. Mich. State Univ., 9/63 & Some demographic characteristics of rural youth in rural youth in crisis, Nat. Cnt. Children & Youth, 64. Address: Dept. of Sociology & Anthropology, University of Southern California, Los Angeles, Calif. 90007.
- RICE, DR. STUART (ARTHUR). Statistics. See 11th ed, Soc. & Behav. Vols. deceased 69.
- RICH, DR. MAYNARD L. b. Donovan, Ill. Apr. 8, 29; m. 53; c. 3. PSYCHOLOGY, THEOLOGY. B.S. Indiana State, 47; M.S. 54; B.D. Drew, 54, Ph.D. (psychol.), 69; Texas, 58-60; Danforth Found. fel. Columbia, 65. Lab. technician, Morristown Mem. Hosp., 51-54; sec. pastor, Campus Christian Community Church, Southwest Texas State, 54-63; assoc. prof. psychol. & religion, Montclair State Col., 65-68; prof. psychol., Newark State Col., 69; PROF. PSYCHOL., CHMN. DEPT. & DIR. COUNSELING CENTER, CATAWBA COL., 69- Secy. Nat. Assn. Col. & Univ. Ministers, 56-62; grants, Danforth Found., 57, 63-65 & Tex. Methodist Student Movement Year of Study, 63-64; Bishop Baker award, 64-65; asst. prof. Hood Theol. Sem., 69. Psychol. consult., Centenary Col., 68-69; personnel mgt. consult., 69. Psychol. Assn. Marriage and family counseling; psychotherapy; group therapy; theology; behavior modification with operant conditioning; existential psychology. Address: Dept. of Psychology, Catawba College, Salisbury, N.C. 28144.
- RICH, DR. ROSEMARY, b. Union City, Ohio, Dec. 23, 20. EXPERIMENTAL CHILD PSYCHOLOGY. B.A. Ball State, 42; Johns Hopkins Hosp. Sch. Nursing, 42-45; M.A. Chicago, 55; Ph.D. (exp. child psychol.), Iowa, 64. Instr. chem. & phys. sch. nursing, Johns Hopkins Hosp. 48-49, head nurse, outpatient dept., 47-48, instr. & superv. nursing, 49-53; from instr. to asst. prof. NURSING, col. nursing, Illinois, 55-58; res. assoc. col. nursing, Wayne State, 59-61; asst. prof., FRANCES PAYNE BOLTON SCH. NURSING, CASE WESTERN RESERVE, 64-67, ASSOC. PROF., 67- Consult. nursing staff, Vet. Admin. Hosp., Cleveland, Ohio, 66-; cent. off. fel. Admin. D.C., 67. Nurse C. U.S.A. 45-47, 1st Lt. Psychol. Assn. Sensory deprivation of hospitalized patients: the use of biotelemetry in the care of patients; microcirculation in human skin. Publ: Co-auth. Patient rating scale, 62 & Suitability of the subjective stress scale for hospitalized patients, 69, Nursing Res.; Suggestions for the care of eye surgery patients who experience reduced sensory input, Appleton, 67. Address: Frances Payne Bolton School of Nursing, Case Western Reserve University, 2121 Abington Rd., Cleveland, Ohio 44106.
- RICH, PROF. STUART U. b. Greenfield, Mass. Sept. 15, 20; m. 51; c. 3. MARKETING. B.A. Wabash Col., 42; M.B.A. Harvard, 50, Fel. Reserve Bank of Boston grant, 59-60, D.B.A. 60. Instr. mgt., Boston, 50-54, asst. prof. Tufts, 54-59, M.KT. Harvard, 60-63; assoc. prof. OREGON, 63-66, PROF., 66- Ford Found. grant, 61. U.S.N. 42-46, Lt. Mgt. Assn. Forest Prod. Res. Soc. Industrial marketing; consumer behavior; marketing of forest products. Publ: Shopping behavior of department store customers, Harvard Bus. Sch. 63; Product policies of nonintegrated New England paper companies, Fed. Reserve Bank of Boston, 63; Marketing of forest products: text and cases, McGraw, 70. Address: Dept. of Marketing, School of Business Administration, University of Oregon, Eugene, Ore. 97403.
- RICHARD, DR. SANDRA, b. Athens, Tex. MANAGEMENT, BUSINESS ADMINISTRATION. B.B.A. Texas, 58, M.B.A. 59, Am. Assn. Univ. Women fel., 64-65, Ph.D. (mgt.), 66; Fulbright grant, Pakistan, 62-63. With, Mathes Mfg. Co. Athens, Tex., summer 58; instr. mgt. & statist., American Univ. Beirut, 59-61; ASST. PROF., Haile Selassie, 65-66; Indust. mgt. & statist., Missouri, St. Louis, 66-67; MGT. & QUANTITATIVE METHODS, AMERICAN UNIV. BEIRUT, 68- Consult. UN Indust. Develop. Org., Vienna, summer 68. Acad. Mgt. Soc. Adv. Mgt. Comparative management: managerial problems and practices in third world countries and development of managerial resources in those countries. Publ: Co-auth. Equipment replacement policies among selected Texas banks, Bur. Bus. Res. Univ. Tex., 60; auth. Development of managerial resources for industrializing countries, Adv. Mgt. J., 7/65: A view of Pakistan's industrial development, Asian Survey, 12/65. Address: Dept. of Business Administration, American University of Beirut, Beirut, Lebanon.
- RICHARD, DR. WAYNE CAMMER, b. Winchester, Va. Nov. 28, 34; m. 59; c. 3. CLINICAL PSYCHOLOGY. B.S. Va. Polytech, 56, M.S. 57; M.A., George Peabody Col., 63, Ph.D. (clin. psychol.), 66. Chem. process design engr., Union Carbide Chem. Corp., 57-61; res. asst. ment. retardation, George Peabody Col., 61-63, psychol. asst., 63-64, asst. prof. spec. ed., 66-68; intern. clin. psychol., Univ. Florida, 68; superv. psychol. & ed. res. State Dept. Ed. Tenn. 68; ASST. PROF. spec. ed., FLORIDA, 68-70, CLIN. PSYCHOL. & SPEC. ED., 70- Res. psychologist, Nashville Ment. Health Center, summer 68. AAAS; Coun. Except. Children; Psychol. Assn. Development of self concept in children's relationships between self concept and philosophy of human nature and personal adjustment; process of social change in groups. Publ: Co-auth. Attitudes and attitude change in guidance institute participants, Couns. Ed. & Supp. 66, Searching behavior in the retardate as a function of exposure time and matrix size, Am. J. Ment. Deficiency & The alteration of intellectual performance after lateralized brain-injury in man, Psychonomic Sci., 67. Address: Dept. of Clinical Psychology, University of Florida Teaching Hospital, Gainesville, Fla. 32601.
- RICHARDS, DR. JAMES OLIN. British & Modern European History. See 5th ed, Dir. Am. Scholars, Vol. I, Hist.
- RICHARDSON, DR. D. W. b. Baltimore, Md. Mar. 17, 43. FINANCE, ECONOMICS. B.S. Fla. State, 63, M.B.A. 64, Ford Found. fel. & Ph.D. (finance), Texas, Austin, 68. Lectr. finance, Fla. State, 65; financial analyst, Martin-Marietta Corp., summer 65; instr. finance, Texas, Austin, 65-67; asst. prof. finance & assoc. prof. econ. ST. EDWARD'S, 67-69, EXEC. V. PRES. & CHIEF FINANCIAL OFFICER, 69- Res. assoc. econ. bur. bus. res. Texas, Austin, summers 66 & 68. Consult. Republican Party & Republican Party's Task Force on Human Rights & Responsibilities, 67-; Am. Bankers Assn. 69- Econ. Assn.; Finance Assn.; Mgt. Assn. Long range planning; application of technology; commercial banking; monetary cybernetics. Publ: Electronic money: evolution of an electronic funds transfer system, M.I.T., 70; co-auth. Innovations in the banking industry, Bur. Bus. Res. Univ. Tex. (in prep). Address: 505 W. Seventh St., Apt. 101, Austin, Tex. 78701.
- RICHARDSON, DR. DAVID (ONNER). Philosophy. See 5th ed, Dir. Am. Scholars, Vol. IV, Philos. Relig. & Law.
- RICHARDSON, DR. HERBERT WARREN. Theology. See 5th ed, Dir. Am. Scholars, Vol. IV, Philos. Relig. & Law.
- RICHARDSON, PROF. IRVINE. Bantu Languages, Sociolinguistics. See 5th ed, Dir. Am. Scholars, Vol. III, For. Lang. Ling. & Philol.
- RICHARDSON, PROF. JACK. Psychology. See L-Z Vol. 11th ed, Soc. & Behav. Vols. Change of address: 1016 Beechwood Lane, Vestal, N.Y. 13850.
- RICHARDSON, DR. JAMES T(ROY), b. Charleston, S.C. May 25, 41; m. 66. SOCIOLOGY, RELIGION. B.A. Tex. Tech. Col., 64, M.A. 65; Ph.D. (sociol.), Washington State, 68. Instr. SOCIOLOGY, Tex. Tech. Col., 65-68; ASST. PROF. NEVADA, 68- AAAS; Sociol. Assn. Social psychology attitudes and behavior, power and leadership; sociology of religion, institutional change and social psychology of religious innovators. Publ: Influence attempts and effective power, Sociometry; co-auth. Differentiation, restraint, and the asymmetry of power, Human Rel. & Sources of consistency of political opinion, Am. J. Sociol. Address: Dept. of Sociology, University of Nevada, Reno, Nev. 89507.
- RICHARDSON, PROF. J(AMES) T(ULL). Sociology. See L-Z Vol. 11th ed, Soc. & Behav. Vols. New position: Prof. sociol., Univ. Kentucky, Ashland Center, 69- Address: 1415 Morris Court, Huntington, W.Va. 25701.

- RICHARDSON, DR. STEPHEN A.(LEXANDER). Sociology. See L-Z Vol. 11th ed, Soc. & Behav. Vols. New position & address: Vols. prof., 69, Dept. of Pediatrics & Community Medicine, Albert Einstein College of Medicine, 1300 Morris Park Ave, New York, N.Y. 10461.
- RICHARDSON, DR. WILLIAM KIRK, b. Lexington, Ky, Jan 18, 43; m. 66. EXPERIMENTAL PSYCHOLOGY. B.S. Kentucky, 65, NASH let, 66, Nat. Sci. Found. let. & M.S. 67, Ph.D.(exp. psychol), 69. ASST. PROF. EXP. PSYCHOL. Eastern Kentucky, 69-70; GEORGIA STATE, 70. Stimulus control. Publ: Co-ath, Simulated gravity: the aversive stimulus in an escape and punishment. *Eng. Psychol.*, 69 & A test of the independence of the approach and avoidance gradients. *Psychonomic Sci.*, 67. Address: Dept. of Psychology, Georgia State University, Atlanta, Ga. 30303.
- RICHMAN, DR. ALEX. Psychiatry, Epidemiology. See Suppl. V & VI to 11th ed, Phys. & Biol. Vols.
- RICHMAN, PROF. BARRY M., b. Montreal, Que, Mar. 18, 36; m. 60; c. 2. MANAGEMENT, INTERNATIONAL BUSINESS. B.Com, McGill, 58; M.S., Columbia, 59, Ph.D., 62, bus. admin. Mgr. planning. Air Can, 58-59; lectr. mgt. & mkt. Columbia, 60-62; PROF. MGT. IN, BUS. ECON. DEVELOP., CALIFORNIA, 62-63. Vrs. prof, Mass. Inst. Tech. & Indian Inst. Mgt, Calcutta, 65-66; Ford Found, grant, 66-68; dir, Int. Mkt. Consults, Inc, 66 - Consult, Indian Govt, 65-66; Birla Indus, India, 66-68; U.S. State Dept, 69-70; consult ed, Random House & Alfred A. Knopf, 67-68; Asst. Dir., Soc. Indus. Indus. management; economic development. Publ: Soc. management with significant American comparisons, Prentice-Hall, 65; co-auth, International business, Irwin, 66; auth, Industrial society in Communist China, Random, 69. Address: Dept. of Management & International Business, Graduate School of Business Administration, University of California, Los Angeles, Calif. 90024.
- RICHMOND, DR. ANTHONY (HENRY). Sociology. See L-Z Vol. 11th ed, Soc. & Behav. Vols. Change of address: Dept. of Sociology, York University - Downsview, Toronto, Ont, Can.
- RICHMOND, DR. DAVID M(ILES) (HUME), b. Doniphan, Mo, Aug. 5, 29; m. 51; c. 7. SOCIOLOGY. A.B. Washington (St. Louis), 51; B.D. Austin Presby. Theol. Sem.(Tex.), 54; Texas, Austin, 61-62; Nat. Inst. Ment. Health let, 65-66; 67-68, Ph.D.(sociol), 68. Instr. relig. Tex. Tech. Col, 55-57, chmn. dept, 57-61; Instr. SOCIOLOGY, Houston, 62-63; asst. prof, Sam Houston State Col, 63-65; Pittsburgh, 67-68; ASSOC. PROF. STATE UNIV. N.Y., OSWEGO, 68. CHMN. DEPT., U.S.A., 51, Lt. Am. Sociol. Assn; Soc. Sci. Study Relig.; Can. Sociol. & Anthropol. Assn. Social scientific research methodology; sociological theory; sociology of religion. Publ: Co-auth, The relationship between poverty and educational deprivation, U.S. Dept. Health, Ed. & Welfare, 8/68; auth, On the alleged increases in U.S. criminality: a critical method of evaluation of crime statistics, Dialogue, winter 67. Address: Dept. of Sociology & Anthropology, State University of New York at Oswego, Oswego, N.Y. 13126.
- RICHTER, DR. JOSEPH J., b. Brestovac, Yugoslavia, Feb. 10, 20; Can. citizen, m. 54; c. 2. AGRICULTURAL ECONOMICS. Ph.D.(agri. econ), Graz, 47. Secy-gen, Refugee Orgn, Austria, 49-53; teacher pub. sch, 56-57; lectr. econ. & agr. econ, British Columbia, 57-58; instr, 58-59, asst. prof, 59-61, assoc. prof, 62-65; sr. economist, Spartan Air Serv, Ottawa, 66; ed. specialist, Food & Agr. Orgn. of UN, Rome, 66-69; PROF. AGR. ECON, ALBERTA, 70 - Consult, Can. Coun. 64. Am. Agr. Econ. Assn; Rural Sociol. Assn; European Soc. Rural Sociol; Int. Assn. Agr. Econ; Agr. Inst. Can; Can. Agr. Econ. Soc.(ed, Can. J. Agr. Econ, 65-66). Economics of agricultural production and marketing; international trade; agricultural price policy and marketing legislation; history of agriculture and agricultural economics; rural sociology and welfare problems; education planning and finance. Address: 9035 138th St, Edmonton, Alta, Can.
- RICKABAUGH, DR. CAREY G. Political Science. See L-Z Vol. 11th ed, Soc. & Behav. Vols. New position: Asst. prof. polit. sci, Bradley, 68 - Address: 529 Timber Ridge Dr, Peoria, Ill. 61614.
- RICKER, DR. RALPH ROSS. History, Political Science. See Suppl. I to 5th ed, Dir. Am. Scholars.
- RICKERS-OVSIANKINA, DR. M(ARIA) A. Psychology. See L-Z Vol. 11th ed, Soc. & Behav. Vols. New information: Dir. prof. training para-prnls. as psycho-soc. rehab. workers, Center for Training in Community Psychiat. & Ment. Health Admin, 67 - Address: Womens Faculty Club, University of California, Berkeley, Calif. 94720.
- RICKERT, DR. EDWARD (JOSEPH), b. Houston, Tex, July 24, 36; m. 58; c. 4. PSYCHOLOGY. B.A. New Mexico, 60, M.S. 63, univ. let, 66-67; Ph.D.(psychol), 68. Prog-writer, Gen. Programmed Teaching Corp, 61-62; prog-writer supt. Teaching Mach, Inc, 62-64; res. asst. econ, New Mexico, 64-65; ASST. PROF. PSYCHOL, SACRAMENTO STATE COL, 67 - Statist. consult, Kirschner Bus. & Econ. Consult, 66; Nat. Coun. Crime & Delinquency, 67-69; res. coord, North Sacramento St. Dist, 69. A.A.A.S. Learning theory; discrimination and perceptual learning; role of response-produced stimuli on selection and initiation of behavior; problems of response definition. Publ: Auth, Role of feedback stimuli in response discrimination and differentiation, J. Exp. Psychol, 69; co-auth, Transfer of a differentiated operant, Psychonomic Sci, 69; 41-42; Role of tactual-kinesthetic feedback on speed of learning in rats with pigmented irises, Perceptual & Motor Skills, 30; 916-918. Address: Dept. of Psychology, Sacramento State College, 6000 J St, Sacramento, Calif. 95819.
- RICKS, PROF. DAVID (FRANK). Psychology. See L-Z Vol. 11th ed, Soc. & Behav. Vols. New information: Sociologist psy. Kabul, Afghanistan, 69 - Federal Home Loan Bank Board, 101 Indiana Ave. N.W., Washington, D.C. 20552.
- RICKS, DR. (RALPH) BRUCE. Business Administration. See L-Z Vol. 11th ed, Soc. & Behav. Vols. New position & address: Chief economist, 69 - Federal Home Loan Bank Board, 101 Indiana Ave. N.W., Washington, D.C. 20552.
- RIDDELL, DR. J. BARRY, b. Belleville, Ont, July 29, 40; m. 63; c. 1. GEOGRAPHY. B.A. Toronto, 63, M.A., 65; Ph.D.(geog), Pa. State, 69. ASST. PROF. GEOG, QUEEN'S (ONT), 69 - Assn. Am. Geog; Regional Sci. Assn; Can. Assn. Geog. Transport networks, structure and growth; spatial dimensions of modernization and migration. Publ: Spatial dynamics of modernization in Sierra Leone, Northwest Univ, 70; On structuring a migration model, Geog. Anal, 7/70; Network and hierarchical components of migration in developing regions, Proc. Can. Assn. Geog, 70. Address: Dept. of Geography, Queen's University, Kingston, Ont, Can.
- RIDDLE, PRES. DONALD H(USTED). Political Science. See L-Z Vol. 11th ed, Soc. & Behav. Vols. New position: Pres, John Jay Col, City Univ, N.Y. 68 - Address: 63 Deer Path, Princeton, N.J. 08540.
- RIDENOUR, DR. NINA. Psychology. See L-Z Vol. 11th ed, Soc. & Behav. Vols. Change of address: 29 Mt. Bolus Rd, Chapel Hill, N.C. 27514.
- RIDER, PROF. JOHN R. Broadcasting, Journalism. See 5th ed, Dir. Am. Scholars, Vol. II, Eng. Speech & Drama.
- RIDGINGTON, DR. WILLIAM ROBIN, b. Camden, N.J., Nov. 1, 39; m. 87; c. 2. ANTHROPOLOGY. PH.D.(SOCIOLOGY, B.A. Swarthmore Col, 62, Ph.D.(anthrop), Harvard, 67. ASST. PROF. ANTHROPO, BRITISH COLUMBIA, 67 - Can. Coun. grant, 69-70. Am. Anthropol. Assn; Can. Sociol. & Anthropol. Assn. Anthropology of experience. Publ: The medicine liget an instrument of political process among the Beaver Indians, Am. Anthropologist, 68; Kin groups vs. kin categories, Ethnology, 69. Address: Dept. of Anthropology, University of British Columbia, Vancouver 6, B.C., Can.
- RIDLEY, PROF. JEANNE CLARE. Sociology. See L-Z Vol. 11th ed, Soc. & Behav. Vols. New information: Also dir, 69 - Division of Demography, International Institute for the Study of Human Reproduction, Columbia University, 630 W. 168th St, New York, N.Y. 10032.
- RIECKEN, DR. HENRY WILLIAM. Social Psychology. See L-Z Vol. 11th ed, Soc. & Behav. Vols. New position: Pres, 68 - Social Science Research Council, 1755 Massachusetts Ave, N.W., Washington, D.C. 20036.
- RIEGLER, PROF. ROBERT. Statistics, Insurance. See L-Z Vol. 11th ed, Soc. & Behav. Vols. Change of address: Dept. of Insurance & Statistics, State University of New York at Buffalo, 4230 Ridge Lea Rd, Amherst, N.Y. 14226.
- RIEMER, PROF. NEAL. Political Science. See L-Z Vol. 11th ed, Soc. & Behav. Vols. New information: Also assoc. dean soc. sci., Coll. of Letters & Science, University of Wisconsin-Milwaukee, Milwaukee, Wis. 53211.
- RIGAS, PROF. ANTHONY L. Electrical Engineering. See Suppl. V to 11th ed, Phys. & Biol. Vols.
- RIGGAN, DR. WILSON B(UTLER). Agricultural Economics. See L-Z Vol. 11th ed, Soc. & Behav. Vols. Change of address: 3609 Westover Rd, Durham, N.C. 27707.
- RIGGS, DR. LAWRENCE (ALBERT). Personnel Administration. See L-Z Vol. 11th ed, Soc. & Behav. Vols. New position: Dir. financial aid, Col. Wooster. Address: 1715 Morgan St, Wooster, Ohio 44691.
- RIGGS, DR. RICHARD. Mathematics, Education. See Suppl. VI to 11th ed, Phys. & Biol. Vols.
- RIGHTMIRE, DR. GEORGE PHILIP, b. Boston, Mass, Sept. 15, 42; m. 66; c. 1. ANTHROPOLOGY. A.B. Harvard, 64; M.S. Wisconsin, Madison, 66, Ph.D. (human biol), 69. ASST. PROF. ANTHROPO, STATE UNIV. N.Y. BINGHAMTON, 69 - Assn. Phys. Anthropol. Physical anthropology; human biology, especially human evolution and statistics in osteology; fossil primates. Publ: The computation of Mahalanobis' generalized distance (D'), Am. J. Phys. Anthropol, 69. Address: Dept. of Anthropology, State University of New York at Binghamton, Binghamton, N.Y. 13901.
- RIGHTOR, C(HESTER) E(DWARD). Finance. See 11th ed, Soc. & Behav. Vols, deceased 69.
- RILEY, DR. GLYNDON D. b. Huntsville, Tex, Oct. 31, 29; m. 52; c. 2. SPEECH PATHOLOGY. B.A. Pepperdine Col, 52, M.A. 59; Ph.D.(speech path), Fla. State, 63. Instr. speech, Seattle Pacific Col, 56-60; ASST. PROF. SPEECH PATH, Pepperdine Col, 63-66; CALIF. STATE COL. FULLERTON, 66 - Speech path. & audiol. consult, Project Head Start, Los Angeles County, Calif, 65 - Speech & Hearing Assn; Speech Assn. Am. Suttering; language problems among children who stutter; language problems in culturally disadvantaged; diagnostic methods in speech and language. Publ: Riley articulation and language test, West. Psychol. Series, 68; The speech and hearing specialist, In: Head start in action, Parker Publ, 67. Address: Dept. of Speech Pathology, California State College at Fullerton, Fullerton, Calif. 92651.
- RILEY, DR. JOHN WINCHELL. Sociology. See L-Z Vol. 11th ed, Soc. & Behav. Vols. New position: Sr. Vpres. corp. rels, 69 - The Equitable Life Assurance of the United States, 1285 Ave. of the Americas, New York, N.Y. 10019.
- RILLING, DR. MARK F. b. July 9, 38; U.S. citizen; m. 62. EXPERIMENTAL PSYCHOLOGY. B.A. Oberlin Col, 60; M.A., Maryland, 62, Ph.D.(psychol), Texas, 64. Fel. PSYCHOL, Indiana, 64-66; ASSOC. PROF. MICH. STATE, 68 - AAAS; Psychol. Assn; Psychonomic Soc; Acoustical Soc. Am. Operant condi-

- tioning; stimulus generalization; psychoacoustics; animal psychophysics; signal detection. Address: Dept. of Psychology, Michigan State University, East Lansing, Mich. 48823.
- RIMA, PROF. INGRID H(AHNE), b. Germany, Mar. 13, 25; U.S. citizen; m. 56; c. 2. ECONOMICS.** B.A., Hunter Col. 45; fel. Pennsylvania, 45, M.A., 46, Ph.D.(econ), 52. Instr. ECON, TEMPLE, 46-53, asst. prof. 54-66, assoc. prof. 66-68, PROF. & CHMN. DEPT. 68- fel. Case, 54. Econ. Assn. Statist. Assn. Finance; public utilities; economic theory; history of economic thought; recent developments in theory. Pub. Development of economic analysis, Irwin, 67; Forum on systems management, Mark Co, 69; Readings in history of economic theory, Holt, 70. Address: Dept. of Economics, Temple University, Philadelphia, Pa. 19122.
- RIMLINGER, PROF. GASTON VICTOR.** Economics, Economic History. See L-Z Vol, 11th ed, Soc. & Behav. Vols. New position & address: Prog. adv. econ, 64-, Ford Foundation, 47 Marina, P.O. Box 2368, Lagos, Nigeria.
- RINALDO, DR. JOHN B(EACH).** Archaeology. See L-Z Vol, 11th ed, Soc. & Behav. Vols. Change of address: Colfax, Iowa 50054.
- RINDEN, DR. ROBERT W., b. Oskaloosa, Iowa, May 18, 14. POLITICAL SCIENCE.** B.A. William Penn Col. 36; M.B.A. Harvard, 38; Nat. War Col. 56-57; M.A., California, Berkeley, 65; Ph.D.(polit. sci.), Colorado, 69. For. serv. officer, U.S. Dept. State, 38-64; ASSOC. PROF. POLIT. SCI. TEMPLE BUELL COL., 69- Communist China; Chinese communism; cult of Mao Tse-tung. Pub. Co-auth, The red flag waves: guide to the Hung Chi' P'iao collection, Center Chinese Studies, California, Berkeley, 69 & Life and love in the foreign service, Am. For. Serv. Assn, 69. Address: Dept. of Political Science, Temple Buell College, Pontiac St, Denver, Colo. 80220.
- RINGER, PROF. BENJAMIN BERNARD, b. Cleveland, Ohio, Oct. 12, 20; m. 42; c. 2. SOCIOLOGY.** B.A., Ohio Univ. 42; M.A., Columbia, 43, Ph.D. (sociol), 56. Inst. on Long Island, 46-48; Nat. Res. Council, 48-51; Res. bur. appl. soc. res., Columbia, 51-54, res. assoc. 54-56; sr. study dir. soc. res., Am. Jewish Cnt, 56-64; assoc. prof. SOCIOL, HUNTER COL., 64-67, PROF. 68-, CHMN. DEPT. 66- City Univ. N.Y. grant interfaith friendships, 67-68; Am. Jewish Cnt. res. grant, 68. Res. consult, Skill Adv. Inc. N.Y., 66-67; mem, Nassau County Cmn. Drug Use & Abuse, 67-69. U.S.N.R., 43-46, Lt. Sociol. Assn Soc. Study Social Probs. Ethnic and race relations; social stratification; sociology of religion. Pub. Jews and the desegregation crisis, In: Jews in the mind of America, 66 & The edge of friendliness: a study of Jewish-Gentile relations, 67, Basic Books; co-auth, To comfort and to challenge, Univ. California, Berkeley, 67. Address: Dept. of Sociology, Hunter College, 695 Park Ave, New York, N.Y. 10021.
- RIPPEY, DR. ROBERT SAMUEL, JR.** Economics. See L-Z Vol, 11th ed, Soc. & Behav. Vols. New information: Chmn. dept. econ, Cent. Conn. State Col., 69- consult, to budget dir, State of Conn, 69- Address: Dept. of Economics, Central Connecticut State College, New Britain, Conn. 06050.
- RISKIN, DR. JULES, b. Oakland, Calif., Aug. 25, 26; m. 60; c. 2. PSYCHIATRY.** Ph.B., Chicago, 48, M.D., 54. Intern, col. med. Illinois, 54-55; psychiatrist, res. Cincinnati Gen. Hosp., Ohio, 55-58; ASSOC. DIR. MENT. RES. INST., 59-, acting dir., 68. Nat. Inst. Ment. Health res. grant co-prin. invest, Ment. Res. Inst., 61-65, prin. invest., 66-69. U.S.A., 45-46. Psychiat. Assn; Am. Med. Assn. Developing a methodology for studying whole family interaction; studying technique and theory of family therapy. Pub. Family interaction scales: preliminary report, 64, Family interaction scales: theoretical framework and method, spring 70 & Family interaction scales: discussion of methodology and substantive findings, spring 70, Archives of Gen. Psychiat. Address: Mental Research Institute, 555 Middlefield Rd, Palo Alto, Calif. 94301.
- RISTVET, DR. KAREN LEE.** Political Science, Public Administration. See VIALLE, DR. KAREN L. RISTVET, this Suppl.
- RITTER, DR. E. GENE.** Speech Pathology. See 11th ed, Phys. & Biol. Vols. & Suppl. VI.
- RITTER, DR. FREDRIC ARNOLD, b. Baltimore, Md, Dec. 30, 32; m. 60; c. 2. GEOGRAPHY.** B.S., Towson State Col. 54; A.M., Clark, 57, Ph.D.(geog), 68. Teacher, high sch, Md, 56-60; geog., Baltimore City Col. 61-64; planner natural resour., Baltimore County Off. Planning, 64-66, chief of res. urban planning, 66-68; ASSOC. PROF. GEOG., MORGAN STATE COL., 68- Exp. teacher, Nat. High Sch. Geog. Proj., 62-63. Consult, Nat. Cmn. Geog. & Afro-Am, 68- U.S.A., 56-62, S/Sgt. AAAS; Assn. Am. Geog.; Regional Sci. Assn; Geog. Soc. Nat. Coun. Geog. Ed. Recreational land uses in the city; black community in the city. Address: 1420 W. Joppa Rd, Towson, Md. 21204.
- RITTER, DR. JAMES H(ARRY).** Psychology. See L-Z Vol, 11th ed, Soc. & Behav. Vols. New information: Grad. prof. psychol. St. Marys (Tex), 67-; v-pres, Res. Assocs. Inc., 69- Address: 3603 Ticonderoga Dr, San Antonio, Tex. 78230.
- RITTER, RICHARD MADDEN.** Psychology. See L-Z Vol, 11th ed, Soc. & Behav. Vols. New position & address: Head, 68-, Dept. of Psychology, South Dakota State University, Brookings, S.Dak. 57066.
- RITTERMAN, DR. STUART I., b. Brooklyn, N.Y., May 21, 37; m. 67; c. 1. SPEECH PATHOLOGY, LINGUISTICS.** B.A., N.Y. Univ. 59; Brooklyn Col., 62-64; Ph.D.(speech path, audiol), Case Western Reserve, 68. Res. assoc. dent. ed, Case Western Reserve, 67-68; asst. prof. speech path. & dir. diagnostic serv., med. center, Oklahoma, 68-69; ASST. PROF. BEHAV. SCI. & DIR. DIAGNOSTIC SERV. IN SPEECH PATH., SOUTH FLORIDA, 69- SLP, 69- SLP, 69- res. consult, lang. prog., Pa. State, 66, consult, Soc. Crippled Children, Cleveland, Ohio, 68; Fla. Bur. Crippled Children, 69- U.S.A.R., 60-66. Speech & Hearing Assn. Psycholinguistic correlates of articulation and auditory discrimination in learning; programmed instruction in contingency management of fine manual skills. Pub. Co-auth, Instructional management in dental education, J. Nat. Soc. Programmed Instruction, 68; auth, Practice variables and speech sound discrimination, Dissertation Abstracts, 6/69; The role of practice, and observation of practice, in speech sound discrimination learning, J. Speech & Hearing Res., 3/70. Address: Speech Pathology & Audiology Clinical Lab, University of South Florida, SAI IV, Tampa, Fla. 33620.
- RITVO, DR. EDWARD R.** Psychiatry. See Suppl. V to 11th ed, Phys. & Biol. Vols.
- RIVENBARK, DR. WILBURN HARLEY, III, b. Hopewell, Va., Apr. 8, 36; m. 58; c. 3. CLINICAL PSYCHOLOGY.** A.B. Emory, 58; M.Ed., Florida, 62, Ph.D. (clin. psychol), 66. Teacher, pub. schs., Fla., 58-61; intern PSYCHOL, Cent. State Hosp., Milledgeville, Ga., 65-66; ASST. PROF., ALABAMA, 66- Psychol. consult, Northwest Ala. Rehab. Center, 66-; Sumter County Opportunity Prog. 66- AAAS; Psychol. Assn. Personality theory; psychotherapy, particularly self-disclosure and effects of subject-experimenter or client-therapist interaction; humanistic psychology. Address: P.O. Box 6142, University, Ala. 35486.
- RIVLIN, DR. ALICE MITCHELL.** Economics. See L-Z Vol, 11th ed, Soc. & Behav. Vols. New position: Sr. fel. Brookings Inst., 69- Address: 2842 Chesterfield Place, N.W., Washington, D.C. 20008.
- RIVOIRE, DR. JEANNE LOUISE.** Psychology, Child Development. See L-Z Vol, 11th ed, Soc. & Behav. Vols. Change of address: 3832 Chanson Dr, Los Angeles, Calif. 90043.
- RIVOIRE, JOHN.** Economics. See L-Z Vol, 11th ed, Soc. & Behav. Vols. New position: Mkt. ed, Chem. Week, 69- Address: 330 W. 42nd St, New York, N.Y. 10036.
- RO, DR. KONG KYUN, b. Korea, Aug. 31, 32; U.S. citizen; m. 62; c. 2. ECONOMICS.** B.A., Yale, 57, M.A., 60, Ph.D.(econ), 66; M.B.A., Chicago, 59. Res. assoc., Chicago, 62-64; Blue Cross Ins., Co. Pa., 64-66; vis. asst. prof. ECON, Pittsburgh, 66; res. assoc., Nat. Bur. Econ. Res., 67-69; asst. prof. City Col. New York, 68-69; ASSOC. PROF., CINCINNATI, 69- Korean Marine Corps, 50-54. Econ. Assn. Health economics. Pub. Patient characteristics, hospital characteristics and hospital use, Med. Care, 7-8/69; co-auth, An output approach to incentive reimbursement for hospitals, Health Serv. Res., fall 69; auth, Factors affecting hospital costs, Hosp. Ed. Res. Trust, 70. Address: Dept. of Economics, University of Cincinnati, Cincinnati, Ohio 45219.
- ROACH, DR. ARTHUR JAMES, JR.** Counseling, Educational Psychology. See L-Z Vol, 11th ed, Soc. & Behav. Vols. New information: Also head, 69-, Dept. of Educational Psychology, College of Education, Texas A&M University, College Station, Tex. 77843.
- ROADY, PROF. THOMAS GOLMAN, JR.** Constitutional Law. See 5th ed. Dir. Am. Scholars, Vol. IV, Philos. Relig. & Law.
- ROBB, DR. JAMES F., b. Portland, Ore., Jan. 12, 33; m. 55; c. 3. BUSINESS ADMINISTRATION, MARKETING.** B.S. Oregon State, 45; M.B.A., Washington (Seattle), 57, D.B.A., 61; summer, Ford Faculty fel., California, Los Angeles, 60. Instr. MKT, Washington (Seattle), 57-60; asst. prof. British Columbia, 60-62; PORTLAND STATE, 62-63, ASSOC. PROF. 63- Vis. prof. case method course, Harvard, summer 64. U.S.A., 54-56, Res. Maj. Mkt. Assn. Economic forecasting; state industrial development; tourism; marketing information systems; marketing management. Pub. A consumer research study on Washington frozen fryers, Wash. State Dept. Agr., 60; co-auth, Business terminations, Bus. Res. Inst., Wash., 53; ed, Business and economic outlook for 1964, 1965, 1966, 1967, 1968, Portland State Col., 63, 64, 65, 66 & 67. Address: School of Business Administration, Portland State University, P.O. Box 1068, Portland, Ore. 97207.
- ROBBINS, MAJ. CHARLES HOWARD, U.S.A., b. Cleveland, Ohio, Sept. 19, 30; m. 51; c. 3. COMPUTER SCIENCE, ECONOMICS.** B.S. Maryland, 62, M.S., 70. U.S. ARMY, 48-, systs. analyst, Univ. Maryland, 61-62, Off. Army Surgeon Gen., 62-63, chief, systs. br., 63-67, automatic data processing consult, Vietnam, 67-68, CHIEF COMPUT. SYSTS. OFF. ARMY SURGEON GEN., 68- Asst. Univ. Maryland, 62-63; lectr., Nor. Va. Community Col., 68- Mem. comput. res. study sect, Nat. Insts. Health, 69-; U.S. Dept. Defense Panel Comput. Aided Design Numeric Control, 69- N.Y. Acad. Sci. Sci. Res. Soc. Am. Computer science; information retrieval; computer assistance to patient care; automated clinical laboratories; management information systems. Pub. Computers and medicine, Asn. Mil. Surgeons, 70; The technical information explosion, Data Processing Mag., 7/65 & The computer as an amplifier of the human intellect, Mil. Med., 9/67. Address: 5206 Cedar Rd, Alexandria, Va. 22309.
- ROBBINS, PROF. HERBERT.** Psychology. See L-Z Vol, 11th ed, Soc. & Behav. Vols. New position: Prof., Bronx Community Col. Address: 35 W. 88th St, New York, N.Y. 10024.
- ROBBINS, DR. JAMES E(DWARD).** Industrial Psychology, Education. See L-Z Vol, 11th ed, Soc. & Behav. Vols. New position: Mgr. personnel planning & develop, indust. rels. div. plumbing & heating group, American-Standard Inc., 70- Address: 50 Plaza St, Apt. 10-0A, Brooklyn, N.Y. 11238.
- ROBBINS, DR. LILLIAN C(UKIER).** Social Psychology. See L-Z Vol, 11th ed, Soc. & Behav. Vols. New position: Asst. prof. soc. & psychol. found. sch. ed, City Col. New York, 70- Address: 49 E. 96th St, New York, N.Y. 10028.
- ROBBINS, DR. SAMUEL DOWSE.** Speech Pathology, Clinical Psychology. See 11th ed, Soc. & Behav. Vols., deceased 68.
- ROBERTS, PROF. EDWARD B(AER).** Management. See L-Z Vol, 11th ed, Soc. & Behav. Vols. New position: Prof. Mass. Inst. Tech., 70- Address: 17 Fellsmead Rd, Newton, Mass. 02159.

- ROBERTS, DR. EDWARD GRAHAM, b. Dekalb Co, Ga, May 26, 22; m. 49; c. 3. INFORMATION SCIENCE. B.A., Univ. of the South, 43; B.L.S., Emory, 48; Ph.D. (hist.), Virginia, 50. Curator manuscripts collection & dir. G.W. Flowers collection, Duke, 48-52; dir. libraries, Drake, 52-56; dir. regional library coop, Southeast. Interlibrary Res. Facility, 56-58; library consult., South. Regional Ed. Bd, 58-59; chief sci.-tech. library, GA. INST. TECH., 59-61; readers servs, 61-66, ASSOC. DIR. LIBRARY & ASSOC. PROF., INFO. SCI., 66-; asst. prof, 63-66. Summer lectr., library sch., Emory, 60, 62. U.S.A.G., 63. Soc. Info. Sci.; Library Assn. Scientific and engineering bibliography; information flow and user characteristics, especially from viewpoint of optimizing the structure of information sources and their forms. Publ.: Southeastern supplement to the union list of serials, South. Regional Ed. Bd, 59; Literature of science and engineering, Ga. Inst. Tech., 66, 2nd ed., 69. Address: 1639 Adella Place N.E., Atlanta, Ga. 30329.
- ROBERTS, DR. FRED STEPHEN. Combinatorial Mathematics, Mathematical Psychology. See Suppl. V to 11th ed, Phys. & Biol. Vols.
- ROBERTS, DR. HIBBERT RICE, b. San Francisco, Calif., July 22, 31; m. 60; c. 2. POLITICAL SCIENCE. A.B., Cornell, 53; A.M., Washington (Seattle), 57, Ph.D. (polit. sci.), 67. Asst. prof. POLIT. SCI., Whitman Col., 62-66, ASSOC. PROF., 67-68; ILLINOIS STATE, 68-; ACTING CHMN., DEPT., 69. Hill Found. summer faculty fel., 69. U.S.A.F., 54-55, Capt. Polit. Sci. Assn. Interaction of non-governmental organizations with the United Nations system. Address: Dept. of Political Science, Illinois State University, Normal, Ill. 61761.
- ROBERTS, PROF. MERRILL J. (JOSEPH). Economics. See L-Z Vol, 11th ed, Soc. & Behav. Vols. Change of address: 1230 Chatham Park Dr., Apt. F, Pittsburgh, Pa. 15216.
- ROBERTS, DR. MICHAEL CHARLES. Geography. See L-Z Vol, 11th ed, Soc. & Behav. Vols. New position & address: Asst. prof., Dept. of Geography, Simon Fraser University, Burnaby 2, B.C., Can.
- ROBERTS, DR. PAUL CRAIG. Economics. See L-Z Vol, 11th ed, Soc. & Behav. Vols. New position & address: Assoc. prof., 69-; Dept. of Economics, University of New Mexico, Albuquerque, N.Mex. 87106.
- ROBERTS, DR. RAY (CROUSE), JR. Economics, Business Administration. See L-Z Vol, 11th ed, Soc. & Behav. Vols. New position & address: Prof. econ., 69-; Dept. of Economics & Business Administration, Furman University, Greenville, S.C. 29613.
- ROBERTS, DR. RONALD EDWARD, b. Chariton, Iowa, July 31, 39; m. 60; c. 2. SOCIOLOGY. B.A., Drake, 61; M.A., La. State, 64, Ph.D. (sociol.), 69. Res. asst. rural sociol., La. State, 62-63, spec. lectr. SOCIOLOGY, 67-69; instr., Memphis State, 64-66; ASST. PROF., Graceland Col., 66-67; NORTHERN IOWA, 69- Nat. Sci. Found. trainee, 68. Sociol. Assn.; Soc. Study Social Probs. Social foundations of Utopian social movements; social gerontology. Address: Dept. of Sociology, University of Northern Iowa, Cedar Falls, Iowa 50613.
- ROBERTS, PROF. WARREN, JR. Political Science. See L-Z Vol, 11th ed, Soc. & Behav. Vols. New position: Prof., 69-; Dept. of Political Science, Newcomb College of Tulane University, New Orleans, La. 70118.
- ROBERTS, DR. WARREN A. (LDRIKH). Economics, Political Science. See L-Z Vol, 11th ed, Soc. & Behav. Vols. New information: Lectr., Sonoma State Col., 68- Address: 176 Academy Lane, Sonoma, Calif. 95476.
- ROBERTS, WILLIAM KEITH. Industrial Psychology. See L-Z Vol, 11th ed, Soc. & Behav. Vols. Change of address: 2390 Highway I, Grafton, Wis. 53024.
- ROBERTSON, PROF. JAMES PATRICK SHINNIE, b. Oids, Alta, Oct. 31, 12; m. 37. PSYCHOLOGY. B.A., New Zealand, 33; M.A., 34; B.A., London, 46, Ph.D. (psychol.), 50. Res. psychologist, Netherne Psychiat. Hosp., Coulsdon, Eng., 48-52, head psychol. res. dept., 53-60, chief psychologist, 61-67; PROF. ABNORMAL & PERCEPTUAL PSYCHOL. & PSYCHOL. TESTS, TRENT, 68- Brit. Army, 40-46, Sgt. Fel. Brit. Psychol. Soc. Abnormal psychology, especially schizophrenic behavior; perceptual psychology, particularly tactual and pictorial perception. Publ.: Co-auth. A programmed course in psychiatry (12 vols.), Documents Geigy, Eng., 65-68; auth. A study difficulties battery for student nurses, Netherne Hosp., Eng., 69; co-auth. Operant response rates and variability in chronic schizophrenia, Bull. Brit. Psychol. Soc., 65; plus others. Address: Dept. of Psychology, Trent University, Peterborough, Ont., Can.
- ROBINS, DR. ROBERT SIDWAR. Political Science. See L-Z Vol, 11th ed, Soc. & Behav. Vols. New position: Assoc. prof., 68-; Dept. of Political Science, Tulane University, New Orleans, La. 70118.
- ROBINSON, DR. DANIEL S. (OMMER). Philosophy. See 5th ed, Dir. Am. Scholars, Vol. IV, Philos., Relig. & Law.
- ROBINSON, DR. DONALD EDWARD, b. Austin, Tex., July 14, 36; m. 59; c. 2. PSYCHOACOUSTICS, SENSORY PSYCHOLOGY. A.B., Texas, 57; M.A., 61, Ph.D. (psychol.), 63. Statistician, Bur. Census, U.S. Dept. Commerce, 59-60; res. scientist, defense res. lab., Univ. Texas, 60-63; sr. scientist, Tracor, Inc., 63-64; asst. prof. PSYCHOL., INDIANA, BLOOMINGTON, 64-69, ASSOC. PROF., 69- Acoustical Soc. Am. Psychophysical methods. Publ.: Co-auth. Effect of varying the interaural noise correlation on the detectability of tonal signals, 63 & An explanation of masking level differences that result from interaural intensive disparities of noise, (in press), J. Acoustical Soc. Am. Methodology in modern psychacoustics, In: Foundations of modern auditory theory, Act. Press, (in press), Address: Dept. of Psychology, Indiana University, Bloomington, Ind. 47401.
- ROBINSON, DR. ERNEST LEROY, b. Richmond, Va., May 31, 40; m. 64; c. 1. SOCIAL PSYCHOLOGY. B.A., Richmond, 62, M.A., 64; Ph.D. (psychol.), Wayne State, 68. ASST. PROF. PSYCHOL., GA. STATE COL., 68- Psychol. Assn. Cognitive structure; attitude change; group risk taking. Address: Dept. of Psychology, Georgia State College, 33 Gilmer St., S.E., Atlanta, Ga. 30303.
- ROBINSON, DR. FRANK B. (BENNETT). Speech Pathology, Psychology. See L-Z Vol, 11th ed, Soc. & Behav. Vols. Correction: Prof. & chmn., 66-; Dept. of Speech Pathology & Audiology, Western Michigan University, Kalamazoo, Mich. 49001.
- ROBINSON, DR. GORDON HEATH. Industrial Engineering. See 12th ed, Phys. & Biol. Vols.
- ROBINSON, PROF. HALBERT B. (BENEFEL). Psychology. See L-Z Vol, 11th ed, Soc. & Behav. Vols. New position & address: Prof. psychol. & dir., 68-; Developmental Psychology Lab, University of Washington, Seattle, Wash. 98105.
- ROBINSON, DR. JAMES, b. New York, N.Y., Jan. 26, 43. PSYCHOLOGY. B.A., Swarthmore Col., 64; M.A., Southern California, 68, U.S. Pub. Health Serv. fcls., 68-69, Ph.D. (psychol.), 69. ASST. PROF. PSYCHOL., MT. ST. MARY'S COL. (CALIF.), 68- Role of verbal and nonverbal processes in human learning and memory. Address: Dept. of Psychology, Mt. St. Mary's College, 12001 Chalon Rd., Los Angeles, Calif. 90049.
- ROBINSON, DR. JAMES ARTHUR. Political Science. See L-Z Vol, 11th ed, Soc. & Behav. Vols. New information: Also v-pres. acad. affairs & provost, 69-; Ohio State University, 190 N. Oval Dr., Columbus, Ohio 43210.
- ROBINSON, DR. LEONARD H. (ARRISON). Psychology. See L-Z Vol, 11th ed, Soc. & Behav. Vols. New position: V-pres. acad. affairs, North Carolina Central, 69- Address: 114 Nelson St., Durham, N.C. 27707.
- ROBINSON, PROF. MARGARET C. b. Astoria, Ore., Nov. 23, 16. CLINICAL PSYCHOLOGY. M.A., Loyola (Ill.), 44, Ph.D. (clin. & exp. psychol.), 47. Lectr. psychol., Loyola (Ill.), 46-47; Ft. Wright Col., 47-48; asst. prof., Maryhurst Col., 48-50, assoc. prof., 50-52, prof. & chmn. dept., 52-59; prof. psychol. & dean women, Windsor, 59-63; res. fel. psychol. of personality, Sorbonne, 63-65; PROF. PSYCHOL., MARYHURST COL., 65- Fulbright res. scholar, Belgium, 55-56; Cultural Fulbright Award, France, 56- Consult. Tektronix, Inc., 65- Dipl. clin. psychol., Am. Bd. Exam. Prof. Psychol., 58. AAAS; Psychol. Assn.; Int. Union Psychol. Sci. Sociol. of personality; perceptual research; personality and communication; mental health; developmental psychology. Publ.: Creative personality, Sheed, 63; co-auth. Toward the 21st century in higher education, Oregon State Univ., 67; auth. Personality and communication, Proc. Int. Cong. Psychol., Moscow, 66. Address: Box 324, Maryhurst College, Maryhurst, Ore. 97036.
- ROBINSON, DR. MARIE J. Speech, Drama. See 5th ed, Dir. Am. Scholars, Vol. II, Eng. Speech & Drama.
- ROBINSON, DR. NANCY L. (OU) (MAYER). Psychology. See L-Z Vol, 11th ed, Soc. & Behav. Vols. New position: Sr. res. assoc., develop. psychol. lab, Washington (Seattle), 69- Address: 5005 N.E. 45th St., Seattle, Wash. 98105.
- ROBINSON, DR. ORMSBEE W. (RIGHT). Sociology. See L-Z Vol, 11th ed, Soc. & Behav. Vols. Change of address: 15 Simsbury Rd., West Granby, Conn. 06090.
- ROBINSON, RICHARD G. (GEORGE). Clinical Psychology. See L-Z Vol, 11th ed, Soc. & Behav. Vols. New information: Chief psychologist, Four Winds Hosp., 68- Address: 66 E. 80th St., New York, N.Y. 10021.
- ROBINSON, DR. THOMAS W. (EBSTER), b. Milwaukee, Wis., Feb. 9, 35; m. 62; c. 2. INTERNATIONAL RELATIONS. B.A., Carleton Col., 57; M.I.A., Columbia, 59, Ph.D. (int. rels.), 69. Instr. govt., Dartmouth Col., 64-65; RES. ANALYST, RAND CORP., 65- Vis. lectr., part-time, California, Los Angeles, 68- U.S.A., 65. Soc. Int. Law; Assn. Adv. Slavic Studies; Polit. Sci. Assn. Assn. Asian Studies; Int. Studies Assn.; Peace Res. Soc. International relations theory; Chinese government politics and foreign policy; Soviet government politics and foreign policy; Sino-Soviet relations; comparative Communism; computer applications to social sciences. Publ.: Chou En-lai's role in China's cultural revolution, 69. The Sino-Soviet border conflict, 70 & A political biography of Lin Biao, 70, Rand Corp. Address: Rand Corp., 1700 Main St., Santa Monica, Calif. 90406.
- ROBINSON, DR. WILLIS. Educational Psychology, Counseling. See L-Z Vol, 11th ed, Soc. & Behav. Vols. Change of address: U.S. International University, Elliott Campus, 8655 E. Pomerado Rd., San Diego, Calif. 92128.
- ROBINSON, DR. ROBERT KILLIAN. Psychology. See L-Z Vol, 11th ed, Soc. & Behav. Vols. New information: Asst. dir., grad. prog. pastoral counseling, Iona Col., 69- Address: 151 W. 86th St., New York, N.Y. 10024.
- ROBINSON, DR. SOPHIA M. (OSES). Sociology, Social Psychology. See 11th ed, Soc. & Behav. Vols., deceased 69.
- ROBOCK, DR. STEFAN H. Economics. See L-Z Vol, 11th ed, Soc. & Behav. Vols. New position: Robert D. Calkins prof. int. bus., 69-; Graduate School of Business, Columbia University, New York, N.Y. 10027.
- ROCA, DR. PABLO. Educational Psychology. See L-Z Vol, 11th ed, Soc. & Behav. Vols. Change of address: 235 Sarto Ave., Coral Gables, Fla. 33134.
- ROCHE, DR. GEORGE CHARLES, III. Political Economy, Philosophy. See 5th ed, Dir. Am. Scholars, Vol. I, Hist.
- ROCHESTER, DR. DEAN EDWARD, b. Chelan, Wash., Nov. 22, 26; m. 52; c. 2. PSYCHOLOGY. B.S., Fla. State, 51, M.S., 52, Ed.D. (counseling), 65. Psychologist, Hillsborough County Sch. Dist., 53-63; asst. prof. COUNSELING, SOUTHERN ILLINOIS, 65-68, ASSOC. PROF., 68- Instr., Tampa,

- 61-63. Ed. Res. Asn.; Psychol. Asn.; Personnel & Guid. Asn.; Asn. Counsr. Ed. & Supv. Counseling and psychotherapy: research and design. Publ: The persistence of attitudes and values of NDEA counselor trainees, *J. Counseling Psychol.* 11/67 & Responses of phenomenological and Adlerian student on the TCA, *J. Counseling Psychol.* 11/68; Changes in counselor attitudes relative to teaching experience, *Int. The School guidance worker*, Univ. Toronto, 69. Address: Dept. of Counseling, Southern Illinois University, Edwardsville, Ill. 62025.
- ROCKWAY, DR. MARTY (ROBERT). Experimental Psychology. See L-Z Vol. 11th ed, Soc. & Behav. Vols. New position & address: Tech. dir., 69-, Technical Training Division, Air Force Human Resources Lab, Lowry AFB, Colo. 80230.
- ROCKWOOD, PROF. CHARLES EDWARD. Economics. See L-Z Vol. 11th ed, Soc. & Behav. Vols. New publ: National incomes policy for inflation control, *Fla. State Univ.* 69. Address: Dept. of Economics, Florida State University, Tallahassee, Fla. 32306.
- RODGERS, PROF. RAYMOND. Finance. See 11th ed, Soc. & Behav. Vols. deceased 68.
- RODGERS, DR. THEODORE STEPHEN. English Linguistics, Education. See 5th ed, Dir. Am. Scholars, Vol. III, For. Lang. Ling. & Philol.
- RODIN, DR. TIBOR S. b. Budapest, Hungary, May 10, 34; U.S. citizen; m. 56; c. 3. POLITICAL SCIENCE. B.A., Michigan, 64; M.A., Nebraska, 66, Ph.D. (polit. sci.), 69. ASST. PROF. POLIT. SCI., MORNINGSIDES COL., 68- Israel Air Force, 52-54. Polit. Sci. Asn. International and intraregional relations of the Middle East. Address: Dept. of Political Science, Morningside College, Sioux City, Iowa 51106.
- RODNER, DR. KIM. b. Chicago, Ill. Aug. 3, 31; m. 61. SOCIOLOGY, ANTHROPOLOGY. B.A., Mich. State, 56; M.A., 59, Ph.D. (sociol., anthropol.), 62; Nat. Woodrow Wilson fel., California, Berkeley, 56-57. Instr. soc. sci. & chmn. dept., Lansing Community Col., 59-63; asst. prof. sociol., Oregon, 63-65; ASSOC. PROF. SOCIOL. & ANTHROPOL., Parsons Col., 65-67; Carleton Col., 67- Consult. med. sch., Oregon, 65. Mem. Nat. Cmn. Community Health Serv., 64-65. U.S.N., 49-50. Sociol. Asn. Sociological theory: political sociology; cultural evolutionary theory; American society; Latin American sociological analysis. Publ: Logical foundations of social change theory, *Sociol. & Soc. Res.* 4/67. Address: Dept. of Sociology & Anthropology, Carleton College, Northfield, Minn. 55057.
- RODRIGUEZ, DR. ALEJANDRO. b. Caracas, Venezuela, Feb. 5, 18; m. c. 1. CHILD PSYCHIATRY, PEDIATRICS. M.D., Venezuela, 41. Instr. psychiat. & pediat., SCH. MED. HOPKINS, 62-63; asst. prof., 63-67; ASSOC. PROF., PEDIAT. ASSOC. PROF. CHILD PSYCHIAT. & DIR. DIV. CHILD PSYCHIAT., 67- Consult. Villa Maria, Cath. Charities, Md., 62-; bd. consult. Children's Guild, 67- Psychiat. Asn.; Orthopsychiat. Asn. Address: Dept. of Pediatrics, Johns Hopkins University, 725 Wolfe St., Baltimore, Md. 21205.
- ROESSLER, PAUL A. Social & Political Science. See L-Z Vol. 11th ed, Soc. & Behav. Vols. New position: Coordinator, intergovt. affairs, Bur. of Indian Affairs, U.S. Dept. of Interior, 70- Address: 6731 Greentree Rd., Bethesda, Md. 20834.
- ROETT, DR. RICHARD (JOSEPH) A (LENNY), III. b. New York, N.Y. Sept. 10, 38. POLITICAL SCIENCE. A.B., Columbia, 59, M.I.A., 62, Nat. Defense Ed. Act fel., 63-64. Ford Found. fel., 64-66, cert. 67, Ph.D. (polit. sci.), 68; Fulbright grant, Brazil, 62-63; univ. fel., Mass. Inst. Tech., 66-67. ASST. PROF. POLIT. SCI., VANDERBILT, 67- Polit. Sci. Asn.; Latin Am. Studies Asn.; Int. Studies Asn. Latin American political modernization; political development; political politics. Address: Box 1711, Station B, Vanderbilt University, Nashville, Tenn. 37203.
- ROGERS, DR. CECIL (ARTHUR), JR. Psychology. See L-Z Vol. 11th ed, Soc. & Behav. Vols. New position: Assoc. prof., 69-, Dept. of Psychology, University of Arizona, Tucson, Ariz. 85721.
- ROGERS, DR. DANIEL CARL. b. Los Angeles, Calif. Sept. 12, 39; m. 65; c. 1. ECONOMICS. B.A., Princeton, 62; univ. trustees fel. & M.A., Yale, 63, Nat. Sci. Found. & Manpower Admin. fel. & Ph.D. (econ), 67. Res. fel. econ. inst. develop. studies, Univ. Col. Nairobi, Kenya, 67-68; ASST. PROF. ECON. & ED. TEACHERS COL., COLUMBIA, 68- Lectr. manpower planning course, Econ. Cmn. for Africa, summer 69. Consult. World Bank Mission to Kenya, 68- World Bank, 69-70. Econ. Asn. Economic development; economics of education and human resources in the development process; manpower and educational planning; economics of population; labor economics. Publ: Private rates of return to education in the United States: a case study, *Yale Econ. Essays*, spring 69. Address: Dept. of Economics & Education, Teachers College, Columbia University, New York, N.Y. 10027.
- ROGERS, DR. DAVID. b. Boston, Mass. Apr. 17, 30; m. 60; c. 2. SOCIOLOGY. A.B., Harvard, 53, fel. 56-58, Soc. Sci. Res. Comm. fel., 58-59, Ph.D. (sociol.), 60, Princeton, 59. Asst. prof. social grad. faculties, Columbia, 59-62; ASSOC. PROF. SOCIOL. & MGT. GRAD. SCH. BUS. ADMIN., N.Y. UNIV., 62- Consult. N.Y. Urban Coalition; Human Resources Admin.; Los Angeles Urban Coalition on Ed. Sociol. Asn. Politics of school reform in New York City; new urban coalitions as a way toward education reform; politics and administration of inner city manpower programs. Publ: 110 Livingston Street: politics and bureaucracy in the New York City schools, *Random*, 69 & An exploratory study of inter-organizational relations, U.S. Dept. Labor, 69; co-auth. Sociology and the business establishment, *Am. Sociol. Asn. & Russell Sage Found.* 70. Address: New York University Graduate School of Business Administration, 68 Trinity Place, New York, N.Y. 10006.
- ROGERS, DR. DOROTHY. Psychology. See L-Z Vol. 11th ed, Soc. & Behav. Vols. New publ: Issues in child psychology, 69 & Readings in child psychology, 69, Brooks/Cole; Test manual for issues in adolescent psychology, Appleton, 69. Address: Dept. of Psychology, State University of New York College at Oswego, Oswego, N.Y. 13126.
- ROGERS, PROF. HERBERT (FRANCIS). Religion, Philosophy. See 5th ed, Dir. Am. Scholars, Vol. IV, Philos. Relig. & Law.
- ROGERS, DR. JON GUY. b. Kansas City, Kans. Jan. 17, 38; m. 62; c. 2. PSYCHOLOGY, ADMINISTRATIVE SCIENCE. A.B., Kansas State Teachers Col., 60; M.A., Arkansas, Fayetteville, 63; Nat. Sci. Found. res. fel. Fla. State, 63; Nat. Defense Ed. Act fel. New Mexico, 66-67, Ph.D. (psychol.), 67. Asst. prof. psychol., Hendrix Col., 62-65; mem. faculty, Ark. State Teachers Col., 65; mem. human factors staff, Sandia Labs, N.Mex., 66; res. psychologist, Marshall Space Center, NASA, Huntsville, Ala., 67-68; ASST. PROF. PSYCHOL., ALABAMA, HUNTSVILLE, 68- Mem. adv. planning group human eng. off. adv. res. & tech., NASA Hq., 67-69. Consult. Sandia Labs, 66-67; NASA, Huntsville, 68-69. NASA rep. Mgt. Panel Proj. Teklite, 68-69; mem. Tri Serv. Working Group, 68-; mem. State Psychol. Bd. Rehab, Ala., 69- Human Factors Soc. Human learning; information processing; incentive management and human factors applications in aerospace technology. Publ: Man-system locomotion controller criteria for extraterrestrial vehicles, *Nat. Conf. Extravehicular Activities*, 68; Input and output speed components of learning-to-learn, *J. Exp. Psychol. & Simulation* in development of space hardware, *Human Factors Bull.* 1/70. Address: Dept. of Psychology, University of Alabama in Huntsville, P.O. Box 1247, Huntsville, Ala. 35807.
- ROGERS, DR. LINDSAY. Politics, Government. See L-Z Vol. 11th ed, Soc. & Behav. Vols. Change of address: 88 Morningside Dr., New York, N.Y. 10027.
- ROGERS, ROBERT OLIVER. b. Tenn; m. c. 1. ECONOMICS, AGRICULTURAL ECONOMICS. B.S., California, Berkeley, 43; M.A., Washington State, 51; M.A., Chicago, 57. Agr. economist, U.S. Bur. Reclam., 46-53; State DEPT. AGR. 53-59, staff economist, 59-68, DIR. PROG. PLANNING EVAL. STAFF, 69- U.S.N., 43-46, Lt. Econ. Asn.; Agr. Econ. Asn.; Int. Econ. Asn. Land and water resource development; production economics research; program planning and evaluation research. Publ: Co-auth. Irrigated farms in a subhumid cotton area—Income potential and development problems, 56 & auth. Economic variables affecting research on feed and livestock, 64, Agr. Res. Serv. U.S. Dept. Agr.; Economic and social consequences of different rates of adoption of new technology by farmers, *Southern Agr. Workers J.* 59. Address: 2348 N. Early St., Alexandria, Va. 22302.
- ROGERS, DR. ROSEMARIE STRAUSSNIGG. b. Klagenfurt, Austria, Oct. 7, 36; m. 64. POLITICAL SCIENCE. Dipl. Italian, Innsbruck, 56; Austrian Ministry Ed. fel., Sorbonne, 56-57; Fulbright scholar, Texas Austin, 57-58, M.A., 60; Am. Coun. Learned Soc. grant, Ling. Inst. Ann Arbor, Mich., summer, 59; Vienna, 60-61; univ. fel., Mass. Inst. Tech., 61-62, grant, 65, Ph.D. (polit. sci.), 67. Asst. Teach., Austin, 58-59; MASS. INST. TECH., 59-60 & 62-67, instr. POLIT. SCI., 67-68, ASST. PROF., 68- Instr. Tufts, 67-68; mem. res. staff center int. studies, Mass. Inst. Tech., 67- Ford Found. faculty res. fel. polit. sci., Am. Philos. Soc. Penrose Fund grant and Cambridge Proj. res. grant, 69-70. Austrian del. Williamsburg Int. Assembly, Va., summer 60. Acad. Polit. & Soc. Sci.; Asn. Pub. Opinion Res.; Polit. Sci. Asn. Public opinion and propaganda; mass media; multiethnic societies, particularly Canada and Soviet Union. Publ: How Russians read their press: patterns of selection in Pravda and Izvestia, M.I.T., 68; co-auth. Communication media (Soviet aspect), In: *The Soviet system and democratic society: a comparative encyclopedia*, Herder, 67; auth. The Soviet audience wants and gets more from its media, *Journalism Quart.*, winter 69-plus others. Address: Dept. of Political Science, Massachusetts Institute of Technology, Cambridge, Mass. 02139.
- ROGERS, PROF. WILLIAM (CECIL). International Relations. See L-Z Vol. 11th ed, Soc. & Behav. Vols. New information: Also dir. continuing ed. in urban affairs, Minnesota, Minneapolis, 67- Address: 143 Orin St. E., Minneapolis, Minn. 55414.
- ROGERS, DR. WILLIAM R (AYMOND) JR. Religion, Psychology. See 5th ed, Dir. Am. Scholars, Vol. IV, Philos. Relig. & Law.
- ROGSTAD, DR. BARRY KENT. b. Winchendon, Mass. Sept. 14, 40; m. 64; c. 1. ECONOMICS. A.B., Clark, 62, M.A., 63; Nat. Sci. Found. fel. & Ph.D. (econ), Brown, 68. SR. ASSOC. ECONOMIST, PLANNING RES. CORP., 68- Econ. Asn. International capital movements and economic growth; application of planning, programming and budgeting systems and management information systems to foreign affairs programming. Address: 12213 Village Square Terr., Rockville, Md. 20852.
- ROHDE, DR. GARY E. b. Neillsville, Wis. Oct. 24, 38; m. 60; c. 2. AGRICULTURAL ECONOMICS, ECONOMICS. B.S., Wis. State, River Falls, 60; M.S., Wisconsin, Madison, 66. Nat. Defense Ed. Act fel. & Ph.D. (agr. econ), 66. Asst. prof. agr. econ. WIS. STATE, RIVER FALLS, 66-68, ASSOC. PROF. AGR. ECON. & ASST. TO DEAN COL. AGR., 69- Agr. Econ. Asn. International trade and cooperatives; marketing; cooperatives; agricultural policy; land and food problems of the world. Publ: Cooperation, Univ. Wisconsin, 69. Address: Dept. of Agricultural Economics, Wisconsin State University, River Falls, Wis. 54022.
- ROHLOFF, DR. ALBERT (CHRISTIAN). Mathematical Statistics. See L-Z Vol. 11th ed, Soc. & Behav. Vols. New position: Dir. mkt. anal., 68-, Lever Brothers Co., 390 Park Ave., New York, N.Y. 10022.
- ROHN, DR. ARTHUR H (ENRY), JR. Anthropology. See L-Z Vol. 11th ed, Soc. & Behav. Vols. New position & address: Assoc. prof. & chmn., 70-, Dept. of Anthropology, Wichita State University, Wichita, Kans. 67208.
- ROHRER, PROF. WAYNE C (URRY). Sociology. See L-Z Vol. 11th ed, Soc. & Behav. Vols. New publ: Black profiles of white Americans, Davis, 70. Address: Dept. of Sociology, Kansas State University, Manhattan, Kans. 66502.
- ROHRLICH, DR. GEORGE (FRIEDRICH). Economics, Government. See L-Z Vol. 11th ed, Soc. & Behav. Vols. New information: Also dir., 68-, Institute for Social Economics & Policy Research, Temple University, Philadelphia, Pa. 19122.

- ROHRMAN, DR. NICHOLAS LEROY. Psychology. See L-Z Vol. 11th ed, Soc. & Behav. Vols. New position & address: Asst. prof., 69-, Dept. of Psychology, Florida State University, Tallahassee, Fla. 32306.
- ROHTER, DR. IRA S., b. Chicago, Ill., Aug. 27, 38; m. 64. POLITICAL SCIENCE. B.S., Ill. Inst. Tech., 60; M.A., Mich. State, 64; Ph.D. (polit. sci.), 67. Asst. instr. polit. sci., Mich. State, 63-64, res. assoc. comput. prog., 64; POLIT. SCI., Oregon, 64-65; instr., Wisconsin-Milwaukee, 65-67; vis. asst. prof., California, Berkeley, 67-68; ASST. PROF. HAWAII, 68- Fel, psychol. & polit. prog., Yale, 69-70; Polit. Sci. Assn. Political psychology; research methods and techniques. Publ.: The righteous rightists, Trans-Action, 5/67; Social and psychological determinants of radical rightism, In: The American right wing, Holt, 69; The genesis of political radicalism, In: Learning about politics: studies in political socialization, Random, 70. Address: Dept. of Political Science, University of Hawaii, Honolulu, Hawaii 96822.
- ROLAND, DR. BILLY C., b. Greenville, Tex. Apr. 3, 27; m. 48; c. 3. EXPERIMENTAL PSYCHOLOGY. B.A., Baylor, 52, M.A., 57; Ph.D. (psychol.), Houston, 66. Instr. PSYCHOL., EAST TEXAS STATE, 65-66, asst. prof., 66-69, ASSOC. PROF., 69-, faculty res. grants, 67-69. U.S.M.C., 45-49, S/Sgt. Psychol. Asn. Perceptual processes; psychophysics. Publ.: Relationship between GSR, heart rate and reversibility of a necker cube, Perceptual & Motor Skills, 2/70. Address: Dept. of Psychology, East Texas State University, Commerce, Tex. 75428.
- ROLLIN, PROF. A(LBERT) ROBERT. Psychology. See L-Z Vol. 11th ed, Soc. & Behav. Vols. Change of address: R.R. 3, Box 106, Storrs, Conn. 06268.
- ROLLINGS, DR. JAMES WILLIAM, b. Delphos, Kans., Feb. 6, 33; m. 53; c. 3. COUNSELING, GUIDANCE. B.S., Kans. State Teachers Col., 55; M.A., Missouri-Kansas City & Nat. Defense Ed. Act summer fel, Kansas, 59; E.D. (guid.), Colorado, 67. Teacher & coach, bus, Kans., 55-57, 57-60; psychometric consult, div. guid. servs., Colo. Dept., 60-65, consult. guid., counseling & testing, 65-68; assoc. prof. & dir. bur. ed. measurement, Kans. State Teachers Col., 68-70; ASST. PROF. REGIONAL DIR. AM. COL. TESTING PROG., 70- Consult. Ed. Professions Develop. Act, U.S. Off. Ed., 67; Prof. Impact, 68; Midwest States Ed. Info. Prof., Iowa, 67-68. Nat. Coun. Measurement in Ed., Assn. Measurement & Eval. Guid. Development, scoring and processing of testing; intensive group activities; data processing development. Address: American College Testing Program, Suite 515, Capitol Mall, Sacramento, Calif. 95814.
- ROLLINS, DR. JAMES A., b. Casseville, Ark., Sept. 16, 31. PSYCHOLOGY. B.S., Arkansas, 54, M.A., 55; Nat. Defense Ed. Act fel., Boston, 63-64, univ. fel., 64-65, Ed.(counseling), 68. Sch. psychologist, Canal Zone Govt., 61-62; counsr., Lonpon Coated Sch. Dist., 62-63; admin. asst., pupil personnel, pub. schs., Mass., 64-65; coordinator psychol.-ed. clin., Boston Univ., 65-66; counseling psychologist, Rhode Island Col., 66-68; ASSOC. PROF. PSYCHOL., STATE COL. ARK., 68- Summer, ed. counsr., Vandenberg Air Force Base, 63; training suvr., Boston Univ., 64; guest prof., Tennessee, 65. Psychol. Asn.; Personnel & Guid. Asn.; Asn. Counr. Ed. & Supv; Nat. Voc. Guid. Asn. Counseling effectiveness. Address: Dept. of Psychology, State College of Arkansas, Conway, Ark. 72032.
- ROLLINS, DR. JOAN HELLER, b. New York, N.Y., Feb. 8, 37; div. c. 2. SOCIAL PSYCHOLOGY. B.A., Coucher Col., 54; M.A., Fordham, 61; Ph.D. (soc. psychol.), Oklahoma, 70. Asst. suvr. dir., Opinion Res. Corp., 59-60; res. asst. soc. psychol., inst. group rels., Oklahoma, 63-66; ASST. PROF. PSYCHOL., R.I. COL., 66- Nat. Ed. Assn. Ethnic groups; attitudes; group dynamics. Address: Dept. of Psychology, Rhode Island College, Providence, R.I. 02908.
- ROLLINS, DR. ROBERT L(EROY), JR., b. Farmville, N.C., Feb. 16, 32; m. 55; c. 2. PSYCHIATRY. A.B., North Carolina, 52; M.D., Duke, 56. Chief psychiatrist, U.S. Air Force Hosp., Maxwell Air Force Base, Ala., 60-62; private practice psychiat., Fla., 63-64; N.C., 64-66; dir. residency training, DOROTHEA DEK HOEP, 66-67, SUPT. 66- ASSOC. REGIONAL DEP. N.C. DEPT. MENT. HEALTH, 68- Adj. assoc. prof., N.C. State, 66-; clin. assoc. prof., North Carolina, 68- U.S.A.F., 61-63, Capt. Am. Med. Asn.; Psychiat. Asn.; Sociol. Asn.; Pub. Health Asn. Management techniques; milieu therapy. Publ.: Treatment of female inebriates at Dorothea Dix Hospital, 61 & co-auth. Bromide ingestion in alcoholics, 68, N.C. Med. J., health, 69. Address: Dorothea Dix Hospital, Raleigh, N.C. 27602.
- ROLLMAN, DR. GARY BERNARD, b. New York, N.Y., Nov. 9, 41; m. 67. EXPERIMENTAL PSYCHOLOGY. A.B., Rochester, 62; M.A., Pennsylvania, 63, Nat. Coun. Combat Blindness fel., 63-65, U.S. Pub. Health Serv. fel., 64-65, Ph.D. (psychol.), 67. Res. asst., PSYCHOL., Pennsylvania, 62-63, 65-67; Nat. Inst. Ment. Health res. fel., Princeton, 67-69, vis. lectr., 69; ASST. PROF., WESTERN ONTARIO, 69- Nat. Res. Coun. Can. res. grant, 69-; Faculty Soc. Sci. Res. Fund res. grant, 69- AAAA; Psychol. Asn. Optical Soc. Am. Sensory psychology, especially the cutaneous senses and vision, psychophysics; perception. Publ.: Electrocutaneous stimulation: psychometric functions and temporal interaction, 69 & Detection models; experimental tests with electrocutaneous stimuli, 69, Perception & Psychol.; Perception a la mode, Contemporary Psychol., 69. Address: Dept. of Psychology, University of Western Ontario, London, Ont., Can.
- ROLSTON, DR. RODRICK R., b. Sheldon, Iowa, Aug. 7, 31; m. 55; c. 2. SOCIOLOGY. B.A., Manchester Col., 54; B.D., Bethany Sem., 58; M.A., Northern Illinois, 60; Nat. Sci. Found. fel., Colorado, summer, 62; Ph.D. (sociol.), Iowa State, 66. Teacher, high sch., Ill., 58-60; sociologist, Ill. Training Sch. Boys, 61; instr. sociol. & anthropol., Manchester Col., 61-63; soc. Iowa State, 64-66; asst. dir. center community res. & develop., Bradley, 66-67; asst. dean continuing ed., 67-68; ASST. PROF. SOCIOL., WIS. STATE, PLATTEVILLE, 68- Dir. community study projs., Ill., 66-68. Consult. Off. Econ. Opportunity Community Action Agency, Peoria, Ill., 66-67; evaluative consult., Ill. Ment. Health Training Lab, 67; consult., school desegregation study team, Peoria, 67-68; Ill. Human Relis. Coun., 68-69; Grant County Planning Cmn., Wis., 69.
- Sociol. Asn.; Nat. Coun. Family Relis. Familial interaction patterns in the human aging process; sociology of community oriented case studies; outline of the development of scientific sociological theory for undergraduates. Address: Dept. of Sociology & Anthropology, 213 Brigham Hall, Wisconsin State University, Platteville, Wis. 53818.
- ROMACK, DR. REX ALAN, b. Rose Hill, Ill., July 5, 31; m. 67. SCHOOL PSYCHOLOGY. A.B., Ill. Col., 55; M.S., Eastern Illinois, 61; E.D. (ed. psychol.), Nebraska, Lincoln, 67. Student personnel asst., Nebraska, Lincoln, 63-65; asst. prof. ed. & dir. counseling, testing, scholars, financial aids & instrul. res., Nebr. Wesleyan, 65-67; assoc. prof. psychol. & assoc. dean students, Northern Arizona, 67-68; dean student personnel serv., Boise State Col., 68-69; ASSOC. PROF. PSYCHOL., NORTHERN IOWA, 69- Psychol. Asn. Personality; student personnel. Address: Dept. of Psychology, University of Northern Iowa, Cedar Falls, Iowa 50613.
- ROMAN, DR. C(OSTIC). Management. See L-Z Vol. 11th ed, Soc. & Behav. Vols. Change of address: Ford Foundation, P.O. Box 98, Ramna, Dacca 2, East Pakistan.
- ROMAN, DR. PAUL MICHAEL, b. Gouverneur, N.Y., Nov. 19, 42; m. 69. SOCIOLOGY, SOCIAL PSYCHIATRY. B.S., Cornell, 64, Ph.D. (orgn. behav.), 68. Res. assoc. orgn. behav., Cornell, 66-68; ASST. PROF. SOCIOL., Georgia, 68-69; TULANE, 69- Assoc. res. consult., Christopher D. Smithers Found., 68- Socio. Asn.; Soc. Study Social Probs.; Geront. Soc. Labeling theory of deviance; etiology of alcohol and drug addictions; etiology of schizophrenia; Alcoholics Anonymous; family psychopathology; industrial and community psychiatry; mental health of the aged. Publ.: Co-auth. Schizophrenia and the poor, 67 & Deviant drinking and the job, 70, Cornell Univ. Psychiatric sociology, Sci. House, 70. Address: Dept. of Sociology, 21 Newcomb Hall, Tulane University of Louisiana, New Orleans, La. 70118.
- ROMANI, DR. JOHN H(ENRY). Political Science. See L-Z Vol. 11th ed, Soc. & Behav. Vols. New position & address: V. chancellor, 69-, University of Wisconsin, Milwaukee, Wis. 53201.
- ROME, DR. BEATRICE K. Philosophy. See 5th ed, Dir. Am. Scholars, Vol. IV, Philos., Relig. & Law.
- ROME, DR. SYDNEY C. Philosophy. See 5th ed, Dir. Am. Scholars, Vol. IV, Philos., Relig. & Law.
- ROMOFF, HARVEY MICHAEL. Economics, Statistics. See L-Z Vol. 11th ed, Soc. & Behav. Vols. New position: Mgr. dept. res., 69-, Canadian Pacific Railway Co., Montreal 3, Que., Can.
- ROMOSER, DR. GEORGE K(ENNETH). Political Science. See L-Z Vol. 11th ed, Soc. & Behav. Vols. New position: Prof., 69- & chmn., 68- Dept. of Political Science, University of New Hampshire, Durham, N.H. 03824.
- RONAGHY, DR. HASSEN ALI, b. Fassa, Iran, Dec. 10, 31; m. c. 2. AGRICULTURAL ECONOMICS. B.S., Shiraz, 58; M.S., Southern Illinois, 62; Ph.D. (agr. econ.), Wisconsin, 69. Inspector, Ministry of Ed., Iran, 56-59, instr. agr., 59-60; ASST. PROF. ECON., YOUNGSTOWN STATE, 69- Iranian Army, 51-53, Lt. Marketing research for major agricultural commodities in Iran. Address: Dept. of Economics, Youngstown State University, 410 Wick Ave., Youngstown, Ohio 44503.
- ROOKS, DR. ILLA, b. Carroll Co. Ga., Oct. 6, 20. GUIDANCE & COUNSELING. A.B. Ed., Georgia, 41, M. Ed., 48, E.D. (human growth & develop. counseling), 57. Teacher, Lavonia Pub. Schs., 41-43; Loganville High Sch., 43-44; Robert E. Lee Inst., 44-51, chmn. dept., 49-51, counsr., 50-51; instr. Ed. FOUND & COUNSR. ED., GEORGIA, 51-57, ASST. PROF. 58- Nat. Ed. Kappa Delta Epsilon Current, 67-70. AAAS; Personnel & Guid. Asn.; Asn. Counsr. Ed. & Supv; Nat. Voc. Guid. Asn.; Nat. Employment Counsr. Asn.; Psychol. Asn.; Voc. Asn. Vocational development; teacher education. Publ.: Georgia Association of School Counselors code and ethics, Ga. Asn. Sch. Counsr., 64; ed. Proceedings of first state conference on vocational aspects of counselor education, May 23-24, 1968, Ga. Dept. Ed., 68; auth. Childhood vocational development, Ga. Ed. J., 12/66. Address: Town House Apt. 15, S. Lumpkin St., Athens, Ga. 30601.
- ROOS, DR. LESLIE LEON, JR. Political Science. See L-Z Vol. 11th ed, Soc. & Behav. Vols. Change of address: Dept. of Political Science, Northwestern University, Evanston, Ill. 60201.
- ROOS, DR. NORALOU PRESTON, b. Pomona, Calif., Apr. 21, 42; m. 63; c. 1. MANAGEMENT, POLITICAL SCIENCE. A.B., Stanford, 62; Woodrow Wilson School, Princeton, 63; M.A., 64; Ph.D. (polit. sci.), Mass. Inst. Tech., 68. ASST. PROF. polit. sci., Mass. Inst. Tech., 68-69; ORGN. BEHAV., NORTHWESTERN, 70- Polit. Sci. Asn. Organizational behavior; public administration; American government; political development. Publ.: Co-auth. Secondary analysis in developing areas, Pub. Opinion Quart., 67, Students and politics in contemporary Turkey, In: Students in revolt, Houghton, 69 & Administrative change in a modernizing society, Admin. Sci. Quart., 70. Address: Dept. of Organizational Behavior, Graduate School of Management, Northwestern University, Evanston, Ill. 60201.
- ROOS, DR. PHILIP. Experimental Psychology. See L-Z Vol. 11th ed, Soc. & Behav. Vols. New position: Exec. dir., Nat. Asn. Retarded Children, 68- Address: 6600 Boulevard E, West New York, N.J. 07093.
- ROOSE, DEAN KENNETH D(AVIS). Economics. See L-Z Vol. 11th ed, Soc. & Behav. Vols. New position: V. pres., Am. Coun. on Ed., 68- Address: 8106 Thoreau Dr., Bethesda, Md. 20804.
- ROOSEVELT, PROF. PAUL HAMILTON, b. Albion, Ill., Mar. 23, 26; m. 49; c. 2. SPEECH & HEARING. B.S., Eastern Illinois, 50; M.A., Northwestern, 52; Ph.D. (speech path), Southern Illinois, 59. Speech therapist, pub. schs., Kansas, Ill., 50-55; instr. SPEECH PATH., EAST TEXAS STATE, 52-56, asst. prof., 58-60, assoc. prof., 60-64, PROF., 64- U.S.M.C., 44-46, Sgt.

Speech & Hearing Assn. Auditory perception; speech development in retardates; speech discrimination. Address: Speech & Hearing Clinic, East Texas State University, Commerce, Tex. 75428.

ROOT, DR. ROBERT TALLMADGE, b. North Adams, Mass., July 5, 31; m. 58; c. 1. PSYCHOLOGY, A.B. Harvard, 54; M.A., Minnesota, 56; fel., Maryland, 59, Ph.D. (psychol.), 62. Res. asst., Human Resources Res. Off., 56-58; teaching asst. exp. & introd. psychol., Maryland, 58-60; staff psychologist, Dunlap & Assoc., 60-61; proj. dir., U.S. Army Personnel Res. Off., 61-63; asst. proj. dir., support sys. res. div., U.S. Army Behav. Sys. Res. Lab., 63-67; staff psychologist, HRB-SINGER, INC., PA, 67-68, BR. MGR., 68- AAAS: Psychol. Assn. Applied visual research; driver behavior; attitude measurement; man-computer interaction. Publ: Sr. auth., Further validation of subjective scales for loudness and brightness by means of cross-modality matching. Am. J. Psychol., 78: 285-289; Man-computer communication in image interpretation, 9: 521-528 & co-auth., A method of rank ordering system design alternatives using an analysis of variance model, 10: 5-10, Human Factors. Address: 637 Wilshire Dr., State College, Pa. 16801.

ROREME, DR. CLARENCE RUFUS. Economics. See L-Z Vol. 11th ed., Soc. & Behav. Vols. New information: Independent health consult, 69- Address: 15 Charles St., New York, N.Y. 10014.

RORER, DR. LEONARD GEORGE, b. Dixon, Ill., Dec. 24, 32; m. 69; c. 2. PSYCHOLOGY, B.A. Swarthmore Col., 54; Ph.D. (psychol.), Minnesota, Minneapolis, 63. RES. ASSOC. PSYCHOL. OFF. RES. INST., 62- Adj. asst. prof., Oregon, 66-67; Nat. Insts. Ment. Health spec. res. fel., California, Berkeley, 67-68. Clin. psychologist & consult. Vet. Admin., 68- AAAS: Psychol. Assn. Eugenics Soc.; Soc. Multivariate Exp. Psychol. Human judgment and decision making models; personality theory and assessment; classification and treatment of psychopathology. Publ: The great response style myth, 65 & co-auth., An analysis of variance model for the assessment of configural cue utilization in clinical judgment, 68, Psychol. Bull. & Optimum cutting scores to discriminate groups of unequal size and variance, J. Appl. Psychol., 66. Address: Oregon Research Institute, P.O. Box 3196, Eugene, Ore. 97403.

RORHOLM, PROF. NIELS, b. Nakskov, Denmark, Apr. 14, 22; U.S. citizen; m. 51; c. 2. ECONOMICS, RESOURCE ECONOMICS. Ph.D. (econ.), Minnesota, 54. Res. asst. agr. econ., Minnesota, 49-53, instr., 53-54; asst. prof., RHODE ISLAND, 54-56, asst. prof. & head, dept., 56-57, PROF. FOOD & RESOURCE ECON. & CHMN. DEPT., 57- Mem. rev. group sea grant proj. proposals, Nat. Sci. Found., 68- Agr. Econ. Assn., Nat. Security Indus. Assn.; Nat. Planning Assn. Marine economics, particularly economic impact of marine activities in the Coastal Zone. Publ: Economic impact of Narragansett Bay, 63 & co-auth., Economic impact of marine-oriented activities—Southern New England, 67, Univ. Rhode Island & Socio-economic study of Narragansett Bay, Rhode Island, Fed. Water Pollution Control Admin., U.S. Dept. Interior, 69. Address: Dept. of Food & Resource Economics, 128 Woodward Hall, University of Rhode Island, Kingston, R.I. 02881.

ROSANDER, DR. ARLYN (CUSTER). Mathematical Statistics. See L-Z Vol. 11th ed., Soc. & Behav. Vols. New information: Independent consult, 69- Address: 732 Harrington Rd., Rockville, Md. 20852.

ROSCOE, DR. JOHN H. Geography. See L-Z Vol. 11th ed., Soc. & Behav. Vols. Change of address: 20 Holden Court, Portola Valley, Calif. 94025.

ROSE, DEAN ROBERT EUGENE, b. Vandalia, Mo., Feb. 24, 28; m. 53; c. 2. MARKETING, BUSINESS ADMINISTRATION. B.A., Colo. State Col., 50, M.A., 52; Ph.D. (bus. ed.), Iowa, 63. Coordinator distributive ed., Arvada High Sch., Colo., 52-53; from instr. to assoc. prof. mkt. & bus. admin., Boise Jr. Col., 53-65; prof. mkt. & chmn. div., Boise Col., 65-68; dean sch. bus. & pub. admin., Boise State Col., 68-70; DEAN SCH. BUS. & ECON. WEBER STATE COL., 70- Nat. Bus. Ed. Assn. Marketing education; teacher training. Publ: Weakness in vocational education for sales and related occupations, Nat. Bus. Ed. Assn. Yearbook, 68; The open door, Balance Sheet, 68. Address: School of Business & Economics, Weber State College, Ogden, Utah 84403.

ROSEBOROUGH, DR. HOWARD E(RNEST). Sociology. See 11th ed., Soc. & Behav. Vols., deceased 69.

ROSEDALE, DR. MARILYN YVONNE, b. Buffalo, N.Y., Feb. 1, 34. SPEECH PATHOLOGY, AUDIOLOGY. B.Sc. Marquette, 56; A.M. Temple, 58; Ph.D. (humanities), 66. ASSOC. PROF. SPEECH PATH. & SWAHILI, STATE UNIV N.Y. COL. GENESIO, 66- Defense fcls, Inst. African Studies, Duquesne, 66 & 67. Speech & Hearing Assn. Language disintegration; syntactic functioning in the aging process; remediation of severe language problems in intellectually potentially normal children. Publ: Response to a test for aphasia of an apparently non-neurologically damaged geriatric population, Dissertation Abstracts, 66. Address: Dept. of Speech Pathology, State University of New York College at Geneseo, Geneseo, N.Y. 14454.

ROSEN, DR. ALBERT. Psychology. See L-Z Vol. 11th ed., Soc. & Behav. Vols. New position: Co-dir., White Oak Psychol. Center, 68- Address: 917 S. Belgrade Rd., Silver Spring, Md. 20902.

ROSEN, DR. HARVEY S., b. Cleveland, Ohio, Mar. 5, 42; m. 65; c. 2. ECONOMICS. B.B.A., Western Reserve, 64, Nat. Defense Ed. Act fcls, 67-69, M.A., 67, Ph.D. (econ.), Case Western Reserve, 69; California, Berkeley, 65-69- Consult., Cent. Nat. Bank, Cleveland, 68-70; N.A.M. Lumber Co., 68-; Sindell, Sindell, Bourne, Markus, 69- Econ. Assn. Monetary theory: foreign exchange; international trade. Publ: Dissertation abstract, Appalachian Inst. Rev., spring 69; Measuring Cleveland's business activity, Cent. Econ. Letter, 2/69; A euro-dollar primer, Cent. Nat. Bank of Cleveland Econ. Letter, 7/69. Address: Dept. of Economics, Cleveland State University, Cleveland, Ohio 44115.

ROSEN, DR. LAWRENCE, b. Philadelphia, Pa., June 20, 37; m. 62; c. 2. SOCIOLOGY. B.S. Drexel Inst., 60; M.A., Temple, 63, Ph.D. (sociol.), 68. Instr. chem, Drexel Inst., 60-63; lectr. SOCIOLOG., Temple, 65-67; instr., Smith Col.,

67-68, ASST. PROF., 68-69; TEMPLE, 69- Mem. adv. bd. dir., Int. Library Surv. Res., 68-69. Sociol. Assn.; Soc. Study Social Probs. Crime and delinquency; deviance; methods of research; statistics. Publ: Co-auth., Mate selection in the upper class, Sociol. Quart., spring 66 & An evaluation of the Lander approach to ecology of delinquency, fall 67 & auth., Matriarchy and lower class Negro delinquency, fall 69, Soc. Probs. Address: Dept. of Sociology, Temple University, Philadelphia, Pa. 19122.

ROSEN, MARTIN M. Economics. See L-Z Vol. 11th ed., Soc. & Behav. Vols. New position: Pres., First Wash. Securities Corp., 69- Address: 2115 Paul Spring Rd., Alexandria, Va. 22307.

ROSEN, PROF. SANFORD JAY. Law. See 5th ed., Dir. Am. Scholars, Vol. IV, Philos., Rel., & Law.

ROSENAU, DR. NORAH, b. Buenos Aires, Argentina, Dec. 23, 33; U.S. citizen; m. 55; c. 1. PSYCHOLOGY, A.B. Douglass Col., Rutgers, 56; Ph.D. (soc. psychol.), N.Y. Univ., 64. Sr. tech. aide soc. psychol., Bell Tel. Labs., N.J., 56-63; res. assoc. guid. ed., upgrading proj., teachers col., Columbia, 64-65; asst. prof. psychol., Newark Col. Arts & Sci., Rutgers, 65-67; RES. & WRITING, 67- Psychol. Assn. Attitudes and attitude change; personality development; social learning. Publ: Co-auth., Social and cultural foundations of guidance: a sourcebook, Holt, 68; Dissonance or defensiveness?, J. Personality, 64. Address: 3880 Fairlawn Dr., Columbus, Ohio 43220.

ROSENBERG, ALLEN BERYLL, b. Hampton, Va., June 13, 34; m. 58; c. 2. ECONOMICS, LABOR ECONOMICS. B.S., Wilkes Col., 56; M.S., Illinois, Urbana, 57; Utah, 59; Pittsburgh, 62-69. Asst. to dir., Labor Mgt. Citizens Cmt., Wilkes-Barre, Pa., 57; employ. mgr. Hamberger's of N.J., Div. R.H. Macy's, N.Y., 57-62; instr. econ., WEST LIBERTY STATE COL., 62-65, asst. prof. econ. & labor econ., 65-68; ASSOC. PROF. ECON. & LABOR ECON. & HEAD DEPT. ECON., 68- Dir., Proj. AWAKE, 69- Labor-mgt. consult, 62-U.S.A., 58-60. Labor-management relations; regional economics; labor-management consulting. Address: Dept. of Economics, School of Business, West Liberty State College, West Liberty, W.Va. 26074.

ROSENBERG, DEAN GUY LOUIRE, b. Moline, Ill., Apr. 3, 35; m. 58. COUNSELING & VOCATIONAL PSYCHOLOGY. B.S. in Ed., Western Illinois, 57, M.S. in Ed., 60; Ph.D. (student personnel), Iowa, 69. Teacher, elem. sch., Ill., 57-58; asst. guid., Western Illinois, 58-59, instr. & head res., Hursh Hall, 60-62, guid. counsl., Jr. high sch., Ill., 59-60; placement counsl., Iowa, 65-66; ASSOC. PROF. PSYCHOL. & DEAN OF STUDENTS, PERU STATE COL., 66- Mem. develop. proj. cmt. & pres. prog. cmt. on student affairs, Nebr. State Col. Syst., 69-70; v.chmn. adv. cmt. Nebr. Am. Col. Testing Prog., 69- The study of undergraduate academic advising in university settings; factor analytic studies of the Minnesota multiphasic personality inventory using experimentally independent scales. Address: Office of the Dean of Students, Peru State College, Peru, Nebr. 68421.

ROSENBERG, DR. HERBERT H(ARRIS). Political Science, Economic Development. See L-Z Vol. 11th ed., Soc. & Behav. Vols. New position: Dir. off. resources anal., 68-, National Institutes of Health, Room 4031 Bldg. 12-A, 9000 Wisconsin Ave., Bethesda, Md. 20814.

ROSENBERG, DR. J. MITCHELL. Political Science. See L-Z Vol. 11th ed., Soc. & Behav. Vols. New position: lectr. polit. sci., New Sch. Soc. Res., 70- New publ.: Jerome N. Frank: jurist and philosopher, Philos. Libr., 70- Address: 901 Ave. H, Brooklyn, N.Y. 11230.

ROSENBERG, DR. LEON A(ARON). Psychology. See L-Z Vol. 11th ed., Soc. & Behav. Vols. New information: Dir. res. Martin Luther King Jr. Parent & Child Center, 68- Address: 9008 Samoset Rd., Randallstown, Md. 21133.

ROSENBERG, PROF. LEONARD BOYNE, b. Newark, N.J., July 26, 27; m. 59. POLITICAL SCIENCE & HISTORY. B.S., N.Y. Univ., 48; M.A., Seton Hall, 55; M.A., New Sch. Soc. Res., 60, Ph.D. (polit. sci.), 67. Chmn. dept. soc. sci., high sch., N.J., 53-67; PROF. POLIT. SCI., PATERSON STATE COL., 67- William A. Whitehead award, 67-68; mem. Center Study Democratic Insts., 68- Polit. Sci. Assn. Development of political parties and institutions; study of the world of the founding fathers, especially the formation of the United States Constitution. Publ: The failure of the Socialist Party of America, Rev. Polit., 7/69, A new look at America's first constitution, Int. Rev. Hist. & Polit. Sci., 12/69 & Constitutional supremacy, an early advocate of judicial review, Duquesne Law Rev., 12/69. Address: 3 Elizabeth Court, Maywood, N.J. 07067.

ROSENBERG, LOUIS. Sociology, Statistics. See L-Z Vol. 11th ed., Soc. & Behav. Vols. New information: Emere. res. dir. & res. consult., 69-, Canadian Jewish Congress, 493 Sherbrooke St. W., Montreal, Que., Can.

ROSENBERG, DR. MERVIN, b. Bayonne, N.J., Apr. 22, 25; m. 53; c. 5. PSYCHIATRY. B.A., Ohio State, 49; M.D., Manitoba, 55. Private gen. practice, 55-62; res. psychiat., Inst. of Living, Hartford, Conn., 62-64, chief res., 64-65, res. psychiatrist, 65-67; med. coordinator, Constitution Plaza, Inc., Travelers Ins. Co., 67-69; private practice psychiatrist, 69- U.S.A., 43-46. Psychiat. Assn.; Am. Med. Assn. The use of computers in medical record keeping with special emphasis on the psychiatric record for use in clinical decision making. Publ: Co-auth., The computer and the clinical decision process, 5: 595-599 & Automation of behavioral observations on hospitalized psychiatric patients, 8: 926-929, Am. J. Psychiatry; Attitudes of nursing students toward computers, Nursing Outlook, 7: 44-46. Address: Constitution Plaza, Inc., 1 Constitution Plaza, Hartford, Conn. 06103.

ROSENBERG, DR. STANLEY DAVID, b. New York, N.Y., Mar. 30, 44; m. 66; c. 1. SOCIOLOGY, SOCIAL PSYCHOLOGY. B.S., Cornell, 65; fel. Yale, 67-68, Ph.D. (sociol.), 68. ASST. PROF. PSYCHIAT. SOCIOLOG., DARTMOUTH MED. SCH., 68. Sociol. Assn. Social psychiatry; small groups; culture and personality. Publ: Co-ed., Readings in the sociology of small groups, Prentice-Hall, 70; auth., Hospital culture as collective defense, 2/70 & co-auth., The new neo-Freudians: psychoanalytic dimensions of social change, (in press), Psychiatry. Address: Dept. of Psychiatry, Dartmouth Medical School, Dartmouth College, Hanover, N.H. 03755.

- ROSENBERGER, DR. HOMER TOPE. History. See 5th ed, Dir. Am. Scholars, Vol. 1, Hist.
- ROSENBLATT, DR. PAUL C(ONRAD). Social Psychology, Social Anthropology. See L-Z Vol, 11th ed, Soc. & Behav. Vols. New position: Assoc. prof. family soc. sci. & psychol, 69-, Division of Family Social Science, University of Minnesota, St. Paul, Minn. 55101.
- ROSENBLUM, PROF. SIDNEY. Developmental Psychology. See L-Z Vol, 11th ed, Soc. & Behav. Vols. New position: Prof, 69-, Dept. of Psychology, University of New Mexico, Albuquerque, N.Mex. 87106.
- ROSENCRANZ, PROF. HOWARD A(LEX). Sociology, Psychology. See L-Z Vol, 11th ed, Soc. & Behav. Vols. New position: Assoc. prof, 69-, Dept. of Sociology, University of Connecticut, Storrs, Conn. 06268.
- ROSENFELD, DR. EVA. Behavioral Science. See L-Z Vol, 11th ed, Soc. & Behav. Vols. New information: Sr. res. scientist, grad. sch. arts & sci., N.Y. Univ, 70- Address: 7 Washington Square N, New York, N.Y. 10003.
- ROSENFELD, DR. JEROME B, b. Brooklyn, N.Y., Sept. 21, 37; m. 67; c. 2. PSYCHOLOGY. A.B., Brooklyn Coll, 59; Ph.D.(psychol), Indiana, 66. Fel. PSYCHOL, N.Y. Univ, 66-67; ASST. PROF., DENVER, 67- Information processing; relaxation therapy; visual imagery. Address: Dept. of Psychology, University of Denver, Denver, Colo. 80210.
- ROSENFELD, JOEL M. Organizational Behavior, Chemistry. See L-Z Vol, 11th ed, Soc. & Behav. Vols. New position: Mgr. & mkt. planning, mech. drive turbine dept, Gen. Elec. Co., 70- Address: 305 Eastern Ave, Chelsea, Mass. 02150.
- ROSENMAN, DR. MARTIN F, b. Brooklyn, N.Y., Aug. 22, 42. CLINICAL PSYCHOLOGY. B.S. Florida, 64; M.A., Arkansas, 66; Ph.D.(clin. psychol), South Carolina, 69. Teaching asst. PSYCHOL, South Carolina, 66-67; intern, Cent. State Hosp, Milledgeville, Ga, 68-69; ASST. PROF., MOREHOUSE COL, 69-Summer psychometrist, res. on Head Start Prog, 67. Psychol. Asn. Personality, psychopathology, group psychology, and add. groups. Par. Dogmatism and the mov. Dr. Strangelove, 20; 942 & co-auth, Empathy in schizophrenics, neurotics, and normals, 21; 863-864, Psychol. Reports; A failure to replicate an epilepsy scale of the MMPI, J. Clin. Psychol. (in press). Address: 558 Ansley Forest Dr, Atlanta, Ga. 30324.
- ROSENQUIST, PROF. CARL M(ARTIN). Sociology. See L-Z Vol, 11th ed, Soc. & Behav. Vols. Change of address: 248 Los Angeles Blvd, San Anselmo, Calif. 94960.
- ROSENSTEIN, DR. ALVIN J(AY). Psychology. See L-Z Vol, 11th ed, Soc. & Behav. Vols. New position: Assoc. prof, sch. bus. admin, 68- Address: 76 Gail Dr, New Rochelle, N.Y. 10805.
- ROSENTHAL, DR. HOWARD L, b. Wilkinsburg, Pa., Mar. 4, 39; m. 67; c. 2. POLITICAL SCIENCE. B.S., Mass. Inst. Tech, 60, Nat. Defense Ed. Act fel, 60-63, Soc. Sci. Res. Coun. fel, 63-64, Ph.D.(polit. sci), 64. For. Area fel, West. Europe, 64-65; asst. prof. polit. sci., California, Irvine, 65-66. INDUST. ADMIN. & POLIT. SCI., GRAD. SCH. INDUST. ADMIN., CARNEGIE-MELLON UNIV, 66-68, ASSOC. PROF., 68-, DIR. DATA ARCH, 66-Europan rep, Roper Pub. Opinion Res. Center, Williams Col, 64-68, chmn. cmt. tech. consult, 66-; Soc. Sci. Res. Coun. grad. comput. training, 65; vis. prof, Hebrew Univ, Jerusalem & vis. res. assoc, Israel Inst. Appl. Soc. Res, 68-69. World Asn. Pub. Opin. Res. Coalition theory; public opinion and voting; quantitative statistical analysis; comparative politics; simulation. Publ: The popularity of Charles de Gaulle, Pub. Opinion Quart, fall 67, Voting and coalition models in election simulations, In: Simulation and the study of politics, Markham, 68 & The electoral politics of Gaullists in the Fourth French Republic: ideology or constituency interest, Am. Polit. Sci. Rev, 6/69. Address: Graduate School of Industrial Administration, Carnegie-Mellon University, Pittsburgh, Pa. 15213.
- ROSENTHAL, PROF. VIN. Psychology. See L-Z Vol, 11th ed, Soc. & Behav. Vols. Correction: Prof. psychol, Northeast, Ill. State Col, 66- Address: 815 Indian Rd, Glenview, Ill. 60025.
- ROSI, DR. EUGENE JOSEPH. Political Science. See L-Z Vol, 11th ed, Soc. & Behav. Vols. Change of address: Dickinson College, Carlisle, Pa. 17013.
- ROSKENS, PROF. RONALD WILLIAM, b. Spencer, Iowa, Dec. 11, 32; m. 54; c. 4. EDUCATIONAL PSYCHOLOGY. B.A., Northern Iowa, 53, M.A., 55; Ph.D.(ed. psychol), Iowa, 58. Teacher, high sch, Iowa, 53-54; asst. ed., Northern Iowa, 54-55; asst. counsr. to men, Iowa, 55-59; asst. prof. counseling & spec. ed. & dean of men, KENT STATE, 59-65; asst. prof. admin. & spec. ed., 63-65; assoc. prof. spec. ed. & asst. to pres. & dean admin, 65-66, PROF. spec. ed., 66-68, COUNSELING & PERSONNEL SERV., 68-, V-PRES, 66- Mem. Nat. Exec. Corps & Fed. Off. Emergency Preparedness, 67- Consult. Acad. Ed. Development, 68- Mem. bd. dirs, United Church Bd. Homeland Ministries, 67- AAAS; Psychol. Asn.; Ed. Res. Asn. Verbal learning in gifted children; differential learning of American and foreign students; college student attitudinal influences. Publ: Co-auth, Paradox, process and progress, Kent State Univ, 69; Investigation of certain qualitative aspects of verbalization of gifted children, Am. Ed. Res. J, 66; auth, Unethical academic behavior in high school and college, J. Ed. Res, 66. Address: Dept. of Counseling & Personnel Services, Kent State University, Kent, Ohio 44240.
- ROSENER, DEAN LESTER J, b. New York, N.Y., Aug. 9, 15; m. 38; c. 1. POLITICAL SCIENCE. B.S., City Col. New York, 35; LL.B., St. Lawrence, 38, J.D., 67; M.A., Columbia, 48. Asst. regional counsel, Nat. Housing Agency, 46-47; lawyer, private practice, 47-49; partner & sr. analyst, Surv. Inst. Inc., 49-54; asst. cmnr. admin, New York City Dept. Health, 54-67; regional dir. admin, U.S. Dept. Housing & Urban Development, 67-69; PROF. MGT. & DEAN OF ADMIN, BARUCH COL, CITY UNIV. NEW YORK, 69- Lectr. sch. bus. & pub. admin, Baruch Col, 55-60; sch. pub. health, Columbia, 55-68;
- grad. sch. pub. admin, N.Y. Univ, 60-68. Ord.C. U.S.A., 43-46, 1st Lt. Soc. Pub. Admin; Polit. Sci. Asn; Pub. Health Asn. Utilization of professional personnel in health care administration; development of improved systems for health data collection; storage and retrieval. Publ: Some techniques for meeting personnel shortages, 4/64 & co-auth, Improved use of health professionals, 2/70, Am. J. Pub. Health; auth, Applications of automatic data processing to management operations in a public health agency, Pub. Health Reports, 7/65. Address: Dept. of Management, Bernard M. Baruch College, 17 Lexington Ave, New York, N.Y. 10010.
- ROSOVE, DR. PERRY E. Anthropology. See L-Z Vol, 11th ed, Soc. & Behav. Vols. New position & address: Mgr., 69-, Education Systems/Computer Sciences Institute, Computer Sciences Corp, 650 N. Sepulveda Blvd, El Segundo, Calif. 90245.
- ROSOW, PROF. IRVING. Sociology. See L-Z Vol, 11th ed, Soc. & Behav. Vols. New position & address: Prof, 69-, Langley Porter Institute, University of California Medical Center, 401 Parnassus, San Francisco, Calif. 94122.
- ROSS, PROF. BILLY IRVAN, b. Murray, Ky, Jan. 21, 25; m. 49; c. 1. MARKETING, JOURNALISM. B.J. Missouri, 46; M.A., Eastern New Mexico, 52; Ph.D.(journalism, mkt), Southern Illinois, 64. Advert. mgr, High Plains J, Kans, 48-51; asst. prof. journalism & advert. & dir. pub. rels, Ky. Wesleyan Col, 52-55; asst. prof. journalism & advert. & faculty bus. mgr, pub. Houston, 55-62; PROF. ADVERT. & MKT, TEXAS TECH, 64- CHMN. I. ADVERT. MASS COMMUN, 70- Ed. co-chmn, joint cmn. Advert. Fedn. Advt. 65-66. U.S.A., 43-46, Res. 46-, Col. Acad. Advert.(pres, 60-61). International advertising. Publ: Advertising education, Am. Asn. Advert. Agencies & Am. Acad. Advert, 65; co-auth, Toward professionalism in advertising, Alpha Delta Sigma, 69. Address: 3429 55th St, Lubbock, Tex. 79413.
- ROSS, DR. DAVID PHILLIPS, b. Vilna, Alta, July 27, 20; m. 63; c. 3. ECONOMICS. B.A., Alberta, 62, M.A., 64; Ph.D.(econ), Duke, 68. Res. economist, dept. labour, Can. Govt, 66-68; ASST. PROF. ECON, WINDSOR, 68- Am. Econ. Asn; Indust. Rel. Res. Asn; Can. Econ. Asn. Adjustment to technological change; wage theory. Publ: The economics of privately negotiated technological change provisions, Proc. Indust. Rel. Res. Asn, 67; An economic interpretation of technological change provisions, Monthly Labor Rev, 4/68; The non-strike: practical solution or Utopian fantasy? Queen's Quart, winter 69. Address: Dept. of Economics, University of Windsor, Windsor, Ont, Can.
- ROSS, DR. DOUGLAS G, b. Philadelphia, Pa., June 26, 38; m. 61; c. 3. PSYCHOLOGY. B.A., Lebanon Valley Col, 60; M.A., Bowling Green State, 62; Nat. Inst. Ment. Health fel, Lehigh, 66-67, 68, Ph.D.(psychol), 68. Instr. PSYCHOL, St. Olaf Col, 61-64; teaching asst. Lehigh, 64-66; instr. exten. center, Pa. State, 66-67; ASST. PROF., MONMOUTH COL.(LL.B.), 67-, ACTING CHMN. DEPT., 68- Psychol. Asn. Temporal aspects of perceptual processing. Publ: Lengthening of time estimates in four different temporal patterns of visual light stimulation, Psychonomic Sci, 69; co-auth, Visual reaction time in normal and handicapped children, Perceptual & Motor Skills, 69. Address: Dept. of Psychology, Monmouth College, Monmouth, Ill. 61462.
- ROSS, PROF. EVA J(EANY). Sociology. See L-Z Vol, 11th ed, Soc. & Behav. Vols. New information: No longer chmn, Dept. of Sociology, Trinity College, Washington, D.C. 20017.
- ROSS, DEAN HOWARD I, b. Montreal, Que, Dec. 10, 07; m. 38; c. 2. MANAGEMENT, ACCOUNTING. B.A., McGill, 30; M.A., Oxford, 32; hon. D.Sc., Sherbrooke, 63; LL.D., Queens, 64, Sir George Williams, 65. Partner, Touche, Ross & Co., 42-69; DEAN MGT, MCGILL, 69-, chancellor, 64-69. Mem. Royal Cmn. Inquiry 60-62; Cmn. Financing Higher Ed., 64-65. Can. Inst. Chartered Acct.(pres, 63). Theory of financial reporting. Publ: The elusive art of accounting, Ronald, 66 & Financial statements—a crusade for current value, Pitman, 69. Address: Dept. of Management, McGill University, Montreal 110, Que, Can.
- ROSS, DR. HOWARD N, b. New York, N.Y., Oct. 20, 30. ECONOMICS. A.B. Columbia, 51, Ph.D.(econ), 64. Instr. ECON, Columbia, 55-56; Yale, 56-60. BARUCH COL. CITY UNIV. NEW YORK, 60-63, ASST. PROF., 64- Consult. off. tax anal, U.S. Treasury Dept, 64-68. Econ. Asn. Determination of relative prices and industry structure; economic development in the United States, 1869-1929, under laissez-faire; money and prices. Publ: Economic growth and change in the U.S. under laissez-faire, 1869-1929, In: Age of industrialism in America, Free Press, 68. Address: Dept. of Economics, Baruch College, City University of New York, 17 Lexington Ave, New York, N.Y. 10010.
- ROSS, PROF. HUGH A(LAN). Law. See 5th ed, Dir. Am. Scholars, Vol. IV, Philos. Relig. & Law.
- ROSS, PROF. HUGH LAURENCE. Sociology. See L-Z Vol, 11th ed, Soc. & Behav. Vols. New position: Prof, 67-, Dept. of Sociology & Law, College of Law, University of Denver, 200 W. 14th Ave, Denver, Colo. 80204.
- ROSS, DR. IVAN, b. Kankakee, Ill., Mar. 29, 40; m. 69. INDUSTRIAL PSYCHOLOGY. B.A., Miami Univ, 61; M.S., Purdue, 63, Ph.D.(psychol), 66. Res. psychologist, Gen. Mills, Inc, 65-67; assoc. prof. psychol. & social, Chapman Col, World Campus Afloat, 67-68; asst. prof. MKT, MINNESOTA, MINNEAPOLIS, 68-70, ASSOC. PROF., 70- AAAS; Psychol. Asn; Mkt. Asn. Determinants of consumer decision-making behavior in the marketplace; manpower planning and personnel evaluation; test development; attitude measurement. Publ: Handling the neutral vote in paired comparison testing, J. Mkt. Res., 2/69; Role of the consumer psychologist in business schools, Proc. Am. Mkt. Asn. Ed. Conf, 8/69; Self-concept and brand preference, J. Bus, 7/70. Address: 2061 Utah Ave, St. Louis Park, Minn. 55426.
- ROSS, PROF. JOHN E(LTON). Mass Communication. See L-Z Vol, 11th ed, Soc. & Behav. Vols. New information: Also chmn, 69-, Dept. of Agricultural Journalism, University of Wisconsin, 1 Agricultural Hall, Madison, Wis. 53706.

- ROSS, DR. WESLEY F (FREDERICK), b. Erie, Pa. Feb. 23, 41; m. 62; c. 1. CLINICAL PSYCHOLOGY. A.B. Kentucky, 62, M.A., 64, Ph.D. (psychol), 69. Asst. dir. counseling psychol. Ky. Coop. Counseling & Testing Serv., 63-64; psychologist, Vet. Admin. Hosp. Lexington, 64-66; staff psychologist, psychol. serv. U.S. Pub. Health Serv. Hosp., 66-67; RES. PSYCHOLOGIST, psychol. sect, CLIN. RES. CENTER, NAT. INSTS. MENT. HEALTH, 67-69. WOMEN'S ADDICTION SERV., 69- Instr. Kentucky, 69- Consult, student health serv., Kentucky, 66-69. U.S.P.H.S., 66-, Lt. Comdr. Psychol. Asn; Asn. Correctional Psychol. Psychological problems relating to the treatment and rehabilitation of persons dependent upon drugs. Publ: Co-auth, The relation of the A-B distinction and trust-distrust sets to addict patients' self-disclosures in brief interviews, (in press) & Skill versus chance activity preferences as alternative measures of locus of control: an attempted cross-validation, (in press), J. Consult. & Clin. Psychol. & Crossvalidation of the Hull-Monroe acceptability for psychotherapy scale for addict males, J. Clin. Psychol., 1/40. Address: National Institute of Mental Health Clinical Research Center, Box 102, Lexington, Ky. 40507.
- ROSSER, PROF. NEILL A (LBERT). Educational Psychology. See L-Z Vol, 11th ed. Soc. & Behav. Vols. New position: Prof. & chmn, 69-, Division of Specialized Professional Services, School of Education, University of North Carolina at Chapel Hill, Chapel Hill, N.C. 27514.
- ROSSER, COL. RICHARD FRANKLIN, U.S.A.F. b. Arcanum, Ohio, July 16, 29; m. 51; c. 3. POLITICAL SCIENCE. B.A. Ohio Wesleyan, 51; M.P.A., Syracuse, 52, Ph.D. (polit. sci.), 61. U.S. AIR FORCE, 52-, commun. intel. officer, 61-63, instr. POLIT. SCI., U.S. AIR FORCE ACAD., 59-61, asst. prof., 61-63, assoc. prof., 63-67, PROF. & HEAD DEPT., 67- Polit. Sci. Asn; Int. Studies Asn; Inst. Strategic Studies. Soviet foreign policy; American defense policy; military education; international politics. Publ: An introduction to Soviet foreign policy, Prentice-Hall, 69; The study of American defense policy & Soviet national objectives: the key to Soviet defense policy, In: American defense policy, Hopkins, 68. Address: Dept. of Political Science, U.S. Air Force Academy, Colorado Springs, Colo. 80840.
- ROSSI, DR. ERNEST E. b. Ambridge, Pa. Jan. 28, 29; m. 63; c. 2. POLITICAL SCIENCE, INTERNATIONAL RELATIONS. B.A., Duquesne, 53; M.Litt, Pittsburgh, 55, Ph.D. (polit. sci.), 64; Italian For. Off. ltr. & Cert, Hopkins Sch. Adv. Int. Studies, Bologna, 57. Instr. polit. sci., Pittsburgh, 57-58; vis. asst. prof., West Virginia, 58-60; asst. prof., Catholic Univ., 60-65; res. assoc. for areas, American Univ., 65-66; ASSOC. PROF. POLIT. SCI. WEST. ERN MICHIGAN, 66- U.S.A.F., 46-49, S/Sgt. Polit. Sci. Asn. Comparative politics; United States foreign policy; Italian politics. Publ: Co-auth, Handbook for Kenya, Am. Univ. & Govt. Printing Off., 67. Address: 6426 Sussex St., Portage, Mich. 49081.
- ROSSI, DR. JEAN J (JOSEPH). Clinical Psychology. See L-Z Vol, 11th ed. Soc. & Behav. Vols. New position: Prog. dir., 69-, Alcoholism & Drug Dependency Rehabilitation, Lutheran General Hospital, Park Ridge, Ill. 60068.
- ROSSIDES, DR. DANIEL WALTER, b. Brooklyn, N.Y. June 8, 25; m. 53; c. 2. SOCIOLOGY, POLITICAL SCIENCE. B.A. Columbia, 50, Ph.D. (govt), 58. Instr. & asst. prof. SOCIOL. Hunter Coll., 53-63; assoc. prof., York (Ont.), 63-68; ASSOC. PROF. & CHMN. DEPT. BOWDOIN COL., 68- U.S.M.C., 43-46. Sociol. Asn. Social theory; social stratification. Publ: Society as a functional process: an introduction to sociology, McGraw, Toronto, 68. Address: Dept. of Sociology, Bowdoin College, Brunswick, Maine 04011.
- ROTH, DR. DAVID F. Political Science. See L-Z Vol, 11th ed. Soc. & Behav. Vols. New position & address: Res. assoc., 69-, Behavioral Sciences Lab, Ohio State University, 404-B, W. 17th Ave, Columbus, Ohio 43210.
- ROTH, PROF. NORMAN R (APHAEL). Sociology. See L-Z Vol, 11th ed. Soc. & Behav. Vols. New information: Also acting acad. v.pres., 69-, Sacramento State College, 6000 J St, Sacramento, Calif. 95819.
- ROTH, DR. ROBERT HAROLD, JR. b. New Castle, Ind., Aug. 20, 41. SOCIOLOGY. A.B. Purdue, 63; James B. Duke ltr. Duke, 63-64, Nat. Defense Ed. Act ltr., 64-66, A.M., 65, travel grants, 65-66, univ. ltr., 66-67, Ph.D. (sociol), 67. ASST. PROF. SOCIOL. OHIO STATE, 67-, U.S. Air Force Sci. Res. res. grant, 67-69. Sociol. Asn. Social psychology; comparative social systems; small groups. Publ: Cross-cultural perspectives on disaster-response, Am. Behav. Scientist, 1/70. Address: Dept. of Sociology, Ohio State University, 1775 S. College Rd., Columbus, Ohio 43210.
- ROTHBART, DR. MYRON. Psychology. See L-Z Vol, 11th ed. Soc. & Behav. Vols. New position & address: Asst. prof., 69-, Dept. of Psychology, University of Oregon, Eugene, Ore. 97403.
- ROTHBAUM, PROF. MELVIN. Economics. See L-Z Vol, 11th ed. Soc. & Behav. Vols. New information: Also dir., 68-, Institute of Labor & Industrial Relations, University of Illinois, 504 E. Armory Ave, Champaign, Ill. 61820.
- ROTHENBERG, DR. BARBARA B (ROSS). Child Psychology. See L-Z Vol, 11th ed. Soc. & Behav. Vols. New position & address: Res. clin. psychologist, 68-, Children's Health Council, 700 Willow Rd., Palo Alto, Calif. 94304.
- ROTHMAN, DR. DAVID J. American History. See 5th ed. Dir. Am. Scholars, Vol. I, Hist.
- ROTHROCK, DR. KENNETH M. b. Caldwell, Kans. Aug. 24, 39; m. 62; c. 1. SOCIOLOGY. B.S. Kansas, 62, Ph.D. (sociol), 68. Instr. SOCIOL. Wis. State, Eau Claire, 64-65; ASST. PROF., BOWLING GREEN STATE, 68- AAAS: Sociol. Asn. Voluntary associations; social organization under stress. Address: Dept. of Sociology, Bowling Green State University, Bowling Green, Ohio 43402.
- ROTHSTEIN, PROF. PAUL FREDERICK. Law. See 5th ed. Dir. Am. Scholars, Vol. IV, Philos. Relig. & Law.
- ROTHSTEIN, PROF. ROBERT. Biology, Clinical Pathology. See Suppl. V to 11th ed. Phys. & Biol. Vols.
- ROTTMAN, DR. DICK LAVELLE, b. Tablerock, Nebr., Oct. 25, 37; m. 59; c. 2. FINANCE. B.S. Arizona State, 61; M.A., Pennsylvania, 63, Ph.D. (bus. econ), 65. Asst. prof. bus. admin., Arizona State, 64-66; ASSOC. PROF., Arkansas, 66-67; FINANCE, MISSOURI-COLUMBIA, 67- U.S.N., 55-58. Finance Asn; Risk & Ins. Asn. Risk management; all areas of insurance and pensions. Publ: Co-auth, Investment risks in life company portfolios, J. Am. Soc. Chartered Life Underwriters, 7/68; auth, Riot damage, municipal liability & insurance, Ins. Law J., 7/68 & Analysis of perpetual insurance, J. Risk & Ins., 3/69. Address: Dept. of Finance, School of Business & Public Administration, University of Missouri-Columbia, Columbia, Mo. 65201.
- ROULETTE, DR. THOMAS GRIER, b. Erie, Pa. Nov. 28, 28; m. 59; c. 3. INDUSTRIAL PSYCHOLOGY. A.B., Gettysburg Coll., 49; M.S., Pa. State, 51; Ph.D. (indust. psychol.), Western Reserve, 65. Occup. analyst mil. manpower, Dept. of the Army, 52-55, proj. dir. test develop., 55-58; res. asst. indust. psychol., Personnel Res. Inst., Western Reserve, 58-62; res. assoc., 62-65; INDUST. PSYCHOLOGIST, ARABIAN AM. OIL CO., 66- Lectr., Fenn Coll., 62-64; Western Reserve, 64; asst. prof., Kent State, 64-65. U.S.A.R., 49-64, Capt. AAAS: Psychol. Asn; Acad. Polit. & Soc. Sci. Psychological test development and applications; management assessment and development; attitude and opinion surveys; intercultural relations; organizational behavior; manpower planning. Address: Box 1446, Dhahran, Saudi Arabia.
- ROUMASSET, CHARLES A. Economics. See L-Z Vol, 11th ed. Soc. & Behav. Vols. New information: Chmn. regional staff cmt, U.S. Dept. Labor, San Francisco, 68- & mem., San Francisco Fed. Exec. Bd., 69- Address: 151 Wildwood Ave, San Carlos, Calif. 94070.
- ROVNER, DR. JEROME SYLVAN. Zoology, Animal Behavior. See Suppl. V to 11th ed. Phys. & Biol. Vols.
- ROWE, DR. J. Z. Economics. See L-Z Vol, 11th ed. Soc. & Behav. Vols. New position: Asst. V.pres., Fed. Res. Bank Br., 69- Address: 14550 Carolcrest, Houston, Tex. 77024.
- ROWE, PROF. JOHN (HOWLAND). Anthropology. See L-Z Vol, 11th ed. Soc. & Behav. Vols. New information: Hon. L.H.D. Brown, 69. Address: Dept. of Anthropology, University of California, Berkeley, Calif. 94720.
- ROWE, DR. PRESTON B. JR. b. New Bedford, Mass. June 6, 40; m. c. 4. PSYCHOLOGY. A.B., Dartmouth Coll., 62; Woodrow Wilson ltr., Mass. Inst. Tech., 62-63, Ph.D. (psychol), 67. ASST. PROF. PSYCHOL., HAVERFORD COL., 67- Am. Acad. Art & Sci. Psychol. Asn. Experimental psychology; psycholinguistics; human learning and perception. Publ: Co-auth, Spread of social influence on children's judgments of numerosity, J. Personality & Soc. Psychol., 66. Address: Dept. of Psychology, Haverford College, Haverford, Pa. 19041.
- ROWELL, DR. JOHN T (HOMAS). Clinical Psychology. See L-Z Vol, 11th ed. Soc. & Behav. Vols. New position: Pres., N.C. Leadership Inst., Inc., 69- Address: 3014 Lawndale Dr., Apt. A, Greensboro, N.C. 27402.
- ROWLAND, DEAN D. WAYNE, b. Lakewood, N.Mex. Apr. 12, 22; m. 44; c. 5. JOURNALISM, MASS COMMUNICATIONS. B.J., Missouri, 47, M.A., 55; Ph.D. (higher ed.), Southern Illinois, 60. Newspaper reporter, ed. publisher, Mo., 46-54; asst. prof. journalism, Southern Illinois, 55-59; prof. & chmn. dept., Texas Christian, 59-67; Syracuse, 67-69; DEAN SCH. JOURNALISM, DRAKE, 69- U.S. State Dept. leader, specialist, Korea, 57; Fulbright lectr., Silliman, Philippines, 65-66. Asst. ed. The Quill, U.S.A., 43-46, 1st Lt. Asn. Ed. in Journalism. Newspaper journalism; the American two-year college in higher education. Address: 1942 N.W. 90th, Des Moines, Iowa 50322.
- ROWLAND, DR. GEORGE THOMAS, b. Abilene, Tex. Dec. 4, 29. EDUCATIONAL PSYCHOLOGY. B.S.E.D. Texas, Austin, 65, ltr., 67-68, Ph.D. (ed. psychol), 68. Res. assoc. II, early childhood ed. res. & develop. center for teacher ed., Texas, Austin, 66-67, teaching asst. ed. psychol., 66-68, res. assoc. III, curriculum develop. proj., 68; ASST. PROF. ED., N.Y. UNIV., 68- Lectr., Peace Corps, Afghanistan, 67. Interam. Soc. Psychol.; Psychol. Asn; Ed. Res. Asn. System of evaluating the educational encounters of children from the culture of poverty; development of intelligent behavior. Publ: Co-auth, Curriculum for the seventies, Houghton, 68 & auth, The mind of man, Prentice-Hall, 71; co-auth, The development of intelligent behavior, six articles in series, Psychol. in the Schs, 68- Address: 199 W. Houston St., New York, N.Y. 10014.
- ROWSON, RICHARD CAVANAGH, b. Hollywood, Calif., Apr. 7, 26; m. 52; c. 2. POLITICAL SCIENCE, INTERNATIONAL AFFAIRS. A.B., California, Berkeley, 46; cert. French, Sorbonne, 49; M.I.A., Columbia, 50. Trainee, For. Policy Asn., 50-51; asst. dir., World Affairs Coun. R.I., 51-52; For. Policy Asn., 52-56, exec. asst. to pres., 56-60, dir. finance & develop., 60-62, assoc. dir. policy, Free Europe, Inc., 62-63; dir. free world anal., Radio Free Europe, Munich, Germany, 63-64, dir. East European res. & anal., 64; dir. policy & planning, Free Europe, Inc., 64-69; DIR. SPEC. PROJS. DIV., PRAEGER PUB., 69- Lectr., R.I. Col. Ed., 51-52; Cooper Union, 54. Mem. speakers bur., For. Policy Asn., 52-62; exec. dir., Shawnee Leadership Inst., 60-64, chmn. bd. dirs., 64- U.S.N.R., 44-47, Lt. (jg), Polit. Sci. Asn. Hist. Asn; Asn. Pub. Opinion Res.; Int. Studies Asn. Eastern European affairs; United States foreign policy; international communications. Publ: Strasbourg balance sheet, Columbia J. Int. Affairs, winter 49; U.S. foreign policy under, Inst. Int. Ed. Bull., 9/58; The American commitment to private international practical communications, Law & Contemporary Probs., 6/66. Address: 147 Charter Rd., Jamaica, N.Y. 11435.
- ROZYCKI, PROF. JEROME J (JOSEPH). Sociology. See L-Z Vol, 11th ed. Soc. & Behav. Vols. New information: Also dir. corrections prog., Detroit, 69- Address: 18262 Muirland, Detroit, Mich. 48221.

- RUBEL, PROF. ARTHUR J (JOSEPH). Anthropology. See L-Z Vol. 11th ed, Soc. & Behav. Vols. New position: Prof. 69-, Dept. of Sociology & Anthropology, University of Notre Dame, Notre Dame, Ind. 46556.
- RUBIN, DR. ELI Z (UNDER). Clinical Psychology. See L-Z Vol. 11th ed, Soc. & Behav. Vols. New position & address: Dir. 68-, Northeast Guidance Center, 17000 E. Warren, Detroit, Mich. 48224.
- RUBIN, DR. JEFFREY. b. New York, N.Y. Jan. 21, 41. PSYCHOLOGY. A.B. Antioch Coll. 63; Ph.D. (psychol.), Columbia, 68. Nat. Insts. Ment. Health fel. PSYCHOL. North Carolina, 68-69; ASST. PROF. TUFTS, 69- Am. Psycho. Assn. award to attend 19th Int. Cong. Psychol. Psychol. Assn. Interpersonal bargaining in dyads and larger groups; interpersonal influence via the use of promises and threats; bystander intervention and socially responsible behavior; social perception. Publ: The nature and success of influence attempts in a four party bargaining relationship, 70; & co-auth. The effects of size of conflict and sex of experimenter upon interpersonal bargaining, 70, J. Exp. Soc. Psychol. Address: Dept. of Psychology, Tufts University, Medford, Mass. 02155.
- RUBIN, DR. JESSE GALLANT. Psychiatry. See Suppl. V to 11th ed, Phys. & Biol. Vols.
- RUBIN, DR. JOAN, b. Detroit, Mich. June 7, 32. ANTHROPOLOGY. LINGUISTICS. B.A. Michigan, 54, M.A. 56; Yale & Cutler Univs. fcls, Yale, 59-60, Nat. Inst. Ment. Health fel. & grant, 60-63, Ph.D. (anthrop), 63. Res. asst. machine transl. & instr. English as a for. lang. Georgetown, 56-58; asst. prof. anthrop. American Univ. 63-65; North Carolina, Chapel Hill, 65-66; George Washington, 66-68; SR. FEL. SOCIOLOGY, INST. ADV. PROJ. HAWAII, 68. Nat. Sci. Found. grant, 65; Wenner-Gren Found. for Anthropol. res. grant, 65-68. Fel. AAAS; Ling. Soc. Am. fel. Anthropol. Assn. Language planning in developing nations; bilingualism in Paraguay; formal techniques in the study of culture change. Publ: National bilingualism in Paraguay, Mouton, 68; Toward the use of formal methods in the detection of culture change, Proc. Eighth Int. Cong. Anthropol. & Ethnol. Sci. 68; Language and education in Paraguay, In: Language problems in developing nations, Wiley, 68. Address: 2011 Hermitage Ave. Wheaton, Md. 20902.
- RUBIN, DR. MORTON. Sociology. See L-Z Vol. 11th ed, Soc. & Behav. Vols. New information: Also v.chmn. 69-, Dept. of Sociology, Northeastern University, Boston, Mass. 02115.
- RUBIN, DR. ROBERT TERRY. b. Los Angeles, Calif. Aug. 26, 36; m. 62; c. 2. MEDICINE, PSYCHIATRY. A.B. California, Los Angeles, 58; M.D. California, San Francisco, 61. Intern. Phila. Gen. Hosp. SCH. MED. CALIFORNIA, LOS ANGELES, 62, res. dept. psychiat. 62-65, ASST. PROF. PSYCHIAT. 65-, ASSOC. MEM. BRAIN RES. INST. 69- Res. psychiatrist, Navy Med. Serv., U.S. Unit, San Diego, 67-69, psychiat. consult, 69- U.S.N.R. 67-69, Lt. Comdr. Psychiat. Assn. Psychosomatic Soc. Col. Psychiat. Int. Soc. Psychoneuroendocrin. Biochemical and physiological correlates of stress and mental illness. Publ: Adrenal cortical activity changes in manic depressive illness: influence on intermediary metabolism of tryptophan, 67 & Multivariate analyses of manifest psychopathology and urine biochemical measures in manic depressive illness, 70, Arch. Gen. Psychiat. Multiple biochemical and physiological correlates of illness, J. Psychosom. Res. 69. Address: Neuropsychiatric Institute, 760 Westwood Plaza, Los Angeles, Calif. 90024.
- RUBIN, DR. STANLEY (RWDN). Psychology. See L-Z Vol. 11th ed, Soc. & Behav. Vols. Information address: 2420 Brian Dr. Beachwood, Ohio 44121.
- RUBIN, DR. VERA. Anthropology. See L-Z Vol. 11th ed, Soc. & Behav. Vols. New publ: Co-auth. We wish to be looked upon: a study of the aspirations of youth in a developing society, Teachers Col. Columbia Univ. 69. Address: Research Institute for the Study of Man, 162 E. 78th St, New York, N.Y. 10021.
- RUBINGTON, DR. EARL. Sociology. See L-Z Vol. 11th ed, Soc. & Behav. Vols. New position & address: Prof. 69-, Dept. of Sociology, Northeastern University, 580 UR, 360 Huntington Ave, Boston, Mass. 02115.
- RUBINOFF, DR. LIONEL. Philosophy. See 5th ed, Dir. Am. Scholars. Vol. IV, Philos. Relig. & Law.
- RUBOTTOM, PROF. R. RICHARD, JR. b. Brownwood, Tex. Feb. 13, 12; m. 38; c. 3. GOVERNMENT, JOURNALISM. B.S. Southern Methodist, 32, M.A. 33; Texas, 38-40; LL.D., Northwestern. Col. (Kans), 68. Traveling secy. Lambda Chi Alpha, 33-45; asst. grad. student life, Texas, 37-41; v-pres. State Nat. Bank, Corsicana, Tex. 46-47; secy. of embassy & consul, U.S. Dept. State For. Serv. Bogota, Columbia, 47-49, officer-in-charge Mex. affairs, State Dept. 50, dep. dir. Mid. Am. affairs, 51, dir. 52-53, dir. U.S. Econ. Mission, Spain, 53-56, Asst. Secy. of State for Intern-Am. Affairs, 56-60, U.S. Ambassador to Argentina, 60-61, adn. Naval War Col. 62-64, V.PRES. PLANNING & PROF. GOVT. SOUTHERN METHODIST, 64- Discussion group adminstr. For. Policy Assn. 68; vice-chmn. U.S. del. to Inter-Am. Cultural Coun. Port of Spain, Trinidad, summer 69. U.S.N.R. 41-46, Comdr. United States relations with Latin America as a whole and with individual countries; Inter-American system; organization of American states. Publ: The goals of U.S. policy in Latin America, 7/62 & An assessment of current American influence in Latin America, 7/66, Ann. Am. Acad. Polit. & Soc. Sci.; The Inter-American system: an evaluation, Naval War Col. Rev. 6/64, Address: SMU Box 102, Southern Methodist University, Dallas, Tex. 75222.
- RUCHELMAN, DR. LEONARD I. Political Science. See L-Z Vol. 11th ed, Soc. & Behav. Vols. New position & address: Assoc. prof. polit. sci. 69-, Dept. of Government, Lehigh University, Bethlehem, Pa. 18015.
- RUCHLIN, DR. HIRSCH S. b. New York, N.Y. Feb. 25, 42; m. 67; c. 1. ECONOMICS, INDUSTRIAL RELATIONS. B.A. Yeshiva Col. 63; M.A. Columbia, 65, Ph.D. (econ.), ASST. PROF. ECON. & ED. TEACHERS COL. COLUMBIA, 68- Econ. Assn; Indust. Rels. Res. Assn. Manpower economics.
- RUCKER, PROF. ARTHUR J (JOSEPH). Anthropology. See L-Z Vol. 11th ed, Soc. & Behav. Vols. New position & address: Assoc. prof. 69-, Dept. of Psychology, Mankato State College, Mankato, Minn. 56001.
- RUCKER, DR. WILLIAM BERKLEY. Biochemical & Physiological Psychology. See L-Z Vol. 11th ed, Soc. & Behav. Vols. New position & address: Assoc. prof. 69-, Dept. of Psychology, Mankato State College, Mankato, Minn. 56001.
- RUDA, DR. OSVALDO JORGE, b. Buenos Aires, Argentina, Feb. 23, 28; m. 51; c. 2. PSYCHOLOGY, PHILOSOPHY. B.A. Buenos Aires, 45; Lic. Phil. 53, M.A. 55; Bachelier français, Paris, 47, French Govt. scholar, 47-48; dipl. psychol. Nat. Univ. of the South, Argentina, 58; Ph.D. (philos.), La Plata, 68. Asst. psychologist, Univ. Buenos Aires, 56-57; prof. logic & psychol. Nat. Univ. of the South, Argentina, 57-61, dir. inst. humanities, 59-60; consult. psychologist, Mil. Hosp. de Campo de Mayo, Buenos Aires, 63-66; asst. prof. PSYCHOL. Univ. Buenos Aires, 66-68; OTTAWA (ONT), 68-70, ASSOC. PROF. 70-, CONSULT. COMP. ED. CENTER, 69- Interam. Soc. Psychol.; Can. Psychol. Assn. History of psychology; epistemological foundations of psychology; theories of personality and their relations to philosophical anthropology. Publ: Misión psicopedagógica en la Patagonia, Univ. Nacional del Sur, Bahía Blanca, Argentina, 60; co-auth. Psicoanálisis, reflexología y conversión Cristiana, Ediciones Certeza, Córdoba, Argentina, 65; auth. Problemática de la conciencia psicológica, moral y religiosa en William James, Buenos Aires, Argentina, 70. Address: Faculty Room 369, University of Ottawa, 1245 Kilbourn Ave, Ottawa, 8, Ont, Can.
- RUDERMAN, DR. FLORENCE A. b. New Haven, Conn. July 23, 29. SOCIOLOGY. A.B. Radcliffe Col. 51; Ph.D. (sociol.), Columbia, 66. Res. assoc. & proj. dir. attitudes & structure med. profession, bur. appl. soc. res. Columbia, 50-60; proj. dir. family structure & soc. instns. Child Welfare League Am. 62-65; res. fel. med. col. Cornell, 66-67; ASST. PROF. SOCIOLOGY, BROOKLYN COL. 67- Mem. Yivo inst. Jewish Res. AAAS: Sociol. Assn. Soc. Sci. Study. Relig. Pub. Health of the American Society for Sociological Research; sociology of religion and family; survey research. Publ: Co-auth. Doctors and family planning, Nat. Cmt. Maternal Health, 63; auth. Child care and working mothers, Child Welfare League Am. 68; Our species learns to be human, N.Y. Acad. Sci. 70. Address: Dept. of Sociology, Brooklyn College, Brooklyn, N.Y. 11210.
- RUDIN, DR. STANLEY (ARTHUR). Psychology. See L-Z Vol. 11th ed, Soc. & Behav. Vols. New information: Private practice, 70. Address: P.O. Box 1414 Charleston, W.Va. 25325.
- RUDNER, PROF. RICHARD (SAMUEL), b. New York, N.Y. Oct. 3, 21; m. 46; c. 2. PHILOSOPHY. B.A. Queens Col. 46, M.A. Pennsylvania, 48, Ph.D. 49. Asst. instr. philos. Pennsylvania, 46-48; instr. Cornell, 48-49; asst. prof. Washington (St. Louis), 49-52; res. asst. prof. logic, dept. of systs. anal. & prin. investr. Naval Sysys. Proj. Tufts, 52-54; asst. prof. PHILOS. Swarthmore Col. 54-56; from asst. prof. to prof. Mich. State, 56-62; PROF. & CHMN. DEPT. OF PHILOSOPHY (ST. LOUIS), 62-68. Res. assoc. ops. res. & methodological probs. Census Bur. Case Inst. Tech. ops. res. group, Gen. Elec. Corp. mgt. sci. inst. Univ. California; cmt. on Chinese thought, Far East. Assn; State of Mich. Dept. Ment. Health; Rand Corp. Mem. philos. of sci. panel, Nat. Sci. Found. U.S.A. 42-43. Fel. AAAS (coun. mem. 64); Philos. Sci. Assn. ed-in-chief, Philos. of Sci. 59-. Philosophy of science and the application of logic and the techniques of analytic philosophy to its problems; problems of methodology in the social sciences. Publ: Co-auth. Logical analysis, the sentential calculus, and high speed computer techniques in small group research, Tufts Col. 53; auth. Philosophy of social sciences, Prentice-Hall, 66. Address: Dept. of Philosophy, Washington University, St. Louis, Mo. 63130.
- RUDOFF, DR. ALVIN, b. Bridgeport, Conn. Dec. 10, 21; m. 49. SOCIOLOGY. B.A. Southern California, 49, M.A. 60; California, Los Angeles, 49-52; Ph.D. (sociol.), California, Berkeley, 64. Res. coordinator criminal, Calif. Dept. Corrections, 55-62; PROF. SOCIOLOGY, SAN JOSE STATE COL., 62-, DIR. CENTER INTERDISCIPLINARY STUDIES, 66. Lectr. Sch. Soc. Welfare, California, Berkeley, 60-62, res. assoc. Inst. Human Develop. 65-66; San Jose State Found. grant, 62-65; Nat. Inst. Ment. Health grant award, 66-68; Fed. Voc. Rehab. grant award, 67-71. AAAS: Sociol. Assn. Soc. Study. Soc. Probs. Criminology: socialization and personality: racial and ethnic minorities. Publ: PICO, a measure of casework in corrections, 1/59; co-auth. An aid to needy children program: a study of types and responses to casework services, Community Ment. Health J. 2/69 & Jail inmates on work furlough, Criminologica, 11/69. Address: Dept. of Sociology, San Jose State College, San Jose, Calif. 94114.
- RUDOLPH, DR. LUTHER DAY. Information Science. See Suppl. V to 11th ed, Phys. & Biol. Vols.
- RUDOV, DR. MELVIN H. Engineering & Physiological Psychology. See L-Z Vol. 11th ed, Soc. & Behav. Vols. New position: Dir. Pittsburgh Off. Am. Insts. Res. 70- Address: 1660 Beechwood Blvd, Pittsburgh, Pa. 15217.
- RUDY, PROF. NORMAN. Statistics. See L-Z Vol. 11th ed, Soc. & Behav. Vols. New position & address: Prof. indust. eng. Holon Institute of Technology, 52 Golomb St, Holon, Israel.
- RUE, PROF. JOHN E. b. Mapleton, Minn. Apr. 5, 24; m. 57; c. 2. POLITICAL SCIENCE, HISTORY. B.A. Minnesota, 44, M.A. 53, Ph.D. (polit. sci.), 63. Instr. soc. sci. Minnesota, 57-58; polit. sci. Reed Col. 58-60; asst. prof. San Fernando Valley State Col. 61-64; vis. asst. prof. Stanford, 64-65; assoc. prof. 65-66, res. assoc. Hoover inst. 66-67; assoc. prof. POLIT. SCI. OAKLAND, 67-69, PROF. 69-. Res. fel. Hoover inst. Stanford, 65-66; Soc. Sci. Res. Coun. fel. 66-67, Polit. Sci. Assn. Assn. Asian Studies. Origins and development of Maoist ideology as a type of ideology and as an example of

- one way ideologies develop. Publ: Mao Tse-Tung in opposition, 1927-1935, Stanford, 66. Address: Dept. of Political Science, Oakland University, Rochester, Mich. 48063.
- RUBENK, DR. DAVID CHARLES, b. Adrian, Mich. Dec. 13, 33; m. 60; c. 3. SOCIOLOGY. B.S. Mich. State, 57; M.S. N.C. State, 65, Ph.D. (sociol.), 67. Exten. agent, Mich. Agr. Exten. Serv. 57; prog. dir. ed. Farmers & World Affairs, 60-63; res. asst. SOCIOL. N.C. State, 64-65, instr. summer 66; ASST. PROF. TEXAS A&M, 67. U.S.A.F. 57-60, 1st Lt. Social. Asn. Rural Social. Soc. Examination of occupational and personal adjustments of workers from rural to metropolitan high-income surplus areas who undergo intensive retraining then are relocated to metropolitan areas. Publ: Co-auth, Mexican Americans from the Rio Grande to Ling-Temco-Vought, Labor Law J. 8/69. Address: Dept. of Sociology & Anthropology, Texas A&M University, College Station, Tex. 77843.
- RUEVENI, DR. URI, b. Tel-Aviv, Israel, July 10, 33; U.S. citizen; m. 57; c. 2. PSYCHOLOGY. B.S. Pittsburgh, 61, M.Ed. 63; Ph.D. (counseling), Mich. State, 66. Res. lab. family ther., Pittsburgh Child Guidance Center, Pa. 60-61; counselor, St. Francis Hosp., Pa. 61-62; Pittsburgh Guild for the Blind, 62-63; chief psychologist, South. Mich. State Correctional Inst., 63-66; asst. prof. teaching in res. Temple, 66-67; res. dir. career consultation of U.S. Army Officers, res. lab. Franklin Inst., 66-68; dir. group dynamics prog., ment. health center, Hahnemann Coll. 68-70; SCH. CONSULT., HUMAN RELS. TRAINING PROG. FOR SCHS, N.E. COMMUNITY MENT. HEALTH CLIN, PHILA. 70. Asst. instr. counseling center, Mich. State, 64-66; lectr., sensitivity training prnl. staff & consult. group psychother. progs. State Correctional Inst. Phila. 66-67; lect. orgn. develop. workshop for mngs. & consult. Westinghouse Elec. Co. 68; lectr. ment. health training prog. Community Col. Phila. 68-; consult. bur. govt. & bus. training, Temple, 69-; staff develop. progs. Stoddard Fleischer Jr. High Sch. 69-; Bd. Educ. 70- Psychol. Asn. Application of new group psychotherapeutic approaches to mental health; community intervention programs in social-psychological training interventions with a variety of community organizations; utilizing group technology in human relations training. Publ: The application of sensitivity training techniques in the development of interpersonal skills and effective teamwork among mental health and community worker students, Nat. Ass. Psychiat. Tech. 70; co-auth, Using encounter group techniques in the treatment of social network of the schizophrenic family, Int. J. Group Psychother., 10/69; auth, Using sensitivity training for the development of teamwork with nursing supervisors, Hosp. Topics, Todays Hosp. Practices, 48: 42-44. Address: 8501 Elliston Dr., Wyndmoor, Pa. 19118.
- RUGG, PROF. DEAN SPRAGUE. Geography. See L-Z Vol. 11th ed. Soc. & Behav. Vols. New position: Prof. 69-, Dept. of Geography, University of Nebraska, Lincoln, Nebr. 68508.
- RUGGLES, ROBERT THOMAS. Economics, Statistics. See L-Z Vol. 11th ed. Soc. & Behav. Vols. New position: Mgr. pension fund investments, 69-, Imperial Tobacco Co. of Canada Ltd, 3610 St. Antoine St, Montreal, Que., Can.
- RUGH, PROF. (ARTHUR) DOUGLAS. Psychology. See 11th ed. Soc. & Behav. Vols. deceased 69.
- RULON, DR. PHILIP R. History of American Education, American Social & Intellectual History. See 5th ed. Dir. Am. Scholars, Vol. I, Hist.
- RUMBAUGH, PROF. DUANE M (ARWIN). Experimental Psychology. See L-Z Vol. 11th ed. Soc. & Behav. Vols. New position & address: Assoc. dir., 69-, Yerkes Regional Primate Research Center, Emory University, Atlanta, Ga. 30322.
- RUMNEY, DR. GEORGE RICHARD. Geography. See L-Z Vol. 11th ed. Soc. & Behav. Vols. New pub: The geosystem, dynamic integration of land, sea and air, W.C. Brown, 70. Address: Dept. of Geography, University of Connecticut, Storrs, Conn. 06268.
- RUNGELING, DR. BRIAN S, b. Manchester, Eng. Aug. 19, 37; U.S. citizen; m. 62; c. 3. ECONOMICS. B.A. Florida, 59, M.A. 61; Texas, 65-67; Ph.D. (econ), Kentucky, 69. Asst. econ. Florida, 59-61; instr. U.S. Armed Forces Inst., 63-64; East Carolina, 64-65; teaching asst. Texas, 65-67; res. assoc. Kentucky, 67-68; asst. prof. Auburn, 69-70; ASST. PROF. ECON. & MGT & CO-DIR. MID-SOUTH REGIONAL MANPOWER DEVELOP. CENTER, MISSISSIPPI, 70. Instr. Alaska, 63-64; grant in aid, Auburn, 69-70. U.S.A.F. 61-65, 1st Lt. Econ. Asn. Supply and demand for manpower in the South and Southeast. Publ: Impact of Mexican alien commuters on the apparel industry of El Paso, Texas, 69 & Job penetration of Blacks in Birmingham, Alabama, 70; U.S. Dept. Labor: Apparel industry of El Paso, Texas, El Paso Econ. Rev. 4/70. Address: Dept. of Economics, University of Mississippi, University, Miss. 38677.
- RUNKLE, DEAN GERALD J.T. Philosophy. See 5th ed. Dir. Am. Scholars, Vol. IV, Philos. Relig. & Law.
- RUPE, DR. JESSE C. Industrial Psychology. See L-Z Vol. 11th ed. Soc. & Behav. Vols. New position: Task leader combat assts. res. div. U.S. Army Behav. Sci. Res. Lab. 69- Address: 2104 Shenandoah Rd, Alexandria, Va. 22308.
- RUPLEY, DR. LAWRENCE ARTHUR, b. Huntington, Ind. Dec. 31, 40; m. 66. ECONOMICS. A.B. Manchester Coll. 62; M.A. Illinois, Urbana, 63, Ph.D. (econ), 69; Rotary Found. fel. Ibadan, 64-65. Instr. ECON. Knox Coll. 67-69, asst. prof. 69-70; LECTR. AHMADU BELLO UNIV, NIGERIA, 70- Econ. Asn. Economic growth in less developed countries: public finance and taxation; macroeconomic theory. Publ: Domestically controlled governmental revenue sources for economic development with particular reference to Nigeria, Nigerian Inst. Soc. & Econ. Res. 68. Address: Dept. of Economics, Ahmadu Bello University, Zaria, Nigeria.
- RUPP, DR. RALPH (RUSSELL). Audiology, Speech Pathology. See Suppl. VI to 11th ed. Phys. & Bio. Vols.
- RUPPENTHAL, DR. KARL M. Transportation Economics & Management. See L-Z Vol. 11th ed. Soc. & Behav. Vols. New information: J.D. Kansas, 68. Address: 1711 Guinda St, Palo Alto, Calif. 94303.
- RUSALEM, DR. HERBERT. Educational Psychology. See L-Z Vol. 11th ed. Soc. & Behav. Vols. New position: Asst. dir. res. & demonstration center, Teachers Coll. Columbia, 68- Address: 55 W. 14th St, New York, N.Y. 10011.
- RUSCH, PROF. THOMAS A, b. Milwaukee, Wis. Apr. 24, 19; m. 42; c. 3. POLITICAL SCIENCE. B.S. Wisconsin-Milwaukee, 41; M.A. California, Los Angeles, 49; Char. R. Walgreen & Hillebrand, Chicago, 52. Ford Found. fel. 52-54, Ph.D. (polit. sci.), 55. Instr. polit. sci. Kentucky, 48-50; jr. res. prof. polit. parties, mod. India, California, Berkeley, 54-56; S. Asia prog. officer, Asia Found. 56-58; instr. POLIT. SCI. Oakland City Coll. 58-59; asst. prof. CALIF. STATE COLL. LOS ANGELES, 59-62, assoc. prof. 62-69, PROF. 69- Soc. Sci. Res. Coun. & Am. Coun. Learned Soc. joint grant, 59-60; Calif. State Coll. State Coll. faculty creative res. leave award, 67; Calif. State Coll. Los Angeles Found. grant, 67-69; Nat. Defense Ed. Act, summer fel. for. lang. 69. Acad. Polit. & Soc. Sci. Oriental Soc. Asn. Asian Studies. Comparative politics, especially India; politics of violence and nonviolence as applied to war and revolution; creativity and political change. Publ: Dynamics of Socialist leadership in India, In: Leadership and political institutions in India, Princeton, 59; Socialists in the general elections of 1967, Polit. Sci. Rev. 10-12/68 & Indian Socialists and the nuclear nonproliferation treaty, J. Asian Studies, 8/69. Address: Dept. of Political Science, California State College at Los Angeles, Los Angeles, Calif. 90032.
- RUSHTON, DR. GERARD. Geography, Computer Science. See L-Z Vol. 11th ed. Soc. & Behav. Vols. New position & address: Assoc. prof. 69-, Dept. of Geography, University of Iowa, Iowa City, Iowa 52240.
- RUSIN, DR. MICHAEL HENRY, b. Chicago, Ill. Mar. 26, 40; m. 61; c. 2. APPLIED MATHEMATICS, ECONOMICS. B.A. Calif. Inst. Tech. 59; M.A. Chicago, 69; Ph.D. (appl. math), 69. Staff mem. Operations Anal. Lab. 61-63; proj. officer, Dept. of State, New Delhi, India, 64-66; MATHEMATICIAN, MOBIL RES. & DEVELOP. CORP. 68- Soc. Indust. & Appl. Math. Opera. Res. Soc. Am.; Inst. Mgt. Sci.; Asn. Comput. Mach. Mathematical programming; mathematical economics; economic development of underdeveloped nations. Address: Mobil Research & Development Corp., P.O. Box 1025, Princeton, N.J. 08540.
- RUSNAK, DR. ALAN W (AIS). Clinical Psychology. See L-Z Vol. 11th ed. Soc. & Behav. Vols. New position: Asst. dir. psychol. Woodville State Hosp. 68- Address: 1182 Driftwood Dr, Pittsburgh, Pa. 15243.
- RUSSELL, DR. CHARLES BRADLEY. Mathematics, Statistics. See Suppl. VI to 11th ed. Phys. & Biol. Vols.
- RUSSELL, DR. TERRY M, b. London, U.K. Sept. 1, 36; Can. citizen; m. 58; c. 3. ECONOMICS. B.Sc. London, 57; M.A. Toronto, 60, Ford fel. 61-63, Ph.D. (econ), 66. Economist, Dept. of Labour, Ottawa, 57-59; lectr. econ. McGill, 62-65; DIR. TAXATION & FISCAL POLICY, ONT. TREASURY, 65-; ASST. PROF. ECON. YORK (ONT), 66- Mem. Can. Tax Found. 65. Nat. Tax Asn. Government economic policy; federal-provincial fiscal relations; taxation reform; budgetary policy. Address: 14 Southlea Ave, Toronto 17, Ont. Can.
- RUSSO, DR. J. ROBERT, b. Pa. State, 55, M.S. 59, D.Ed. 63; m. 56; 70; c. 4. PSYCHOLOGY. B.S. Pa. State, 55, M.S. 59, D.Ed. 63. Dir. Settlement House, McKim Community Asn., 55-57; teacher, high sch. Fla. 54, dir. guid. 59-62; dir. delinquency study & youth develop. proj. SOUTHERN ILLINOIS, 63-66, ASSOC. PROF. PSYCHOL. 66- Off. Juvenile Delinquency & Youth Develop. grant, Nat. Inst. Amphetamine Abuse, 66-67; Off. Ed. grant, 69- Consult. treatment proj. Ill. Youth Cmn. 64-68; conflict mgmt. consult. Collinsville Sch. Dist. & res. consult. Ill. Youth Cmn. 69- Personnel & Guid. Asn.; Int. Narcotic Enforcement Off. Asn.; Psychol. Asn. Identification of parameters in change producing environments; relative efficiency and effectiveness of medical hospital and community detoxification of drug dependents; selection and training of nonprofessionals for group treatment techniques. Publ: Amphetamine abuse, C.C. Thomas, 68; Two governmental sources for aptitude testing, Sch. Couns. 5/62; co-auth. Are good counselors open-minded, J. Couns. Ed. & Supv. winter 64. Address: Dept. of Psychology, Southern Illinois University, Edwardsville, Ill. 62025.
- RUST, DR. LAURENCE D (EWITT), b. Chicago, Ill. Nov. 9, 33; m. 64; c. 1. PSYCHOBIOLOGY. A.B. California, Santa Barbara, 59; M.A. McGill, 61; Vt. Admin. train. N.Y. State Univ. N.Y., 61-62; Asst. Prof. Psychol., 61-62, prof. PSYCHOL. Skidmore Coll. 64-66; ASSOC. PROF. STATE UNIV. N.Y. COL. POTSDAM, 66- Res. Found. fel. State Univ. N.Y. Col. Potsdam, 67, 68, grant-in-aid, 68, 69 & 70; summer, Nat. Sci. Found. res. fel. Pa. State, 65. Psychol. consult. Burnt Hills Ballston Lake Sch. Dist. Scotia, N.Y. 66-67. U.S.A. 53-57; Nat. Guard, 59. AAAS; Psychol. Asn. Molecular psychobiology; physiology of cognition; verbal learning. Publ: Changes in bar-pressing performance and heart rate in sleep deprived rats, J. Comp. & Physiol. Psychol. 62; co-auth. Age related retention deficit as a function of learning, J. Am. Geriatric Soc. 64 & Prediction of free recall from a word association measure: a replication, J. Exp. Psychol. 65. Address: Dept. of Psychology, State University of New York College at Potsdam, Potsdam, N.Y. 13676.
- RUTENBERG, DR. DAVID (PETER), b. Coventry, Eng. June 6, 40; Can. citizen; m. 63; c. 2. INTERNATIONAL BUSINESS, OPERATIONS RESEARCH. B.A.Sc. Toronto, 61; M.B.A. California, Berkeley, 64, Ph.D. (bus. admin), 67. Res. engr. Chevron Res. Corp. Standard Oil of Calif. 61-63; ASST. PROF. INDUST. ADMIN. CARNEGIE-MELLON UNIV, 67- Consult. Westinghouse Elec. Corp. 68. Instr. Mgt. Sci. Opera. Res. Soc. Economet. Soc.; Asn. Ed. Inst. Bus. Developing operations research models for planning world wide activities of a multi-national company. Publ: Planning for multi-national synergy, Long Range Planning, 12/69; Organizational archetypes of a multinational company, 3/70 & Maneuvering liquid assets in a multinational company, 1/70. Address: Dept. of Industrial Administration, Carnegie-Mellon University, Pittsburgh, Pa. 15213.

- RUTHENBERG, DR. DONALD B. Sociology, Social Psychology. See L-Z Vol. 11th ed, Soc. & Behav. Vols. New position & address: V-pres. student develop. & res, 68-, University of Redlands, 1200 E. Colton Ave, Redlands, Calif. 92373.
- RUTHERFORD, PROF. ROY M. Religion. See 5th ed, Dir. Am. Scholars, Vol. IV, Philos, Relig. & Law.
- RUTLEDGE, DR. AARON L(ESLIE). Psychology, Counseling. See L-Z Vol. 11th ed, Soc. & Behav. Vols. New information: Exec. dir, Adv. Behav. Sci. Center, 69-; dir, Grosse Pointe Psychol. Center. Address: Advanced Behavioral Science Center, 377 Fisher Rd, Suite C, Grosse Pointe, Mich. 48230.
- RUTROUGH, DR. JAMES ELLIOTT, b. Floyd, Va, Sept. 15, 19; m. c. 2. EDUCATIONAL PSYCHOLOGY. B.S. Va. Polytech, 39, M.S. 56; Ed.D. (ed. admin. psychol. found), Virginia, 68. Teacher & asst. prin. high schs, Va. 39-49; superv. vet. training, State Dept. Ed, 49-54; asst. supt. schs, 54-56, prin. high sch, Fla. 56-58; asst. supt. schs, Va. 58-61; assoc. prof. ed. & psychol. VA. POLYTECH, 61-66, ASSOC. PROF. ED. 66- Res. asst. ed. admin. Univ. Virginia, 65-66; summers, participant, Nat. Seminar on Ed. Media, Ohio State, 67; Sch. Law Seminars, Duke, 67 & 69; U.S. Off. Ed. Inst. on Prog. Eval. Univ. Virginia, 69. Consult, Roanoke County Schs, Va. 66-69; South. Ed. Found. Coop. Inservice Prog. for Supv. Teachers in Va, 67-68. U.S.N.R. 49-54. Administrative behavior in educational administration; behavioral competencies in student teaching and personnel evaluation as related to teacher behavior. Publ: Building a new school plant? the first important step is educational planning, Clearing House, 70; The formal organization: its relation to the informal organization and its impact upon human behavior, Ed. Rev, spring 70; Emerging role of the director of instruction, Ed. Leadership, 4/70. Address: 2125 Derrington Hall, Virginia Polytechnic Institute, Blacksburg, Va. 24066.
- RUTTENBERG, STANLEY H(ARVEY). Economics. See L-Z Vol. 11th ed, Soc. & Behav. Vols. New position: Pres, Stanley H. Ruttenberg & Assocs, Inc, 69- Address: 6310 Maiden Lane, Bethesda, Md. 20034.
- RYAN, DR. JOHN W. JR, b. Pittsfield, Mass, Aug. 23, 30; m. 51; c. 2. PSYCHOLOGY, SOCIOLOGY. B.S. Ed. Mass. State Col, North Adams, 57; M.S. Michigan, 60; fel, Wayne State, 63-64, Ph.D. (ed. psychol), 69. Teacher pub. schs, Mich. 57-66; asst. prof. psychol, Macomb Community Col, 66-67; ASSOC. PROF. PSYCHOL. & SOC. SCI. ROCHESTER INST. TECH, 67- U.S.A. 48-49, U.S.A.F. 50-54, S/Sgt. Psychol. Asst. Nat. Coun. Measurement in Ed; Ed. Res. Asst. Acad. Politt. & Soc. Sci. Adolescent and adult learning processes as they apply to and influence the organization, content and practices of typical classroom situations, and the manner in which teachers are prepared to meet the contingencies presented by the interaction of these factors. Address: 98 Tumbleweed Rd, Pittsford, N.Y. 14534.
- RYAN, SISTER MARY IMMACULATE, F.M.S.C. Educational Psychology, Psychological Measurement. See L-Z Vol. 11th ed, Soc. & Behav. Vols. New position & address: Dir. counseling serv, 69-, Ladycliff College, Highland Falls, N.Y. 10928.
- RYAN, DR. WALTER F(RANCIS). Economics, Statistics. See L-Z Vol. 11th ed, Soc. & Behav. Vols. New position & address: Assoc. dir. econ. fields, 68-, U.S. Census Bureau, Room 2061, Federal Office Bldg. 3, Washington, D.C. 20233.
- RYAN, PROF. WILLI CARSON. Educational Psychology. See 11th ed, Soc. & Behav. Vols, deceased 68.
- RYANS, DR. JOHN KELLEY, JR. Marketing. See L-Z Vol. 11th ed, Soc. & Behav. Vols. New position & address: Asst. dean, 70-, College of Business Administration, Kent State University, 210 Franklin Hall, Kent, Ohio 44240.
- RYDER, PROF. MEYER S. b. Chicago, Ill, Aug. 3, 09; m. 59; c. 1. INDUSTRIAL RELATIONS, LAW. Ph.B. Chicago, 30; LL.B. John Marshall Law Sch, Chicago, 35. Regional dir. Nat. Labor Rel. Bd, 42-48; gen. counsel, Int. Assn. Machinists, 48-50; pub. mem. Nat. Wage Stabilization Bd, 50-53; PROF. INDUST. RELS, MICHIGAN, 53- Chmn. Gov. Cmn. Pub. Utility Disputes, 55; Gov. Cmn. Hosp. Disputes, 57; Minimum Wage Bd, Puerto Rico, 58; vis. prof, Aston, 66; Netherlands Sch. Econ, 67; Tuskegee Inst, 69. Nat. Acad. Arbit. Indust. Rel. Res. Assn. Collective bargaining and industrial conflict. Publ: Co-auth. Management preparation for collective bargaining, Dow Jones-Irwin, 66; auth. Labor disputes in Holland, Univ. Michigan, 70. Address: Dept. of Industrial Relations, Graduate School of Business Administration, University of Michigan, Ann Arbor, Mich. 48104.
- RYDER, PROF. N(ORMAN) B(URSTON). Sociology. See L-Z Vol. 11th ed, Soc. & Behav. Vols. New position: Thorstein Veblen prof. sociol, Dept. of Sociology, University of Wisconsin, Madison, Wis. 53706.
- RYTINA, DR. JOAN HUBER, b. Bluffton, Ohio, Oct. 17, 25; div. c. 2. SOCIOLOGY. B.A. Pa. State, 45; M.A. Western Michigan, 63; Nat. Inst. Ment. Health fel. & Ph.D. (sociol), Mich. State, 67. Instr. German, Pa. State, 45-47; ASST. PROF. SOCIOLOGY, NOTRE DAME, 67- Social. Asn. Social stratification, especially relationship of income and race to ideological views on equality of opportunity in the United States. Publ: Co-auth. Marxist sociology and ideology, Mich. State Univ, 70, Ideology and the distribution of power in the United States, Am. Sociol. Rev, 69 & Income and stratification ideology, Am. J. Sociol, 70. Address: Dept. of Sociology & Anthropology, University of Notre Dame, Notre Dame, Ind. 46556.
- S
- SAALBACH, PROF. WILLIAM F. Economics, Industrial Relations. See L-Z Vol. 11th ed, Soc. & Behav. Vols. Correction: Assoc. prof. econ. Washington & Jefferson Col, 60- New information: Independent pers. personnel consult, 68- Address: 2513 Shenandoah Dr, Pittsburgh, Pa. 15241.
- SABELLI, DR. HECTOR C. Neuropharmacology. See Suppl. V to 11th ed, Phys. & Biol. Vols.
- SABINE, DR. GORDON A(RTHUR). Communications. See L-Z Vol. 11th ed, Soc. & Behav. Vols. New information: Asst. v-pres. univ. rels, 69-, Michigan State University, 202 Administration Bldg, East Lansing, Mich. 48823.
- SABNIS, DR. SUMAN T. Chemical Engineering, Applied & Mathematical Statistics. See Suppl. V to 11th ed, Phys. & Biol. Vols.
- SABOTA, PROF. LEO M(ARCEL). Political Science. See L-Z Vol. 11th ed, Soc. & Behav. Vols. New position & address: Prof. & chmn, 69-, Dept. of Political Science, Midwestern University, Wichita Falls, Tex. 76708.
- SACHS, DR. BENJAMIN D. b. Madrid, Spain, Mar. 4, 36; U.S. citizen; m. 65; c. 1. PSYCHOLOGY. B.A. City Col. New York, 57, M.S. 61; Nat. Inst. Ment. Health fel, Duke, 57-58; Nat. Inst. Ment. Health fel. & Ph.D. (comp. psychol), California, Berkeley, 66. Nat. Insts. Health fel, Inst. Animal Behavior, Rutgers, 66-68; ASST. PROF. PSYCHOL, CONNECTICUT, 68- U.S.A. 58-60. AAAS, Psychol. Asn, Animal Behav. Soc. Reproductive behaviors: aggression, development. Publ: Sexual behavior of male rats after one to nine days without food, J. Comp. Physiol. Psychol, 8/65; co-auth. Sexual behavior: stimulation by painful electrical shock to skin in male rats, Science, 7/68; auth. Photoperiodic control of reproductive behavior and physiology of the male Japanese quail, Hormones & Behavior, 4/69. Address: Dept. of Psychology, University of Connecticut, Storrs, Conn. 06268.
- SACHS, DR. JACQUELINE STRUNK, b. Chicago, Ill, Apr. 8, 39; m. 65; c. 1. PSYCHOLOGY. B.A. Northwestern, 60; Fulbright scholar, Bonn, 60-61; Ph.D. (psychol), California, Berkeley, 66. Nat. Insts. Health fel. ling. Mass. Inst. Tech, 66; mem. tech. staff, Bell. Tel. Labs, 66-68; ASST. PROF. SPEECH, CONNECTICUT, 68- Asst. prof. part-time, Rutgers, 67. Ling. Soc. Asn. Psycholinguistics; cognitive development. Publ: Co-auth. Transposition as a function of single versus double discrimination training, J. Comp. & Physiol. Psychol, 6/4; auth. Recognition memory for syntactic and semantic aspects of connected discourse, Perception & Psychophys, 67; recognition of semantic, syntactic and lexical changes in sentences, Psychonomic Bull, 67. Address: Dept. of Speech, University of Connecticut, Storrs, Conn. 06268.
- SACKMAN, DR. HAROLD. Psychology. See L-Z Vol. 11th ed, Soc. & Behav. Vols. New position: Head info. utilities br, Syst. Develop. Corp. 69- Address: 2500 Colorado Ave, Santa Monica, Calif. 90406.
- SACKS, PROF. SEYMOUR. Economics. See L-Z Vol. 11th ed, Soc. & Behav. Vols. Change of address: Dept. of Economics, Maxwell School, Syracuse, N.Y. 13210.
- SADEK-KOOROS, DR. HMD, b. Cairo, Egypt, Apr. 24, 33; m. c. 3. ANTHROPOLOGY. A.B. American Univ. Cairo, 55; fel, Stanford, 55-56; Ph.D. (anthrop), Harvard, 66. Am. Coun. Learned Soc.-Int. Bus. Mach. Corp. grant, 66-67; RES. FEL. PRIMITIVE TECH, HARVARD, 67- Assoc. ed, Current Anthropol. Fel. Anthropol. Asn; Soc. Am. Archaeol. Publ: Distribution of the bird remains at Jaguar Cave, Tebiva, Vol. 8, No. 1. Address: Dept. of Anthropology, Peabody Museum, Harvard University, Cambridge, Mass. 02138.
- SADLER, PROF. ALBERT W(ILLIAM). Religion. See 5th ed, Dir. Am. Scholars, Vol. IV, Philos, Relig. & Law.
- SADOCK, DR. BENJAMIN. Medicine, Psychiatry. See Suppl. V to 11th ed, Phys. & Biol. Vols.
- SADOSKY, DR. THOMAS LEE. Industrial Engineering, Human Factors. See Suppl. VI to 11th ed, Phys. & Biol. Vols.
- SAENZ, DR. PAUL, b. Silver City, N.Mex, Apr. 1, 42; m. 63; c. 2. POLITICAL SCIENCE, INTERNATIONAL LAW. B.A. Arizona, 64, Ford Found. & Agency Int. Develop. fcls, 64-65, M.A. 65, Nat. Sci. Found. & Woodrow Wilson Fcls, 65-68, Ph.D. (polit. sci), 68. Instr. POLIT. SCI, ARIZONA, 64-68; ASST. PROF. NORTH TEXAS STATE, 68-, Faculty Res. Cmt. grants, 68-70. Nat. Sci. Found. grant develop. undergrad. & grad. prog. polit. sci, Auburn Univ. & Fulbright-Hays res.-teaching grant, Univ. Monrovia, W. Africa, 68-70. Fel. African Studies Asn; Polit. Sci. Asn; Soc. Int. Law; Acad. Polit. Sci. African studies; international and comparative politics; developing areas. Publ: The developing subordinate African regional system, Prentice-Hall, The evolution and development of the Pan-African movement, Penguin, & The organization of African unity, Northwestern Univ. (in press). Address: Dept. of Government, North Texas State University, Denton, Tex. 76203.
- SAGARIN, DR. EDWARD b. Schenectady, N.Y. Sept. 18, 13; m. 36; c. 1. SOCIOLOGY, CRIMINOLOGY. B.A. Brooklyn Col, 61, fel, 61-62, Ph.D. (sociol), N.Y. Univ. 66. Lectr. SOCIOLOGY, Brooklyn Col, 62-63; Pratt Inst, 63-64; CITY COL. NEW YORK, 64-66, ASST. PROF. 66-, summer faculty res. grant. 68. Consult, Inst. Sex Res. Soc. Criminol. (v-pres, 68-); Sociol. Asn; Nat. Coun. Crime & Delinquency; Acad. Politt. & Soc. Sci. Soc. Sci. Study Sex. Deviant behavior including sex deviance; crime and delinquency sex behavior; minority groups. Publ: The anatomy of dirty words, Lyle Stuart, 62; ed. Sex and the contemporary American scene, Am. Am. Acad. Polit. & Soc. Sci, 68; auth. Odd man in: societies of Deviants, Quadrangle, 69. Address: 57 Lincoln Rd, Brooklyn, N.Y. 11225.
- SAGE, DR. ELLIS HENRY, b. LaConner, Wash, Mar. 14, 36; m. 59; c. 1. PSYCHOLOGY. A.B. California Western, 59; B.D. Calif. Baptist Theol. Sem, 62; Ph.D. (counseling psychol), Minnesota, 66. ASST. PROF. PSYCHOL. & COUNSELING PSYCHOLOGIST, ROCHESTER, 66- Psychol. Asn; Personnel & Guid. Asn. Objective personality measurement; small group behavior; counseling. Publ: Developmental scales for college freshmen, J. Counseling Psychol, 7/68. Address: University Counseling Center, University of Rochester, Rochester, N.Y. 14627.

- SAGESER, PROF. A. (DELBERT) BOWER. History. See 5th ed, Dir. Am. Scholars, Vol. I, Hist.
- SAHLSTROM, DR. LOWELL J. b. Onamia, Minn, Oct. 17, 37; m. 59; c. 3. AUDIOLOGY, SPEECH PATHOLOGY. B.S. St. Cloud State Coll, 61; M.A., Mich. State, 64, Ph.D.(audiol), 67. Speech therapist, Princeton Pub. Schs., Minn. 61-63; asst. speech path., Mich. State, 63-67; ASST. PROF. COMMUN. DISORDERS, WISCONSIN STATE-EAU CLAIRE, 67-68; Sig.C. U.S.A. Speech & Hearing Assn. Audiology and hearing science; aural rehabilitation. Publ: Objective measurement of facial movements during production of homophonous words, Speech & Hearing Assn. 11/67. Address: Dept. of Speech, Wisconsin State University-Eau Claire, Eau Claire, Wis. 54701.
- SAINSBURY, DR. ROBERT STEPHEN, b. Halifax, N.S., Apr. 16, 43; m. 64. PSYCHOLOGY. B.A., M. Allison, 63; M.A., Dalhousie, 65; Ph.D.(psychol), McMaster, 69. Fel. Western, Ontario, 68-69; ASST. PROF. PSYCHOL., CALGARY, 69-70. Res. conf. Can. res. grant, 69-70. Human Discrimination learning in human and infrahuman subjects; physiological correlates of behavior. Publ: Co-auth. Development of stimulus control through differential reinforcement. In: Fundamental issues in associative learning, Dalhousie Univ, 69; Discrimination learning with the distinctive feature on positive or negative trials. In: Attention, Appleton, 70; auth. Hippocampal activity during natural behavior in the guinea pig, Physiol. & Behav., 70. Address: Dept. of Psychology, University of Calgary, Calgary, Alta, Can.
- ST. CLAIR, DR. ROBERT MILTON, b. Morgantown, W.Va, Nov. 3, 16; m. 41; c. 6. BUSINESS MANAGEMENT, MARKETING. B.S., N.Y. Univ, 47; M.B.A., 50, Ph.D.(mkt. econ), 68. Instr. MKT. sch. commerce, N.Y. Univ, 48-53; asst. prof. Massachusetts, 53-54; lectr., Maine, 56-57; assoc. prof., Col. William & Mary, Norfolk, 57-59; Fairleigh Dickinson, 59-62; lectr. City Coll. New York, 64-66; ASSOC. PROF. Babson Inst., 66-67; POINT PARK COLL, 67-68. Mkt. Assn. Soc. Adv. Mgt. Evaluation of a credit card system; marketing organization; comparative marketing systems; methods of applying scientific methods to solution of marketing problems. Publ: An analysis of attitudes and opinions of consumers and retailers using a family type credit card system in the New York City area, Univ. Microfilms, 68. Address: 307 Homer Dr., Pittsburgh, Pa. 15235.
- ST. MICHAEL (GUINAN), SISTER, O.S.U. Psychology. See GUINAN, SISTER ST. MICHAEL, O.S.U., this Suppl.
- SAKAMOTO, DR. ARTHUR. Internal Medicine. See Suppl. V to 11th ed, Phys. & Biol. Vols.
- SAKHEIM, DR. GEORGE (ARTHUR). Psychology. See L-Z Vol, 11th ed, Soc. & Behav. Vols. New information: Dir. clin. serv. St. Mary's-in-the-Field, 70- Address: 124 Circle Dr. Hastings on Hudson, N.Y. 10706.
- SALER, DR. BENSON, b. Philadelphia, Pa, May 2, 30; m. 54; c. 3. ANTHROPOLOGY. B.S., Princeton, 52; M.A., Pennsylvania, 57, Ph.D.(anthrop), 60. Instr. Anthropology, Connecticut, 60-63; asst. prof., Brandeis, 63-67; ASSOC. PROF., 68-70. Nat. Sci. Found. grant, 67-71; collab. Seminar Mayan Culture. Summers, Wenner-Gren Found. Anthropol. Res. fel., 66. Nat. Found. Arts & Humanities grant, 67. U.S.A. 54-56. Fel. Anthrop. Assn. Cultural anthropology, especially religion and social organization; fieldwork among Quiché Indians and Guajiro Indians. Publ: Nagual, witch and sorcerer in a Quiché village, Ethnology, 64; Beliefs, disbeliefs, and unbeliefs, Anthropol. Quart., 68; Sorcery in Santiago el Palmar, In: North American Indian witchcraft and sorcery, (in press). Address: Dept. of Anthropology, Brandeis University, Waltham, Mass. 02154.
- SALIH, DR. H. IBRAHIM, b. Kyrenia, Cyprus, Feb. 26, 39; m. 65. INTERNATIONAL RELATIONS, POLITICAL SCIENCE. B.A. Univ. of the Pacific, 63; M.A., American Univ., 65, Ph.D.(int. rels), 67. ASST. PROF. POLIT. SCI., TEX. WESLEYAN COL., 68-70. Polit. Sci. Assn. Analysis of international institutions and history of the Middle Eastern countries. Publ: Cyprus: a nation in name only, Pakistan Press Syndicate, 66; Cyprus: an analysis of Cypriot political discord, T. Gaus Sons, 68. Address: 4909 E. Lancaster Ave., Apt. 71-B, Ft. Worth, Tex. 76103.
- SALISBURY, PROF. RICHARD F(RANK). Social Anthropology. See L-Z Vol, 11th ed, Soc. & Behav. Vols. New information: Chmn., 69-, Dept. of Anthropology, McGill University, Montreal 110, Que., Can.
- SALLAS, DR. GUSTAV A. History, Sociology. See 5th ed, Dir. Am. Scholars, Vol. I, Hist.
- SALLET, PROF. RICHARD. Political Science. See L-Z Vol, 11th ed, Soc. & Behav. Vols. Change of address: 318 S. Ellis St., Salisbury, N.C. 28144.
- SALLOWAY, DR. JEFFREY COLMAN, b. Brookton, Mass, Sept. 19, 41; div. c. 1. SOCIOLOGY. B.A., Tufts, 63; Nat. Defense Ed. Act fel., Boston, 63-66. A.M., 65, univ. ed., 66-67, Ph.D.(sociol), 69. ASST. PROF. sociol., Wisconsin-Milwaukee, 67-70; COMMUNITY HEALTH & SOC. MED. TUFTS, 70. Sociol. Assn. Social psychology; sociology of medicine. Address: Dept. of Sociology, University of Wisconsin-Milwaukee, College of Letters & Science, Milwaukee, Wis. 53201.
- SALMON, DR. JACK DEAN. Political Science. See L-Z Vol, 11th ed, Soc. & Behav. Vols. New position & address: Asst. prof., 69-, Dept. of Political Science, Virginia Polytechnic Institute, Blacksburg, Va. 24060.
- SALTEN, DR. DAVID GEORGE, b. New York, N.Y., Aug. 23, 13; m. 36; c. 3. PSYCHOLOGY, EDUCATION. Soc. W. Wh. Sch. C.N.Y. Univ, 33; A.M., Columbia, 39; Ph.D.(ed. psychol), N.Y. Univ., 44. Teacher, 44-46; Metrop. Voc. High Sch., New York, 40-43, chmn. dept., 43-45, admin. asst., 45-46, prin., 46-50; city supt. schs., Long Beach, N.Y., 50-62; New Rochelle, 62-65; exec. v-pres., Fedn. Jewish Philanthropies, 65-69; SR. V-PRES. & PROVOST, N.Y. INST. TECH., 69-70. Lectr., grad. prog., Hunter Coll., 47-63; N.Y. Univ., 59-61. Consult. U.S. Dep. Health, Ed. & Welfare, 64-65. Mem. exec. cmt.
- Nat. Book Cmt., 67-; app. mem., N.Y. State Ment. Hyg. Coun., 68- U.S. Naval Reserve citation, 47. Fel. AAAS; Psychol. Assn. Construction and validation of tests of achievement in scientific and technical areas; evaluation of multimedia approaches to teaching of physics. Publ: Education in race relations, Relig. Ed., 2/64; Hope out fear in New Rochelle, Nation's Schs., 2/64; School plant design, Teachers Col. Rec., 12/65. Address: New York Institute of Technology, Old Westbury, N.Y. 11568.
- SALTER, ANDREW, b. Waterbury, Conn., May 9, 14; m. 43; c. 2. PSYCHOLOGY. B.S., N.Y. Univ., 37. Private practice psychol., 41-44; AAAS; Pavlovian Soc. N.Am. Assn. Adv. Behav. Ther. Pavlovian psychology and psychotherapy, hypnosis. Publ: What is hypnosis, Richard Smith, 44; Conditions of reflex therapy, Farrar, Straus, 49; co-auth. The conditioning therapies, Holt, 64. Address: 1000 Park Ave., New York, N.Y. 10028.
- SALTZMAN, PROF. IRVING J(ACKSON). Psychology. See L-Z Vol, 11th ed, Soc. & Behav. Vols. New information: Also chmn., 69-, Dept. of Psychology, Indiana University, Bloomington, Ind. 47401.
- SALVENDY, DR. GAVRIEL, b. Budapest, Hungary, Sept. 30, 38; m. 66; c. 1. ERGONOMICS, INDUSTRIAL PSYCHOLOGY. Dipl. bus. mgt., Brunel, 64; dipl. ergonomics, Birmingham, 65, M.Sc., 66, Ph.D.(indust. psychol), 68. Res. assoc. ERGONOMICS & INDUST. PSYCHOL., Birmingham, 65-68; ASST. PROF. STATE UNIV. N.Y. BUFFALO, 68-69. Am. Soc. Eng. Ed., Am. Inst. Indust. Eng., Ergonomics Res. Soc./Human Factors Soc./Psychol. Assn. Human performance; personnel selection. Publ: Ergonomic aspects of paced and unpaced work, Proc. Int. Cong. Indust. Neurol., Prague, Czech, 69 & Learning fundamental skills—a promise for the future, Proc. Annual Conf. & Convention Am. Inst. Indust. Engrs., 69, Am. Inst. Indust. Engrs., Trans. 1: 300-305; co-auth. A comparative study of static vs. dynamic scoring of performance tests for industrial operators, J. Appl. Psychol., 54: 135-139. Address: Dept. of Industrial Engineering, State University of New York at Buffalo, Buffalo, N.Y. 14214.
- SALWEN, DR. BERT, b. New York, N.Y., Oct. 20, 20; m. 67; c. 2. ANTHROPOLOGY. B.S.M.E., Columbia, 41; Ph.D.(anthrop), 65. Mem. faculty ANTHROP., Bennington Coll., 62-66; ASSOC. PROF., N.Y. Univ., 66-68. Lectr., Sch. Gen. Studies, Columbia, 63-67; contractor, archaeol. survey proj., Nat. Park Serv., 64-68; dir. archaeol., Nat. Sci. Found. Soc. Sci. Training Prog., Brooklyn Inst. Arts & Sci., 67-70; curator archaeol., Staten Island Inst. Arts & Sci., 68-; lectr., Willamette Nat. Sch., summer 62. Anthropol. Assn. Soc. Am. Archaeol.; Ethnol. Soc. North American archaeology; theory and method of anthropological archaeology. Publ: The introduction of leather footwear in the Pueblo area, Ethnohistory, Vol. 7, No. 3; Sea level and archaeology in the Long Island Sound area, Vol. 28, No. 1 & Muskeeta Cove 2: a stratified woodland site on Long Island, Vol. 33, No. 3, Am. Antiquity. Address: R.D. 1, Box 147, Rosendale, N.Y. 12472.
- SALZBERG, DR. THEODORE H. Psychology. See L-Z Vol, 11th ed, Soc. & Behav. Vols. New position & address: Chief psychol. serv., 68-, Veterans Administration Center, Martinsburg, W.Va. 25401.
- SALZMAN, DR. LEON. Psychiatry. See L-Z Vol, 11th ed, Soc. & Behav. Vols. New position & address: Prof. psychiat. & dir. psychoanal. med., 69-, Tulane University School of Medicine, 1430 Tulane Ave., New Orleans, La. 70112.
- SALZMAN, DR. PHILIP CARL, b. Baltimore, Md., Feb. 20, 40; m. 66. ANTHROPOLOGY. A.B., Antioch Coll., 63; Nat. Defense For. Lang. grant, Chicago, 65-66, M.A., 66, Nat. Sci. Found. grant, 67-68, Ph.D.(anthrop), 70. Instr. ANTHROPOL., Conn. State Coll., 66-67; ASST. PROF., McGill, 68-70. Anthropol. Assn.; Sociol. Assn.; fel. Royal Anthropol. Inst., Brit. & Ireland; Brit. Inst. Persians; Sociol. Assn. Social anthropology; cultural ecology, especially nomadism and pastoralism; the Middle East, especially Iran and the Mediterranean. Publ: Political organization among nomadic peoples, Proc. Am. Philos. Soc., 67; co-auth. Kirman and the Middle East, Iran, 69. Address: Dept. of Anthropology, McGill University, Montreal 110, Que., Can.
- SALZMANN, DR. ZDENEK, b. Prague, Czech, Oct. 18, 25; U.S. citizen; m. 49; c. 3. ANTHROPOLOGY, LINGUISTICS. Absolutivism, Charles Univ., Prague, 48; M.A., Indiana, Bloomington, 49, Ph.D.(ling), 63. Headmaster & exec. dir., Verde Valley Sch., Ariz., 63-66; head anthrop. prog., Phillips Exeter Acad., N.H., 66-68; ASSOC. PROF. ANTHROPOL., MASSACHUSETTS, AMHERST, 68. Am. Philos. Soc. res. grants, 50, 52, 61, 62, 63, 66 & 67; Nat. Inst. Ment. Health res. grant, 69; vis. prof., Freiburg, 70; Nat. Sci. Found. grant & visitor, Ling. inst., California, Los Angeles, summer 66. Consult. anthrop. curriculum study proj., Am. Anthropol. Assn., 63-65; consult. ed. anthrop. reports sect. Newsletter Am. Anthropol. Assn., 70- Fel. AAAS; Ling. Soc. Am.; fel. Anthropol. Assn.; fel. Soc. Appl. Anthropol.; Folklore Soc.; Ethnol. Soc.; Int. Ling. Assn. Cultural and linguistic anthropology; general and descriptive linguistics; Czech language; ethnography of Czechoslovakia; American Indian linguistics and folklore. Publ: Anthropology, Harcourt, 69. A contribution to the study of value orientations among the Czechs and Slovaks, Res. Reports, Dept. Anthrop. Univ. Mass., 70; series of articles on the Arapaho language, Int. J. Am. Ling., 51- Address: Dept. of Anthropology, University of Massachusetts, Amherst, Mass. 01002.
- SAMLI, DR. A. COSKUN. Marketing, Economics. See L-Z Vol, 11th ed, Soc. & Behav. Vols. New position & address: Prof. bus. admin., 68-, College of Business, Virginia Polytechnic Institute, Blacksburg, Va. 24061.
- SAM'Q, DR. ELIAS, b. Derbasseh, Syria, Aug. 24, 37. POLITICAL SCIENCE. B.A., Washington State, 63; M.A., Idaho, 65; Ph.D.(int. rels), American Univ., 67. ASST. PROF. POLIT. SCI., CENTRAL MICHIGAN, 67-70. Polit. Sci. Assn.; Mid. East Studies Assn. N.Am.; Soc. Int. Develop. International relations; politics of the developing nation: Middle East. Address: Dept. of Political Science, Central Michigan University, Mt. Pleasant, Mich. 48858.
- SAMPLE, DR. TEX (SHERWOOD). Sociology of Religion. See 5th ed, Dir. Am. Scholars, Vol. IV, Philos., Relig. & Law.

- SAMPLES, ROBERT E.** Geology, Science Education. See Suppl. V to 11th ed, Phys. & Biol. Vols.
- SAMPSON, DR. PATSY H(ALLLOCK).** Psychology. See L-Z Vol, 11th ed, Soc. & Behav. Vols. New information: Also dir. child study center, 69-, Dept. of Psychology, Wellesley College, Wellesley, Mass. 02181.
- SAMPSON, PROF. PHILIP (BOWEN).** Psychology. See L-Z Vol, 11th ed, Soc. & Behav. Vols. New information: Chmn, 69-, Dept. of Psychology, Tufts University, Medford, Mass. 02155.
- SAMUELS, DR. S. JAY, b.** New York, N.Y., Oct. 23, 29; m. 64; c. 1. EDUCATIONAL PSYCHOLOGY. B.A. Queens Col.(N.Y.), 59, M.A., 55; fel, California, Los Angeles, 62-64; Ed.D.(ed. psychol.), 64; dipl. exp. child psychol., 65. Teaching asst. ed. psychol, California, Los Angeles, 62-64, res. assoc. psychol, 64-65; ASSOC. PROF. ED. PSYCHOL, MINNESOTA, MINNEAPOLIS, 65- Mem. center for res. on human learning, Minnesota, Minneapolis, 66-; mem, European Seminar on Learning & Ed. Process, summer 66. Consult. Nat. Assessment of Ed. Progress, 70. Mem. cnt. res. & studies, Int. Reading Assn, 66-; participant, Nat. Reading Conf, 69- Verbal learning; reading. Publ: Attentional processes in reading: the effect of pictures on the acquisition of reading responses, 58; 337-342 & The recognition of flashed words, 60: 87-102; The psychology of language, Rev. Ed. Res, 37: 109-119. Address: Dept. of Educational Psychology, University of Minnesota School of Education, Minneapolis, Minn. 55455.
- SAMUELS, DR. WARREN JOSEPH.** Economics. See L-Z Vol, 11th ed, Soc. & Behav. Vols. New information: Also dir. grad. prog. econ, 69-, Michigan State University, East Lansing, Mich. 48823.
- SAMUELSON, PROF. EMIL EMANUEL.** Educational Psychology. See L-Z Vol, 11th ed, Soc. & Behav. Vols. Change of address: 909 E. Fourth, Ellensburg, Wash. 98926.
- SANBORN, DR. MARSHALL P.** b. Longmont, Colo, Aug. 29, 28; m. 50; c. 3. COUNSELING. G.O. Colo. State Univ., 54; Ph.D. (counseling), 58; Teacher, city schs, Nebr., 51-52; pub. schs, Colo, 53-57; couns. Routt County, 58-60; ASSOC. PROF. COUNSELING & GUID, WISCONSIN, MADISON, 63- U.S.A., 45-47, 47-54, S/Sgt. Personnel & Guid. Asst; Psychol. Asst; Nat. Ed. Asst; Int. Soc. Gen. Semantics. Director of research and guidance laboratory for superior students. Publ: The relative effectiveness of four high school guidance programs as measured by four criteria, Personnel & Guid, J, 11/64; co-auth, Guidance of students with special characteristics, In: Review of educational research, AMS, 4/66 & Identifying and educating the superior student in Wisconsin high schools, Univ. Wisconsin, 67. Address: Dept. of Counseling & Guidance, University of Wisconsin, 1922 University Ave, Madison, Wis. 53706.
- SANDALOW, PROF. TERRANCE.** Law. See 5th ed, Dir. Am. Scholars, Vol. IV, Philos, Relig. & Law.
- SANDBERG, DR. LARS G.** b. Uppsala, Sweden, June 20, 39; U.S. citizen; m. 63; c. 2. ECONOMICS, ECONOMIC HISTORY. A.B., Harvard, 61; A.M., 63, Ph.D.(econ), 64. Instr. ECON, Harvard, 64-66; asst. prof, 66-67; AS-SOC. PROF, DARTMOUTH COL, 67- Econ. Asst; Econ. Hist. Asst. Decline of the Lancashire cotton textile industry after 1870; industrial revolution in Sweden after 1880. Publ: International trade in grains: projections and U.S. policy, Rev. Econ. & Statist, 5/66; Movements in the quality of British cotton textile exports, 1915-1913, J. Econ. Hist, 3/69; American rings and English mills: the role of economic rationality, Quart. J. Econ. 2/69. Address: 15 Rip Road, Hanover, N.H. 03755.
- SANDER, DR. HERMAN J.** b. Evansville, Ind, July 2, 04; m. 37; c. 2. SOCIAL PSYCHOLOGY, POLITICAL SOCIOLOGY. B.A., Evansville Col, 28; Marburg, 34-35; Chicago, summer 38; Ph.D.(human rels, polit. philos), 38; Yale, 39. From asst. to prof. soc. sci, Elmhurst Col, 36-42; civilian chief human resources sect, dir. intel, Rq. U.S. Air Force, 50-52; exec. dir. human resources res. inst, Air Univ, 53-54; dir. soc. sci. res, Air Force personnel & training res. center, Lackland Air Force Base, 55-58; DIR. SOC. SCI. SOCIOL. & POLIT. SCI, BEHAV. SCI, DIV. AIR FORCE OFF. SCI. RES, 59- U.S.A.F. 42-50, Lt. Col. AAAS; Sociol. Asst; Sci. Res. Soc. Am. Social movements; political sociology; behavior under stress; cross-cultural communication; attitude measurement and change; administration of basic research in behavioral sciences. Publ: Use of social science research in the military, Proc. Am. Sociol. Asn, 62; Simulation as a social science research method, Air Force Off. Sci. Res. J, 7/67. Address: 3319 Prince Charles Court, Falls Church, Va. 22044.
- SANDERS, DR. BEVERLY J.** b. Fountain Co, Ind, Nov. 26, 38. PSYCHOLOGY. A.B. Earlham Col, 60; M.A. McGill, 66, Ph.D.(psychol), 69. Asst. clin. psychol, Richmond State Hosp, Ind, summer 59; ind. psychol, Ind. Univ. Med. Center, Indianapolis, 60-61; Center Study Early Childhood Schizophrenics, LaRue Carter Hosp, Hosp, Indianapolis, Ind, 61-63; sch. human commun. disorders, McGill, 63-65; PSYCHOL, 65-67; ASST. PROF, SIR GEORGE WILLIAMS, 68- Conf. leader develop. psychol. course, McGill, 65-66, introductory psychol. course, 66-67. Simultaneous and delayed matching-to-sample in children. Publ: Co-auth, Shaping cooperative responses in early childhood schizophrenics, In: Case studies in behavior modification, Holt, 65; auth, A technique for behavioral audiometry in cats, Proc. Can. Otolaryngol. Soc, 19: 64-71. Address: Dept. of Psychology, Sir George Williams University, Montreal, Que, Can.
- SANDERS, DR. DEREK A.** b. London, Eng, June 26, 32; U.S. citizen; m. 58; c. 2. SPEECH COMMUNICATION, AUDIOLOGY. L.C.S.T. Col. Speech Therapists, West End Hosp, London, 56; Fulbright travel fel, Syracuse, 56-58, M.S., 58; Ph.D.(audiol), Manchester, 61. Res. fel. AUDIOL, Med. Res. Coun, Manchester, 58-61; asst. prof, Central Michigan, 61-64; ASSOC. PROF, STATE UNIV. N.Y. BUFFALO, 64- Asst. prof, div. otol, dept. surg. med. sch, Rochester, 67- Consult. audiologist, Strong Mem. Hosp, Rochester, N.Y., 67- R.A.F. 53-56, Flying Officer. Speech & Hearing Asst; Acad. Rehab. Audiol. Normal and abnormal processes of speech production.
- Publ:** Aural rehabilitation, Prentice-Hall, 71. Address: Dept. of Speech Communication, State University of New York at Buffalo, 4226 Ridge Lea Rd, Buffalo, N.Y. 14226.
- SANDERS, PROF. DONALD H.** b. East St. Louis, Ill, Oct. 13, 32; m. 52; c. 3. BUSINESS MANAGEMENT. B.B.A., Texas A&M, 59, M.B.A., 61; Ph.D.(mgmt), Arkansas, 65. Intern mgt, Mead Johnson Inst, 61-62; instr. econ, Arkansas, 62-63; asst. prof, MGT, STATISTICS & DATA PROCESSING, Texas, Arlington, 63-65; prof, Memphis State, 65-66; assoc. prof, TEXAS CHRISTIAN, 66-68, PROF, 68- Manuscript consult, McGraw-Hill Book Co, 67- Chmn. subject exam. cmt. computers & data processing, Col. Entrance Exam. Bd, New York, N.Y., 67-69. U.S.A.F., 52-56. Data processing; managerial implications of computers and computer usage. Publ: Introducing computers to small business, Data Processing Mgt. Asn, 66; Computers in business: an introduction, 68 & Computers and management, 70, McGraw-Hill. Address: Dept. of Management, M.J. Neely School of Business, Texas Christian University, 2800 S. University Dr, Ft. Worth, Tex. 76129.
- SANDERS, DR. ELLA MOYE.** Psychology. See L-Z Vol, 11th ed, Soc. & Behav. Vols. Change of address: 16597 Algonquin St, Suite H, Huntington Beach, Calif. 92647.
- SANDERS, DR. ERIC P(AUL), b.** Brooklyn, N.Y., Apr. 17, 39; m. 62; c. 2. INDUSTRIAL & ORGANIZATIONAL PSYCHOLOGY. B.A. Vermont, 60; N.Y. State scholar, City Univ. New York, 60-61, fel, 61-63, M.B.A., 63; Ph.D., California, Berkeley, 67. Asst. indust. psychol, Ind. Indust. Reels, California, Berkeley, 63-64, psychol. measurement, 64-65, indust. psychol, 65-67; ASST. PROF. PSYCHOL, SAN DIEGO STATE COL, 67- Psychol. Asn. Organizational variables, motivation, need satisfaction, attitudes and self-perceived abilities of all levels of management; relationship between such variables as age and organizational commitment. Publ: Relation between accident incidence and type and level of job, Psychol. Reports, 64; co-auth, Moderating heteroscedasticity, Ed. Psychol. Measurement, 3/67; Evolutionary performance, managerial abilities and change: an exploratory investigation of organizations, J. Appl. Psychol, 68. Address: Dept. of Psychology, San Diego State College, San Diego, Calif. 92115.
- SANDERS, DR. MERRITT W(ILLIAM).** Psychology. See L-Z Vol, 11th ed, Soc. & Behav. Vols. New information: Also dir. res. & eval, Bloomsburg State Col, 69- Address: 125 Sherwood Dr, Bloomsburg, Pa. 17815.
- SANDERS, DR. NORMAN K.** Environmental Science. See 12th ed, Phys. & Biol. Vols.
- SANDERS, DR. RICHARD.** Psychology. See L-Z Vol, 11th ed, Soc. & Behav. Vols. New information: Asst. prof. psychiat. Jefferson Med. Col. & dir. res. & eval, Community Ment. Health Center, 68- Address: 19 Sunflower Rd, Levittown, Pa. 19056.
- SANDERS, PROF. ROBERT (HUGH).** Sociology. See L-Z Vol, 11th ed, Soc. & Behav. Vols. New position & address: Prof, 69-, Dept. of Sociology, Alabama State University, Box 150, Montgomery, Ala. 36101.
- SANDERS, DR. SIDNEY, b.** Montreal, Que, Mar. 12, 23; m. 46. CLINICAL PSYCHOLOGY. B.Com, Sir George Williams, 60; B.Ph, Montreal, 63, M.A. 65, Can. Coun. fel, 66-67, Ph.D.(psychol), 67. SR. STAFF PSYCHOLOGIST, ST. MARY'S HOSP, 67- Lectr. dept. continuing ed. & consult, dept. psychol, McGill, 69- Am. Psychol. Asst; Can. Psychol. Asst. Psychodiagnostics; individual and group psychotherapy; teaching hospital staff and university students. Publ: Co-auth, Réévaluation d'un instrument de mesure des états dépressifs, L'Union Médical, 4/64; auth, Aging and the concept of space, J. Geront, 4/66; Selective auditory perception of parental voices by the disturbed child, Genetic Psychol. Monographs, (in press). Address: 5550 Beaminster Place, Montreal 252, Que, Can.
- SANDERS, DR. THOMAS GRIFFIN.** Religion. See 5th ed, Dir. Am. Scholars, Vol. IV, Philos, Relig. & Law.
- SANDERSON, DR. JOHN T(MOTHY), b.** Breckenridge, Mo, June 26, 27; m. 49; c. 4. AGRICULTURAL ECONOMICS. B.S. Missouri, 50, Ph.D.(agr. econ), 69; M.S., Iowa State, 60. Instr. AGR. ECON, Missouri, 62-64; asst. prof, S.DAK. STATE, 64-70, ASSOC. PROF, 70- U.S.A., 46-47. Agr. Econ. Asn. Regional agricultural supply response and adjustment studies in corn belt and great plains. Publ: Co-auth, Machinery costs on typical wheat farms in South Dakota, 68 & Effects of alternative wheat and feed grain prices on optimum farm plans and income in north central South Dakota, 69, S.Dak. Agr. Exp. Sta. Address: Dept. of Economics, South Dakota State University, Brookings, S.Dak. 57006.
- SANDERSON, DR. ROBERT E.** Psychology. See L-Z Vol, 11th ed, Soc. & Behav. Vols. New position & address: Chief psychologist, 69-, Adult Occupational Center, Edgar, P.O. Box 12,000, Barrie, Ont, Can.
- SANDHU, DR. SWARAN SINGH.** Sociology. See L-Z Vol, 11th ed, Soc. & Behav. Vols. New position & address: Chmn, 68-, Dept. of Sociology, Moorhead State College, Moorhead, Minn. 56560.
- SANDILANDS, DR. MARK L(AWSON), b.** Edmonton, Alta, Apr. 8, 43; m. 64; c. 1. PSYCHOLOGY. B.A. Alberta, 63, M.A., 67, fel, 67-68, Ph.D.(psychol), 69. ASST. PROF. PSYCHOL, LETHBRIDGE, 68- Psychol. Asn. General and social psychology; personality; attitude change and resistance to persuasion; cognition and psycholinguistics; personality factors in social behavior. Publ: Co-auth, Chronic thumbsucking: the psychological effects and the relative effects of various methods of treatment, Am. J. Orthod, 67, Thumbsucking: habit or symptom?, J. Dent. for Children, 67 & Test anxiety, confidence, commitment and conformity, J. Personality, 69. Address: Dept. of Psychology, University of Lethbridge, Lethbridge, Alta, Can.
- SANDLER, DR. JACK.** Psychology. See L-Z Vol, 11th ed, Soc. & Behav. Vols. Change of address: 10006 Oakhill Dr, Tampa, Fla. 33620.

- SANDMEYER, DR. ROBERT L. b. Evansville, Ind., June 12, 29; m. 50; c. 4. ECONOMICS. B.A. Ft. Hays Kans. State Col. 56; M.S. Okla. State, 59, Ph.D. (econ), 62; Iowa State, 58-59. Instr. ECON. Ft. Hays Kans. State Col. 57-58; Iowa State, 58-59; asst. prof. Arizona State, 61-62; vis. asst. prof. OKLA. STATE, 62-63; asst. prof. 63-65, ASSOC. PROF. 65- U.S.N. 47-51. Econ. Assn. Causes of variation in labor force participation rates in Ozark low income areas. Publ: Baumol's sales maximization model: comment, *Am. Econ. Rev.* 12/64; co-auth, Methodological issues in the study of labor force participation rates, *Rocky Mt. Soc. Sci. J.* 10/67 & A note on the discouragement effect, *Indust. & Labor Rel.* Rev. 4/70. Address: Dept. of Economics, Oklahoma State University, Stillwater, Okla. 74075.
- SANFORD, DR. NEVITT. Psychology. See L-Z Vol. 11th ed, Soc. & Behav. Vols. New position: Sci. dir, Wright Inst, 69- Address: 1520 LeRoy Ave, Berkeley, Calif. 94708.
- SANGIULIANO, DR. IRIS A(GATHA). Psychology. See L-Z Vol. 11th ed, Soc. & Behav. Vols. New information: Mem. faculty workshops in creative process, *New Sch. Soc. Res.* 69- Address: 188 E. 93rd St, New York, N.Y. 10028.
- SANMANN, PROF. MADGE STEWART. Sociology. See L-Z Vol. 11th ed, Soc. & Behav. Vols. New information: Emer. prof., Monmouth Col.(Ill), 68-, vis. prof. sociol., Bradley Univ, 69- Address: 315 S. Fifth St, Monmouth, Ill. 61462.
- SAPER, PROF. BERNARD. Psychology. See L-Z Vol. 11th ed, Soc. & Behav. Vols. New position: Prof. psychol. & dir, 69- Inst. for Psychological Applications, University of Maine, Orono, Maine 04473.
- SAPIRA, DR. JOSEPH DANIEL. Internal Medicine. See Suppl. V to 11th ed, Phys. & Biol. Vols.
- SAPOSS, DAVID J. Economics, Sociology. See 11th ed, Soc. & Behav. Vols. deceased 68.
- SARACHEK, PROF. BERNARD, b. New York, N.Y., Dec. 23, 31; m. 63. ADMINISTRATION, ORGANIZATION THEORY. B.A. Missouri-Kansas City, 52, M.A., 55; Ph.D. (bus), Illinois, 62. Asst. prof. mgt., Clark, 58-61; mkt. Dept., 62-63; econ., Rutgers, 63-65; assoc. prof. mkt., MISSOURI-KANSAS CITY, 65-68, PROF. ADMIN. 68- Econ. Assn.; Acad. Mgt. Psychol. models of administrative behavior and organizational structure; history of administrative thought; impact of bureaucracy on mass society. Publ: Early Greek concepts of leadership, 3/68 & Elton Mayo's social psychology and human relations, 6/68, *Acad. Mgt. J.* co-auth, Management of understanding, In: Communication: general semantics perspectives, Spartan, 69. Address: School of Administration, University of Missouri-Kansas City, Kansas City, Mo. 64110.
- SARAVO, DR. ANNE COBBLE, b. Atlanta, Ga., Feb. 23, 38; c. 2. DEVELOPMENTAL PSYCHOLOGY. B.A. Tex. Tech. Col. 59; M.S. Massachusetts, 64, Ph.D. (psychol), 65. U.S. Pub. Health Serv. fel, 66-67; asst. prof., Antioch Col. 67-68, assoc. prof. 68-69; vis. lectr., Wright State, 68-69; LECTR., ANTELOPE VALLEY COL., 69- Res. assoc. psychol., Feis. Res. Inst., Antioch Col. 66-69. Psychol. Assn. Soc. Res. Child Develop. Discrimination learning: concept formation; cognitive development. Publ: Effect of number of variable dimensions on reversal and nonreversal shifts, *J. Comp. & Physiol. Psychol.* 64: 93-97; co-auth, Oddity learning and learning sets in children, *J. Exp. Child Psychol.* 7: 541-552 & Transfer effects in children's oddity learning, *Develop. Psychol.* 2: 273-282. Address: 6818 Spaatz Dr., Edwards Air Force Base, Calif. 93523.
- SARGENT, DR. LYMAN TOWER. Political Science. See L-Z Vol. 11th ed, Soc. & Behav. Vols. New information: Chmn., 69- Dept. of Political Science, University of Missouri at St. Louis, St. Louis, Mo. 63121.
- SARGENT, DR. S(TEPHEN) STANSFELD. Clinical & Social Psychology. See L-Z Vol. 11th ed, Soc. & Behav. Vols. New information: Private practice, 69- Address: University Park Psychological Center, 2343 E. Evans Ave, Denver, Colo. 80210.
- SARGENT, DR. THORNTON WILLIAM, III. Biophysics, Nuclear Medicine. See Suppl. VI to 11th ed, Phys. & Biol. Vols.
- SARIOLA, DR. SAKARI, b. Kalajo, Finland, Apr. 3, 19; U.S. citizen; m. 49; c. 2. SOCIOLOGY. M.A. Helsinki, 46, Ph.D. (sociol), 54; Int. House fel., Chicago, 48-49. Asst. sociologist, dept. econ. & rural life, Interam. Inst. Agr. Sci., Turrialba, Costa Rica, 51-51; head dept. soc. res., Finnish State Liquor Monopoly, Helsinki, Finland, 51-54; sociologist, U.N. Regional & Specialized Agencies, Latin Am. area, 54-60; prof. sociol. & chmn. dept. soc. sci., Puerto Rico, Mayaguez, 60-63; prof. SOCIOL. La. State, Baton Rouge, 63-65; ASSOC. PROF. KANSAS, 65- Lectr., Sch. Soc. Sci., Helsinki, 54- Consult, training courses for Latin Am. sociologists, Orgn. Am. States, 55-63; Finnish res. to WHO seminar on alcohol problems, Copenhagen, 51. Finnish Army, 40-44. Sociol. Assn. Latin American social thought and social structures; alcohol studies. Publ: Drinking patterns in Finnish Lapland, *Maalaiskuntien Liiton Kirjapaino, Helsinki*, 56; Social class and social mobility in a Costa Rican town, *Interam. Inst. Agr. Sci., Turrialba*, 54. The process of urbanization of the metropolitan zone of San Jose, Costa Rica, U.N. Tech. Asst. Admin. Report, 58. Address: Dept. of Sociology, University of Kansas, Lawrence, Kans. 66044.
- SARKAR, DR. ASIT K, b. Chittagong, Pakistan, Feb. 17, 40; m. 69. ECONOMICS, BUSINESS ADMINISTRATION. B.Com, Dacca, 59, M.Com, 61; M.B.A., Hawaii, 64; fel., Houston, 67-68, Ph.D. (econ), 69. Summer res. asst., East-West Center, Hawaii, 64; ASST. PROF. ECON. TEXAS, ARLINGTON, 68- Econ. Assn.; Mkt. Assn. Applied microeconomic analysis; housing market. Address: Dept. of Economics, University of Texas at Arlington, Arlington, Tex. 76010.
- SARKESIAN, DR. SAM C, b. Chicago, Ill., Nov. 7, 27; m. 55; c. 3. POLITICAL SCIENCE. B.A. The Citadel, 51; summer, Carnegie grad., Syracuse, 61; M.A., Columbia, 62, N.Y. State stipend, 65-66, Ph.D., 69. ASST. PROF. POLIT. SCI., U.S. Mil. Acad., 62-66; DePaul, 66-70; LOYOLA UNIV. CHICAGO, 70- Lectr., overseas br. Univ. Md., 67; summers, vis. asst. prof., Northwestern, 64, State Univ. N.Y. Buffalo, 65; consult, prog. African students, 65. U.S.A. 45-49, 51-68, La. Col. (Red). Polit. Sci. Assn.; African Studies Assn. Problems of modernization and development in Southeast Asia and West Africa; causes of revolutionary wars and counter revolutionary strategy and the United States Army response. Publ: Eff. Reading in problems of developing nations, U.S. Mil. Acad., 68; co-auth, Efforts to alter the future military measures in apartheid and United Nations collective measures, *Carnegie Endowment*, 3/65. Address: Dept. of Political Science, Loyola University of Chicago, 820 N. Michigan Ave, Chicago, Ill. 60611.
- SARLANIS, KIRIAKO, b. Somersworth, N.H., Mar. 19, 31; m. 55; c. 2. PSYCHOLOGY. B.A. New Hampshire, 59, M.A., 61. RES. PSYCHOLOGIST, Fed. Aviation Agency, 62-66; U.S. PUB. HEALTH SERV., 66- Alternate mem., subpanel observer characteristics, cm. fundamentals of visual signaling, U.S. Nat. Tech. Panel of Int. Cm. on Illum., 69- U.S.N., 51-55. Behavioral capacities and limitations of the human visual apparatus, especially the detection and appreciation of environmental hazards. Publ: Co-auth, A human factors comparison of two data entry keyboards, *Nat. Aviation Facilities Exp. Center*, Fed. Aviation Agency, 5/65; auth, The detection and recognition of disabled vehicle markers, 67 & A review of the literature on eye illumination and contrast requirements of visual signals, 70, U.S. Pub. Health Serv. Address: 66 Cedar St, East Greenwich, R.I. 02818.
- SARNOFF, PROF. IRVING, b. Brooklyn, N.Y., May 5, 22; m. 46; c. 2. PSYCHOLOGY. B.A. Brooklyn Col., 48; M.A., Michigan, 49, Ph.D. (psychol), 51. Lectr., psychol. exten. serv. res. assoc., attitude change prof. & ment. hygienist, student health serv., Michigan, 51-54; Fulbright adv. res. scholar psychol., Univ. Col. London, 54-55; asst. prof., Yale, 55-60; prof. soc. work & psychol. & dir. res. center, Western Reserve, 60-62; PROF. PSYCHOL., Y. UNIV., 62- N.Y. Inst. Ment. Health serv. stipend, 69-70, Soc. C. U.S.A., 43-46. Psychol. Assn. Experimental evaluation of Freudian concepts; personality theory; the social psychology of human alienation and realization; the relationships among social values, social institutions and social behavior. Publ: Personality dynamics and development, Wiley, 62; Society with tears, Citadel, 66. Address: 100 Bleeker St, New York, N.Y. 10012.
- SARTAIN, PROF. AARON Q(UNN). Psychology, Industrial Relations. See L-Z Vol. 11th ed, Soc. & Behav. Vols. New information: No longer dean sch. bus. admin., Southern Methodist. Address: Dept. of Industrial Relations, Southern Methodist University, Dallas, Tex. 75222.
- SASAKI, PROF. KYOHEI. Economics, Econometrics. See L-Z Vol. 11th ed, Soc. & Behav. Vols. New position & address: Prof., 68-, Graduate School of Business, Rutgers, The State University, 18 Washington St, Newark, N.J. 07102.
- SASSON, DR. JACK MURRAY. Foreign Languages, History. See 5th ed, Dir. Am. Scholars, Vol. III, For. Lang. & Philol.
- SATA, DR. LINDBERGH S, b. Portland, Ore., Jan. 6, 28; m. 56; c. 4. PSYCHIATRY. B.S. Utah, 51, M.D., 58, Nat. Inst. Ment. Health grant, 62-64, M.S., 64. Consult, Utah State Prison, 62-64; asst. dir. psychiat. inst., Univ. Maryland, 65-67, asst. prof. 67-68, dir. 68-69, asst. dir. 69-70, Supg. C. U.S.A., ASSOC. PROF. PSYCHIAT., WASHINGTON (SEATTLE), 68- ASST. DEAN, SCH. MED. 69-, ASSOC. MED. DIR., HARVARD MED. CENTER, 69-, psychiatrist-in-chief, 68-69. Proj. dir., Nat. Inst. Ment. Health staffing grant, Inner City Community Ment. Health Center Proj., 67. Consult, outpatient dept., Crowsville State Hosp., Baltimore, Md., 65-68; Nat. Training Lab. Inst. Appl. Behav. Sci., 65-; Nat. Inst. Ment. Health, U.S. 46-47, Spt. Psychiat. Assn.; Int. Coun. Group Psychother. Research aspects of psychotherapy; community mental health; epidemiology and development of health care delivery systems; methodologic approaches to social change. Publ: Co-auth, Personality disorders: trait and pattern disturbances, In: Comprehensive textbook of psychiatry, Williams & Wilkins, 67 & From slum to asylum: a selective process, *Ment. Hygiene*, 10/68; auth, Epidemiology, In: Progress in community mental health, Grune & Stratton, 69. Address: 5533 S. Holly, Seattle, Wash. 98111.
- SATINDER, DR. K. PAUL. Physiological & Comparative Psychology. See Suppl. VI to 11th ed, Phys. & Biol. Vols.
- SATZ, PROF. MARTIN A(LLEN). Psychology. See L-Z Vol. 11th ed, Soc. & Behav. Vols. New information: Also chmn., Dept. of Psychology, Bloomsburg State College, Bloomsburg, Pa. 17815.
- SAUER, PROF. WOLFGANG W(ILHELM). Modern History. See 5th ed, Dir. Am. Scholars, Vol. I, Hist.
- SAUL, PROF. FRANK P(HILIP). Physical Anthropology. See L-Z Vol. 11th ed, Soc. & Behav. Vols. New position & address: Prof., 69-, Dept. of Anatomy, Medical College of Ohio at Toledo, P.O. Box 6190, Toledo, Ohio 43614.
- SAUNDERS, DR. DUANE. Economics. See L-Z Vol. 11th ed, Soc. & Behav. Vols. New position: V-pres, invest. div., Chemical Bank, New York, 89- Address: 349 Montrose Ave, South Orange, N.J. 07079.
- SAUNDERS, DR. ROBERT JOHN, b. Barborton, Ohio, Mar. 16, 39; m. 62; c. 4. ECONOMICS. B.S. Wittenberg, 61; Nat. Defense Ed. Act fel., Kentucky, 61-64, Fed. Reserve Bank of Cleveland fel., 64-65, Ph.D. (econ), 65. Asst. lectr. bus. & econ. statist., Kentucky, 63-64; asst. prof. econ. & statist., West Virginia, 65-68, econ. prof., econ. 68-70, res. assoc., econ. & statist. res. inst., 68-69, acting dir., 69-70; ASSOC. PROF. ECON. & DIR. CENTER FOR BUS. & ECON. RES. KENT STATE, 70- Consult, Appalachian Regional Cmn., 68-69; U.S. Dept. Commerce & Off. Fed-State Rel., W.Va., 69. Econ. Assn.; Nat. Tax Assn.; Regional Sci. Assn. Urban and regional economics; state and local public finance. Publ: Co-auth, Factors associated with variations in state and local government spending, *J. Finance*, 9/66; auth, On the interpretation of models explaining cross sectional differences among commercial banks,

- J. Financial & Quant. Anal. 3/69 & Urban area water consumption: analysis and projections, Quart Rev. Econ. & Bus. summer 69. Address: Center for Business & Economic Research, Kent State University, Kent, Ohio 44240.
- SAUNDERS, WILLIAM B(AILET). Economics. Statistics. See L-Z Vol, 11th ed, Soc. & Behav. Vols. New information: Retired, EBS Mgt. Consults, Inc; instr. American Univ. 70- Address: 7720 Greenleaf Rd, Bethesda, Md. 20034.
- SAUPE, PROF. MILDRED W(WNN). Psychology. See L-Z Vol, 11th ed, Soc. & Behav. Vols. Change of address: Candle Light Lodge, Columbia, Mo. 65201.
- SAUTER, DR. JOHN VERNON, b. Galesburg, Ill. Oct. 10, 41; m. ECONOMICS. B.A., Knox Col, 63; M.A., Indiana, 65, Ph.D.(econ), 68. Consult, Maintenance Cost Study, Ind. Hwy. Needs Study, Cole & Williams Eng. Joint Venture, 65-66 & summer 66; instr. ECON, KNOX COL, 66-67, ASST. PROF., 67- Admin. supvr, Defense Contract Admin. Serv. Region, Chicago, summer, 68. Public finance; transportation; international trade; economic theory. Publ: Financing highway maintenance, Land Econ, 11/67; Wasted highway billions, Knox Alumnus, spring 68. Address: Dept. of Economics & Business Administration, Knox College, Galesburg, Ill. 61401.
- SAVAGE, DR. C. WADE. Philosophy. See 5th ed, Dir. Am. Scholars, Vol. IV, Philos. Relig. & Law.
- SAVAGE, DR. CHARLES, b. Berlin, Conn. Sept. 25, 18; m. 40; c. 2. PSYCHIATRY. B.A. Yale, 39; M.S., Chicago, 43, M.D., 45; Wash. Sch. Psychiat., 47-54; Wash-Baltimore Psychoanal. Inst., 48-57. Intern, Univ. Chicago clinics, 45; asst. res. psychol., Yale, 46; res. assoc., U.S. Naval Hosp., Bethesda, Md., 47-48, chief psychiatrist, Charleston, S.C., 48-49; res. psychiatrist, Naval Med. Res. Inst. & Nat. Naval Med. Center, Bethesda, 49-52; psychiatrist, clin. invests. Nat. Inst. Ment. Health, 53-56, acting chief adult psychiat. br., 56-57; fel. Center. Adv. Study Behav. Sci., Stanford, Calif., 57-58; assoc. psychiatrist, Livermore Sanitarium, 58-60; res. assoc. sociol., anthrop. & psychiat., Cornell-Aro proj., sch. med., Cornell & Aro Hosp., Abeokuta, Nigeria, 60-61; res. assoc. dept. med., Stanford, 61-62; med. dir., Int. Found. Adv. Study, Menlo Park, 62-64; sr. psychiatrist, Santa Clara County Dept. Pub. Health, San Jose, 64-65; ASST. PROF. PSYCHIATRY, HOPKINS, 65-; ASSOC. DIR. MD. PSYCHIAT. RES. CENTER, 68- Clin. instr., sch. med., Georgetown, 51-57; private practice psychiatrist, 51-65, instr., Wash. Sch. Psychiat., 53-57; res. assoc. ment. res. inst., Palo Alto Med. Res. Found., 58-60; prin. investr, drug screening proj., Vet. Admin. Hosp., Palo Alto, 61-62; mem. med. staff, Palo Alto-Stanford hosps., Stanford Med. Center, Palo Alto, 62-65; dir. med. res. Spr. Grove State Hosp., Baltimore, Md., 65-70; asst. clin. prof., sch. med., Maryland, 65-68, assoc. clin. prof., 68- Psychiat. consult, bur. disability ins., Soc. Security Admin., Baltimore, 66-; assoc. consult, dept. psychiat., Sinai Hosp. of Baltimore, Inc, 68- Dipl. Am. Bd. Psychiat. & Neurol., 53. U.S.N., 46-53. A.A.A.S.: Electroencephalography, Soc. fel. Psychiat. Asn.; Psychoanal. Asn. Effect of drugs and somatic disturbances on the ego; treatment of psychoses; psychoanalysis. Publ: Assoc. ed, Research in psychogeriatrics; Am. Psychol. Asn., Vol. 11, 68; auth. Research with psychotropic drugs; Int. Rev. Psychiat. & Neurol., 59 & Therapeutic applications of LSD, In: Drugs and the brain, Hopkins, 69. Address: Maryland Psychiatric Research Center, Box 3235, Baltimore, Md. 21228.
- SAVAGE, ZACH. Agricultural Economics. See 11th ed, Soc. & Behav. Vols., deceased 68.
- SAVELL, DR. JOEL M., b. New York, N.Y., Jan. 9, 28; m. 58; c. 2. SOCIAL PSYCHOLOGY. B.A., Emory, 49; B.D., Union Theol. Sem; M.A., Ohio, 56; Ph.D.(soc. psychol.), Columbia, 65. Methodist chaplain, North Carolina, 52-55; resident counsler, Florida, 56-60; instr. PSYCHOL., Long Island, 62-65; ASST. PROF., Alfred, 65-68; CATHOLIC UNIV., 68- Basic res. br., U.S. Off. Ed. grant, 65-66; Nat. Inst. Ment. Health res. grant, 68-70. U.S.A., 46-47. A.A.A.S.; Psychol. Asn.; Sociol. Asn. Effects of being agreed and disagreed with. Publ: Co-auth. Private and public conformity after being agreed and disagreed with, Sociometry, 9/69; auth. Generalization of the effects of price agreement and disagreement, J. Personality & Soc. Psychol., 5/70. Address: Dept. of Psychology, Catholic University of America, Washington, D.C. 20017.
- SAVILLE, DR. THOMAS KEITH, b. Oct. 16, 35; U.S. citizen; m. 54; c. 2. PSYCHOLOGY. B.A., Fresno State Col, 61, M.A., 65; Ph.D.(psychol.), Texas, Austin, 68. Teacher, Fresno County Schs., Calif., 59-64; res. assoc. cross cultural proj., Texas, Austin, 66-68; ASST. PROF. PSYCHOL., TEXAS A&M, 68- U.S.A., 55-58. Psychol. Asn. Social and situational psychology in drug abuse; attitude change; adolescent activism and problems. Address: Dept. of Psychology, Texas A&M University, College Station, Tex. 77843.
- SAVING, PROF. THOMAS ROBERT. Economics. See L-Z Vol, 11th ed, Soc. & Behav. Vols. New position & address: Prof., 68- Dept. of Economics, Texas A&M University, College Station, Tex. 77843.
- SAVITT, DR. RONALD, b. Reno, Nev. Sept. 3, 39. ECONOMICS, MARKETING. A.B., California, Berkeley, 61, M.B.A., 63; Ph.D.(econ), Pennsylvania, 66-66; lectr. mkt., Franklin & Marshall Col, 65; asst., Pennsylvania, 65-66; lectr., BOSTON, 66-67, asst. prof. MKT. & ECON, 67-69, ASSOC. PROF., 69- Consult, Econ. Conserv., 69. Econ. Asn.; Acad. Polit. & Soc. Sci. Industrial organization; antitrust economics. Publ: Dual distribution bills: what are they all about?, Calif. Mkt. Rev., summer 69; IBM - size criterion, Proc. Am. Mkt. Assn., 8/69; Le franchising en difficulte aux Etats-Unis, Diversification & Innovation, 1-2/70. Address: 85 Sutherland Rd, Space 21, Brookline, Mass. 02146.
- SAWYER, DR. HELEN MCCLANAHAN. Political Science. See L-Z Vol, 11th ed, Soc. & Behav. Vols. Change of address: Dept. of Political Science, Memphis State University, Memphis, Tenn. 38111.
- SAWYER, DR. ROBERT NEAL, b. Bedford, Iowa, Aug. 8, 38; m. 60; c. 2. PSYCHOLOGY. B.S., Northwest Mo. State Col, 60; M.Ed., Missouri-Columbia, 64; Ed.D.(guid. counseling), Wyoming, 66. Instr. jr. high sch., Iowa, 60-61; teacher & counsler, pub. sch., Mo., 61-63; counsler, high sch., 63-64; asst. counseling, Wyoming, 64-66; asst. prof. PSYCHOL., MISSOURI-ROLLA, 66-68, ASSOC. PROF., 68- CHMN. SECT., 69- Vis. prof., Wyoming, summer 68. Consult, State Div. Ment. Health, Mo., 69; U.S. Dept. Labor, 69. Psychol. Asn.; Personnel & Guid. Asn.; Asn. Counsler. Ed. & Supv. Asn. Measurement & Eval. Guid.; Ed. Res. Asn. Psychometrics; nature of the counseling process; diagnosis of mental retardation; technology in counselor education; philosophical beliefs of engineers; student attrition; clinical syndromes of Viet Nam veterans; attitude measurement. Publ: A reliability study of the French pictorial test of intelligence, J. Ed. Res., 68 & New technology in counselor education, Ed. Tech., 68; co-auth. Specialized study skills and developmental reading and counseling, J. Exp. Ed., 69. Address: Dept. of Psychology, University of Missouri-Rolla, Rolla, Mo. 65401.
- SAWYER, DR. FAY HORTON. Philosophy. See 5th ed, Dir. Am. Scholars, Vol. IV, Philos. Relig. & Law.
- SAX, PROF. GILBERT. Educational Psychology. See L-Z Vol, 11th ed, Soc. & Behav. Vols. New position: Prof. ed. & psychol. Dept. of Education, University of Washington, Miller Hall, Seattle, Wash. 98105.
- SAYES, PROF. JAMES OTTIS. Religious Education, Biblical Literature. See 5th ed, Dir. Am. Scholars, Vol. IV, Philos. Relig. & Law.
- SAYLOR, DR. R. GERALD, b. Mar. 5, 40; U.S. citizen; m. 62; c. 3. ECONOMICS. B.A., Kalamazoo Col, 62; Ph.D.(econ), DUKE, 66. Financial economist, Fed. Reserve Bank of Dallas, Tex., 66-67; ASST. PROF., Mich. State Consortium for Study Nigerian Rural Develop., Nigeria, 67-68; ECON., WESTERN MICHIGAN, 68- Res. fel. Econ. Res. Bur., Univ. Col., Dar es Salaam, 68. E-African Agr. Econ. Soc. (econ), 69-70. Economic evaluation of agricultural extension workers in cotton and coffee growing areas of Tanzania. Publ: Economic system of Sierra Leone, Duke Univ., 68; Regional planning in Tanzania, Milton Obote Found., 69; co-auth. The value of deferred call protection, Nat. Banking J., 67. Address: Dept. of Economics, Western Michigan University, Kalamazoo, Mich. 49001.
- SAYRE, DR. ROBERT MARION. International Relations, Law. See L-Z Vol, 11th ed, Soc. & Behav. Vols. New position: Am. ambassador to Panama, 68- Address: American Embassy, Panama, Box 2160, Balboa, Canal Zone.
- SAZAMA, DR. GERALD WALTER, b. Milwaukee, Wis., Apr. 10, 37; m. 64; c. 3. ECONOMICS. B.A., Marquette, 60; M.Sc., Wisconsin, 64. Nat. Sci. Found. grant & Wis. Ford fel., 65-66, Ph.D.(econ), 67. ASST. PROF. ECON., CONNECTICUT, 66- Soc. Sci. Res. Coun. grant, land taxation in Chile, summer 67. Consult, U.S. Agency Int. Develop., summer 68; low income housing consult, City of Williamette, Conn. & fiscal consult, Conn. Conf. Mayors, 69; econ. adv. planning off., Govt. Costa Rica, 69-70. Soc. Int. Develop. Nat. Sci. Econ. Asn. Analysis of government revenues and expenditures, especially in developing countries with emphasis on land taxation and project evaluation; problems of state and local taxation and urban housing. Publ: Equalization of property taxes for the nations largest central cities, Nat. Tax J., 6/65; Foreign aid and the universities, Am. 10/69; A general analysis of state development loans, Land Econ., 5/70. Address: Dept. of Economics, University of Connecticut, Storrs, Conn. 06268.
- SCAMMELL, PROF. WILLIAM M(CONNELL). Economics. See L-Z Vol, 11th ed, Soc. & Behav. Vols. New position: Prof. econ. McMaster, 69- Address: 116 Old Anacker Rd, Dundas, Ont., Can.
- SCARPITTI, DR. FRANK ROLAND. Sociology. See L-Z Vol, 11th ed, Soc. & Behav. Vols. New position: Prof. sociol. & chmn. dept., Delaware, 69- Address: 104 Radcliffe Dr, Newark, Del. 19711.
- SCARROW, DR. HOWARD A(LBERT). Political Science. See L-Z Vol, 11th ed, Soc. & Behav. Vols. New position: Prof. Dept. of Political Science, State University of New York at Stony Brook, Stony Brook, N.Y. 11790.
- SCHAAR, DR. STUART H. Comparative History. See 5th ed, Dir. Am. Scholars, Vol. I, Hist.
- SCHACHTEL, DR. ERNEST G(EOERGE). Psychology. See L-Z Vol, 11th ed, Soc. & Behav. Vols. Change of address: 315 W. 106th St, New York, N.Y. 10025.
- SCHACHTER, PROF. GUSTAV. Economics. See L-Z Vol, 11th ed, Soc. & Behav. Vols. New position: Prof., Northwestern, 69- Address: 26 Egmont St, Boston, Mass. 02146.
- SCHAEFFER, DR. ARTHUR MCCLUNY, b. Mobile, Ala., Dec. 28, 28; m. 60; c. 1. ECONOMICS. B.A., Pennsylvania, 55, M.A., 58, Ph.D.(econ), 66. Instr. ECON., Middlebury Col, 55-58; Pomona Col, 60-61; ASST. PROF., UNIV. OF THE SOUTH, 66- U.S.N., 43-45. Econ. Asn.; Acad. Polit. & Soc. Sci. Presidential intervention in labor disputes; mathematical economics. Address: Dept. of Economics, University of the South, Seawane, Tenn. 37375.
- SCHAEFFER, DR. BARBARA HECKMAN, b. Dixon, Ill., Nov. 16, 33; m. 66; c. 1. EXPERIMENTAL PSYCHOLOGY. B.S., Douglass Col, 61; M.Sc., Rutgers, 64, Ph.D.(psychol.), 66. Teaching asst. PSYCHOL., Rutgers, 62-66; ASST. PROF. ALBERTA, 66- A.A.A.S.; Psychol. Asn. Complex maze learning in rats as a function of early environmental enrichments, strychnine sulfate, and individual differences; discrimination learning in rats and children after various procedural manipulations. Publ: Strychnine and maze behavior: limited effects of varied concentrations and injection times, 66 & Discrimination acquisition and reversal in the rat as a function of the number of negative stimuli, 69, J. Comp. & Physiol. Psychol., Varied exposure durations in paired-associate learning in normal and retarded children, Am. J. Ment. Deficiency, 3/66. Address: Dept. of Psychology, University of Alberta, Edmonton, Alta., Can.
- SCHAEFFER, K(ALAS) H(EYMANN). Philosophy. See 5th ed, Dir. Am. Scholars, Vol. IV, Philos. Relig. & Law.

- SCHAEFFER, DR. WENDELL (GORDON). Political Science. Public Administration. See L-Z Vol. 11th ed, Soc. & Behav. Vols. New information: Chmn. bd. dirs, Govt. Affairs Inst; Herman Brown prof. govt. & chmn. dept, Texas Christian, 69-. Address: Dept. of Government, Texas Christian University, Ft. Worth, Tex. 76129.
- SCHAEUBLE, DR. JOHN L (OWELL). b. Hamilton, Ohio, Nov. 3, 41; m. 69. EXPERIMENTAL PSYCHOLOGY. A.B. Oberlin Col. 63; M.S. Purdue, 64; Ross fel. 64-66, Ph.D. (psychol). 69. ASST. PROF. PSYCHOL. SACRAMENTO STATE COL. 68-. Psychol. Asn. Visual pattern reception; quantitative methods; computer applications. Address: Dept. of Psychology, Sacramento State College, Sacramento, Calif. 95819.
- SCHAEFFER, DR. BEVERLY KANE, b. Huntington, Pa. Aug. 23, 39. ECONOMIC. A.B. Wilson Col. 61; fel. Duke, 65-67, Ph.D. (econ). 67. Vis. asst. prof. ECON. Agnes Scott Col. 64; ASST. PROF. Oglethorpe, 64-65; EMORY, 65-. Econ. Asn. Labor economics. Publ: Experience with supplementary unemployment benefits: a case study of the Atlantic Steel Company, Indust. & Labor Rel. Rev. 10/68. Address: Dept. of Economics, Emory University, Atlanta, Ga. 30322.
- SCHAEFFER, DR. ELLIOTT J. b. Amsterdam, N.Y. Dec. 27, 12; m. 53; c. 2. SPEECH PATHOLOGY, AUDIOLOGY. A.B. Pittsburgh, 50, M.S. 51; Ph.D. (speech path. audiol). Syracuse, 54. Speech clinician, pub. schs. Utica, N.Y. 51-54; Onondaga County schs. 54-59; asst. prof. speech, State Col. Iowa, 59-63; ASSOC. PROF. SPEECH PATH. & AUDIOL. STATE UNIV. N.Y. COL. FREDONIA, 63-. U.S.C.G. 42-45. Speech & Hearing Asn. Stuttering, agreement on loci type, severity; hearing, testing and follow up in public schools. Publ: No speech problem exists in a vacuum, N.Y. State Ed. 55; Part of our Heritage, ASHA, 66. Address: Speech & Hearing Center, State University of New York College at Fredonia, Fredonia, N.Y. 14063.
- SCHANBERGER, DR. WILLIAM J (JOSEPH). Clinical Psychology. See L-Z Vol. 11th ed, Soc. & Behav. Vols. New information: Practicing psychologist, 69-. Address: 255 Chaplin Lane, San Luis Obispo, Calif. 93401.
- SHANES, DR. STEVEN E (L). Political Science, Economics. See L-Z Vol. 11th ed, Soc. & Behav. Vols. New position & address: Spec. asst. to secy. for policy develop, 69-. U.S. Dept. of Commerce, 14th & Constitution Ave. N.W. Washington, D.C. 20230.
- SCHANZ, PROF. J (JOHN) (JACOB). Mineral Economics. See L-Z Vol. 11th ed, Soc. & Behav. Vols. Change of address: 3749 Gill Dr, Denver, Colo. 80209.
- SCHARF, DR. BERTRAM. Experimental Psychology. See L-Z Vol. 11th ed, Soc. & Behav. Vols. New position: Prof. 69-, Dept. of Psychology, Northeastern University, Boston, Mass. 02115.
- SCHIECK, DR. DENNIS CRAIG, b. Chicago, Ill. Aug. 14, 41. SOCIOLOGY. B.A. MacMurray Col. 63; David Ross fel. Purdue, 66-68, M.S. 67, Ph.D. (sociol). 69. Teaching asst. SOCIOL. Purdue, 63-66; ASST. PROF. SAN DIEGO STATE COL. 66-. Sociol. Asn. Soc. Study Social Prob. Social psychology, investigation into certain aspects of childhood socialization; the sociology of higher education. Address: Dept. of Sociology, San Diego State College, San Diego, Calif. 92115.
- SCHIEFLEN, DR. NORMA A (DNEE). Psychology. See L-Z Vol. 11th ed, Soc. & Behav. Vols. Change of address: Chetwynd Apartments, Apt. 130, Rosemont, Pa. 19010.
- SCHIEBE, DR. KARL EDWARD, b. Belleville, Ill. Mar. 5, 37; m. 61; c. 2. PSYCHOLOGY. B.S. Trinity Col. 59; Ph.D. (psychol). California, Berkeley, 63. Asst. prof. PSYCHOL. WESLEYAN, 63-67; ASSOC. PROF. 67-. Vis. prof. Univ. Brazil, 68. AAAS: Psychol. Asn. Belief and values; decision theory; social role theory. Publ: Co-auth. College students on chronic words, Behav. Pubs, 69; auth. Beliefs and values, Holt, 70. Address: 11 Long Lane, Middletown, Conn. 06457.
- SCHENSUL, DR. STEPHEN L. b. New York, N.Y. Mar. 3, 42. ANTHROPOLOGY. B.A. Hunter Col. 63; M.A. Minnesota, 65, Ph.D. (anthrop). 69. Res. assoc. anthrop. Makerere Inst. Soc. Res. Uganda, 67-68; DIR. COMMUNITY RES. COMMUNITY MENT. HEALTH PROG. MED. CENTER, ILL. STATE PSYCHIAT. INST. 68-. ASST. PROF. ANTHROP. ILLINOIS, CHICAGO CIRCLE & ASST. PROF. PSYCHIAT. ABRAHAM LINCOLN SCH. MED. 69-. Anthrop. Asn. Soc. Anthrop. Rural and peasant studies in Africa and the United States; urban anthropological research; applied anthropology; methodology; medical and psychological anthropology. Publ: Co-auth. The twilight zone of poverty, J. Human Orgn. spring 68. Address: Illinois State Psychiatric Institute, 1601 W. Taylor St, Chicago, Ill. 60612.
- SCHERRER, DR. FREDERIC M. Economics. See L-Z Vol. 11th ed, Soc. & Behav. Vols. New position: Prof. 69-, Dept. of Economics, University of Michigan, Ann Arbor, Mich. 48104.
- SCHERRER, DR. ISIDOR WOLFE. Psychology. See L-Z Vol. 11th ed, Soc. & Behav. Vols. New information: Free lance consult. Address: 1114 N. Olive Ave, West Palm Beach, Fla. 33401.
- SCHERTZ, DR. LYLE P (PAUL), b. El Paso, Ill. Nov. 4, 28; m. 54; c. 6. AGRICULTURAL ECONOMICS. B.S. & M.S. Illinois, 53; fel. Minnesota, 60-62, Ph.D. (agr. econ). 62. Res. asst. Illinois, 52-53; instr. U.S. Air Force Mgt. Anal. Sch. 53-55; asst. dir. bus. anal. dept. Pillsbury Co. 55-59; agr. economist, For. Agr. Serv. U.S. DEPT. AGR. 62-63, chief competition br. grain & feed div. 63-65, chief int. monetary & trade res. br. Econ. Res. Serv. 65-67, DEP. ADMINSTR. FOR. ECON. DEVELOP. SERV. 67-. U.S.A.F. 53-55, 1st Lt. Agr. Econ. Asn; Econ. Asst. Int. Asn. Agr. Econ. Soc. Int. Develop. Economic development; agricultural policy. Publ: Administrative controls of the feed livestock industry, 62, co-auth. Barriers to international grain trade, 65 & auth. United Kingdom cereal policies 1870-1967, 68, U.S. Dept. Agr. Address: 701 S. Greenbrier St, Arlington, Va. 22204.
- SCHIEUNG, DR. EBERHARD E. b. Stuttgart, Germany, July 31, 39; m. 68; c. 1. MARKETING, MANAGEMENT. M.B.A. Munich, 64, Ph.D. (mkt). 66. Exec. orgn. prod. planning & cost acct. Eva Corsetfabrik Eugen Scheuing, Stuttgart, Germany, 65-67; ASST. PROF. MKT. COL. BUS. ADMIN. ST. JOHN'S (N.Y.), 67-. Lectr. eve. schs. & adult cols. Univs. Munich & Stuttgart, 63-67. Consult. various industrs, Austria & Germany, 63-67; Mkt. Sci. Inst. Phila. Pa, summer 67. Publ: Erfolgreiche gestaltung von absatzmarkten (successful marketing). Betriebswirtschaftlicher Verlag, Dr. Th. Gabler, Wiesbaden, Germany, 67; The product life cycle as an aid in strategy decisions, Mgt. Int. Rev. 4-5/69; New product development and forecasting, In: The management of forecasting, St. John's Univ. N.Y. 69. Address: Dept. of Marketing, St. John's University, Jamaica, N.Y. 11432.
- SCHIAVI, DR. RAUL CONSTANCE. Psychiatry. See Suppl. V to 11th ed, Phys. & Biol. Vols.
- SCHIER, PROF. RICHARD F (RANCIS). Political Science. See L-Z Vol. 11th ed, Soc. & Behav. Vols. New information: Also chmn. dept. govt. Franklin & Marshall Col. 63-. Address: 2326 Middlegreen Court, Lancaster, Pa. 17601.
- SCHIFF, DR. ASHLEY L. Political Science. See 11th ed, Soc. & Behav. Vols. deceased 69.
- SCHIFF, FRANK W (WILLIAM). Economics. See L-Z Vol. 11th ed, Soc. & Behav. Vols. New position & address: Vpres. & chief economist, 69-, Committee for Economic Development, 1000 Connecticut Ave. N.W. Washington, D.C. 20036.
- SCHIFF, DR. MARTIN, b. New York, N.Y. Nov. 5, 40. POLITICAL SCIENCE. B.A. City Col. New York, 62; Nat. Defense Ed. Act fcls. Rutgers, 62-64, 65-66, M.A. 64, Ph.D. 69; Fulbright fel. Stockholm, 64-65, dipl. 65. Instr. POLIT. SCI. Rutgers, 66-69; ASST. PROF. JOHN JAY COL. CITY UNIV. NEW YORK, 69-. Polit. Sci. Asn. Economic and political integration in Scandinavia, Europe and the world; compatibility of Swedish neutrality with Ontario of sector geographic integration; relationship between different forms of integration. Address: 75 Montgomery St, New York, N.Y. 10002.
- SCHIFF, DR. WILLIAM. Psychology. See L-Z Vol. 11th ed, Soc. & Behav. Vols. New position & address: Dir. res. 69-, Center for Research & Advanced Training in Deafness Rehabilitation, New York University, 80 Washington Square East, Room 51, New York, N.Y. 10003.
- SCHILLACE, DR. RALPH J (AMES), b. Buffalo, N.Y. Aug. 16, 39; m. 62; c. 2. EXPERIMENTAL PSYCHOLOGY. B.A. Cleveland State, 62; Ohio State Ment. Hyg. fel. Cincinnati, 62-63, M.A. 64, Ph.D. (exp. psychol). 68. Trainee learning disabilities, Hamilton County Diag. Clin. Ohio, 62-64; asst. Cincinnati, 65-66, res. asst. higher ed. center res. & training, 66; ASST. PROF. PSYCHOL. OAKLAND, 67-. Consult. Hamilton County Diag. Clin. 65-66. AAAS. Biochemistry of memory; human learning; instructional systems. Address: Dept. of Psychology, Oakland University, Rochester, Mich. 48063.
- SCHILLER, DR. JOHANNES AUGUST. Sociology. See L-Z Vol. 11th ed, Soc. & Behav. Vols. New information: Chmn. 69-, Division of Social Sciences, Pacific Lutheran University, P.O. Box 2068, Tacoma, Wash. 98447.
- SCHINDLER, DR. FRED (ERICK) (FERNAND). Political Science. See L-Z Vol. 11th ed, Soc. & Behav. Vols. New publ: Responsible government in Ontario, Univ. Toronto, 69. Address: Dept. of Political Science, York University, Toronto 12, Ont. Can.
- SCHINDLER-RAINMAN, DR. EVA, b. Cologne, Germany, May 26, 25; U.S. citizen; d.c. 1. SOCIAL WELFARE. B.A. California, Berkeley, 46; M.S.W. Southern California, 56; Nat. Inst. Ment. Health fcls. 60-62, D.S.W. 63; Ford Found. fel. Chicago, 57. West Coast youth dir. Nat. Conf. Christians & Jews, 46-47; researcher, Coun. Soc. Agencies, 47-48; dir. Bushrod Recreation Center, 48-49; dir. personnel & training, Girl Scouts Am. 50-54; asst. dir. exten. California, Los Angeles, 54-55, conf. couns. 55-56, prof. sch. soc. welfare, 56-58; lectr. sch. soc. work, Southern California, 62-63; GUEST LECTR. SOCIOL. CALIFORNIA, RIVERSIDE, IRVINE & SANTA CRUZ, 63-. Consult. local, state & nat. orgns. Fel. Nat. Training Labs. Mem. Mayor's Community Adv. Cmt. & Coun. Int. Visitors. Cancer Soc; Nat. Asn. Soc. Workers; Adult Ed. Asn. U.S.; Coun. Soc. Work Ed. Conflict utilization; sensitivity training; creativity awareness; communication. Publ: Trainers in action, Camp Fire Girls, Inc. 69; co-auth. Facilitating personal growth, Training & Develop. J. Vol. 23, No. 9; auth. Communicating with today's teenagers: an exercise between generations, Children Mag. 11-12/69. Address: 4267 San Rafael Ave, Los Angeles, Calif. 90042.
- SCHLEGEL, DR. STUART A (LLEN), b. Sewickley, Pa. Dec. 11, 32; m. 58; c. 2. ANTHROPOLOGY. A.B. California, Los Angeles, 57; B.D. Church Divinity Sch. Pacific (Calif.), 60; M.A. & For. Area fel. Chicago, 65, Ph.D. (anthrop). 69. Prin. high sch. Philippines, 60-63; res. asst. ANTHROP. Philippines studies prog. Chicago, 63-68; ASST. PROF. CALIFORNIA, SANTA CRUZ, 68. Ed. consult. Encyclopedia Britannica Jr. 64-70; tech. consult. Trurray Coop. Asn. Philippines, 66-69. U.S.N. 51-54. AAAS; fel. Am. Anthrop. Soc.; Asn. Asian Studies; Philippine Social Sci. Cultural anthropology; comparative jurisprudence and religion. Publ: Tiruray justice: a case study in cultural adjustment, J. Sci. Study Relig. 67; The Tiruray constellations, Philippine J. Sci. 69. Address: Merrill College, University of California, Santa Cruz, Calif. 95060.
- SCHLEIDT, PROF. WOLFGANG M (ATTHAS). Zoology, Ethology. See Suppl. V to 11th ed, Phys. & Biol. Vols.
- SCHLESINGER, PROF. HERBERT J (ULIUS). Psychology. See L-Z Vol. 11th ed, Soc. & Behav. Vols. New position & address: Prof. 69-, Dept. of Psychiatry, University of Colorado Medical Center, 4200 E. Ninth Ave, Denver, Colo. 80220.

- SCHLESINGER, DR. JAMES RODNEY. Economics. See L-Z Vol. 11th ed, Soc. & Behav. Vols. New position & address: Asst. dir. & acting dep. 69-, U.S. Bureau of the Budget, Executive Office of the President, 17th & Pennsylvania Ave, N.W., Washington, D.C. 20503.
- SCHLICHT, DR. WILLIAM JOHN, JR. b. New York, N.Y. May 20, 30; m. 62; c. 3. PSYCHOLOGY. A.B. Bard Col. 52; M.S. City Col. New York, 56; Ph.D. (clin. psychol.) N.Y. Univ. 61. Psychologist, City Hosp. Elmhurst, 61-63; asst. prof. PSYCHOL. State Univ. N.Y. 63-65; Oakland, 65-66; North Dakota, 66-68; ASSOC. PROF. GEORGIA STATE, 68- Nat. Inst. Mental Health grants, 67-68. U.S.A. 53-55. Psychol. Asst. Soc. Sci. Study Sex. Group and individual psychotherapy; relationship of love, sex and health; nonverbal communication; social psychology of influence; training psychologists and nonprofessionals in the mental health field. Publ: Discrepancies between self-images with and without awareness and their relationship to adjustment, J. Clin. Psychol. 23: 470-472 & Demand characteristics in a situation perceived by subjects as distinct from the psychological experiment in which they expected to participate, J. Human Rel. 16: 439-450; sr. author, Self-images without awareness and projective methods of personality assessment, J. Proj. Tech. & Personality Assessment, 33: 419-423. Address: 138 Pine View Dr. Smyrna, Ga. 30080.
- SCHLOSS, DR. JOHN JACOB, b. New York, N.Y. Apr. 15, 39; m. 64; c. 1. COUNSELING PSYCHOLOGY, PSYCHOLOGY. A.B. Adelphi, 61; U.S. Pub. Health Serv. fel. & M.A. Rochester, 63; Nat. Defense Ed. Act fel. & Ph.D. (counseling psychol.) Syracuse, 69. Instr. psychol. State Univ. N.Y. Col. Oswego, 62-65; teaching asst. counseling psychol. Syracuse, 65-66; ASST. PROF. PSYCHOL. Springfield Col. 66-67; HARTFORD, 67- Consult. Hartford Hosp. Conn. 68- Manchester Nurses Assn. 69- Psychol. Asst. Personnel & Guid Assn; Asst. Counsr. Ed. & Supv. Group and individual psychotherapy; teaching research. Publ: Co-auth. Urban generalist: a manpower need for Connecticut, Conn. Res. Cmn. 69. Address: Dept. of Psychology, University of Hartford, 200 Bloomfield Ave. West Hartford, Conn. 06117.
- SCHLUSBERG, DR. MALCOLM D(AVID), b. Gloversville, N.Y. Oct. 9, 33; m. 59. POLITICAL SCIENCE, LAW. A.B. Michigan, 55; J.D. Colorado, 59; NASA grant, Syracuse, 68-69. Ph.D. (soc. sci.) 70. Asst. prof. BUS. ADMIN. SYRACUSE, 65-69; ASSOC. PROF. 69- Fiscal consult. N.Y. State Senate Finance Cmt. 66- Polit. Sci. Asn; Law & Society Asn. Bus. Law. Asn. Legal systems analysis, public law-government contract administration; corporate legitimacy; role of business in contemporary society; educational policy. Publ: Due process: the Supreme Court gets turned on and tuned in, Am. Bus. Law J. fall 68; Educational policy for New York State, N.Y. State Ed. 5/69; Corporate legitimacy and social responsibility: the role of law, Calif. Mgt. Review, fall 69. Address: College of Business Administration, Syracuse University, Syracuse, N.Y. 13210.
- SCHMID, DR. ALBERT CHARLES, b. Salda, Colo. Sept. 9, 41; m. 66. CLINICAL PSYCHOLOGY. B.A. Colorado, 63; U.S. Pub. Health Serv. fel. & M.A. Utah, 65, Ph.D. (psychol.) 68. Staff psychologist, Patton State Hosp. 68-69; sr. psychologist, 69; CLIN. PSYCHOLOGIST, SACRAMENTO MED. CENTER & CLIN. INST. RES. TRAINING, SCH. MED. CALIFORNIA, DAVIS, 70- Instr. exten. Univ. California, Riverside, 68. Consult. psychologist, Utah State Indust. Sch. 66-68. Behavior disorder; social influence; intern training. Publ: The role of clinical psychology in time of disaster, Exp. Publ. Syst. 8/69; Susceptibility to social influence and retention of opinion change in two types of delinquents, J. Abnorm. Psychol. (in press). Address: Mental Health Unit, Sacramento Medical Center, 4430 V St, Sacramento, Calif. 95817.
- SCHMIDT, DR. ALVIN JOHN, b. Waldersee, Man. Sept. 28, 32; U.S. citizen; m. 64; c. 2. SOCIOLOGY. B.A. Valparaiso, 62; B.D. Concordia Theol. Sem. 64; M.A. Nebraska, 67; Nat. Inst. Mental Health fel. 69. Ph.D. (sociol.) 70. Instr. SOCIOL. CONCORDIA TEACHERS COL. (NEBR.) 65-67, asst. prof. 67-70; ASSOC. PROF. 70- Asst. prof. Nebraska, 69-70. Sociol. Asn; Soc. Sci. Study Relig; Rural Sociol. Soc; Soc. Prof. Social Probs. Social organization, specifically voluntary associations; bureaucratic structures; social psychology. Address: Dept. of Sociology, Concordia Teachers College, Seward, Nebr. 68434.
- SCHMIDT, DR. CHARLES THEODORE, JR. b. Taunton, Mass. Nov. 16, 34; m. 58; c. 3. LABOR ECONOMICS, INDUSTRIAL SOCIAL PSYCHOLOGY. B.S. Massachusetts, 58; M.B.A. Northeastern, 62; M.I.L.R. Cornell, 64; Ph.D. (soc. sci.) 68. Mgr. labor rels. & compensation, Raytheon Co. 58-62; asst. prof. & lr. labor & indust. rels. Mich. State, 64-67; instr. INDUST. RELS. Minnesota, 67-68; ASSOC. PROF. RHODE ISLAND, 68- Mem. New York Off. Collective Bargaining Dispute Settlement Register Panel, N.J. Pub. Employment Relis. Cmn. Dispute Settlement Panels, New York Pub. Employ. Relis. Bd. Dispute Settlement Panel & Mass. Bd. Conciliation & Arbitration Panel & Arbitrators & Fact-Finders, 65-; pub. mem. & secy. R.I. Legis. Cmn. 69-70. Indust. Relis. Res. Asn; Econ. Asn; Econ. Evolutionary Econ; Acad. Polit. & Soc. Sci. Collective bargaining; labor law and movement, especially developments within the public sector of the economy; manpower economics and human resource development. Publ: Co-auth. A guide to collective negotiations in education, Mich. State Univ. 67, Collective bargaining in public service, Random, 69 & Job retraining through adult education, In: Employment, race and poverty, Harcourt, 66. Address: Ballentine Hall, University of Rhode Island, Kingston, R.I. 02881.
- SCHMIDT, PROF. EDWARD B(BENJAMIN). Economics. See L-Z Vol. 11th ed, Soc. & Behav. Vols. New information: Retired, 68. Address: P.O. Box 823, Lincoln, Nebr. 68501.
- SCHMIDT, DR. GERHARD. Economics. See L-Z Vol. 11th ed, Soc. & Behav. Vols. Change of address: 801 West End Ave, Apt. 5A, New York, N.Y. 10025.
- SCHMIDT, DR. HELMUT. Physics, Parapsychology. See Suppl. VI to 11th ed, Phys. & Biol. Vols.
- SCHMIDT, DR. LYLE DARREL. Psychology. See L-Z Vol. 11th ed, Soc. & Behav. Vols. New position & address: Prof. 69-, Dept. of Psychology, Ohio State University, 1945 N. High St, Columbus, Ohio 43210.
- SCHMIDT, DR. NANCY JEANNE. Anthropology. See L-Z Vol. 11th ed, Soc. & Behav. Vols. New position & address: Asst. African Bibliogr. 70-, University Library, Indiana University, Bloomington, Ind. 47401.
- SCHMIDT, DR. ORVILLE HAROLD, b. Annandale, Minn. Mar. 22, 30; m. 61. POLITICAL SCIENCE. B.A. Minnesota, 56; M.A. George Washington, 62; Ph.D. (polit. sci.) West Virginia, 67. Instr. POLIT. SCI. West Liberty State Col. 62-65, asst. prof. 65-67; West Virginia, 67; ASSOC. PROF. & CHMN. DEPT. ST. CLOUD STATE COL. 67- U.S.A. 48-52. Asian government and politics. Publ: The moderate state: renaissance or senescence, Vidya, spring 68. Address: Dept. of Political Science, St. Cloud State College, St. Cloud, Minn. 56301.
- SCHMIDT, DR. WARREN H(HARRY). Psychology. See L-Z Vol. 11th ed, Soc. & Behav. Vols. New information: Also asst. dean, California, Los Angeles, 69-. Address: 9238 Petit Ave, Sepulveda, Calif. 91343.
- SCHMITT, DR. ERICH. Computer Science. See Suppl. V to 11th ed, Phys. & Biol. Vols.
- SCHMUDDE, DR. THEODORE HENRY. Geography. See L-Z Vol. 11th ed, Soc. & Behav. Vols. Change of address: RFD 6, Carbondale, Ill. 62901.
- SCHMUTZ, PROF. D. CLARENCE. Agricultural Economics. See L-Z Vol. 11th ed, Soc. & Behav. Vols. New position: Prof. 68-, Southern Utah State College, Cedar City, Utah 84720.
- SCHNAIBERG, DR. ALLAN, b. Montreal, Que. Aug. 20, 39; m. 62; c. 1. SOCIOLOGY. B.S. McGill, 60; A.M. Michigan, 64; Pop. Coun. fcls. 65-66, 67-68, Ph.D. (sociol.) 68. Tech. adv. Nat. Family Planning Bd. of Malaysia, 66-67; ASST. PROF. SOCIOL. NORTHWESTERN, 69- Consult. State Mich. Pop. Projection, 65-66, 67-68; mem. freeway adv. bd. Fox River Valley Freeway, 69-70. AAAS: Sociol. Asn; Pop. Asn; Asn. Regional Sci. Asn. Processes of individual modernization; population control; human ecology; survey research methodology. Publ: Rural-urban residence and modernism: a study of Ankara Province, Turkey, Demography, 70; Measuring modernism: theoretical and empirical explorations, Am. J. Sociol. 70; The modernizing impact of urbanization: a causal analysis, Econ. Develop. & Cultural Change, 70. Address: Dept. of Sociology, Northwestern University, Evanston, Ill. 60201.
- SCHNEIDER, DEAN CARL J. Political Science. See L-Z Vol. 11th ed, Soc. & Behav. Vols. New information: Also dean faculty, 69-70, Kirkland College, Clinton, N.Y. 13323.
- SCHNEIDER, CLEMENT J. S.J. Sociology. See L-Z Vol. 11th ed, Soc. & Behav. Vols. New information: Also acting pres. 69-, Creighton University, Omaha, Nebr. 68131.
- SCHNEIDER, DR. DAVID JOE, b. Indianapolis, Ind. July 24, 40; m. 62; c. 2. SOCIAL PSYCHOLOGY. B.A. Wabash Col. 62; Ph.D. (psychol.) Stanford, 66. Instr. PSYCHOL. AMHERST COL. 66-67, ASST. PROF. 67- Nat. Sci. Found. grant, 68-70. Consult. Cmt. Study Hist. 67- Soc. Study Social Issues; Psychol. Asn. Self-presentation; person perception; self-concept. Publ: Co-auth. Person perception, Addison-Wesley, 70: A test of the 'risk is a value' hypothesis, 115: 165-169 & auth. Tactical self-presentation after success and failure, 13: 262-268, J. Personality & Soc. Psychol. Address: Dept. of Psychology, Amherst College, Amherst, Mass. 01002.
- SCHNEIDER, DR. FRANK W, b. Derby, Conn. June 16, 41; m. 67. SOCIAL & EDUCATIONAL PSYCHOLOGY. B.A. Ohio Wesleyan, 63; M.S. Ohio, 65; Ph.D. (psychol.) Florida, 68. ASST. PROF. PSYCHOL. WINDSOR, 68- B. racial interaction; social learning; group processes. Publ: Co-auth. An analysis of the incidental-intentional learning dichotomy, J. Exp. Psychol. 1/67 & Sanctioning behavior in Negro and in white populations, J. Soc. Psychol. 6/70; auth. Conforming behavior of black and white children, J. Personality & Soc. Behav. 11/70. Address: Dept. of Psychology, University of Windsor, Windsor, Ont. Can.
- SCHNEIDER, DR. GERALD EDWARD, b. Libertyville, Ill. Aug. 20, 40; m. 62; c. 1. PHYSIOLOGICAL PSYCHOLOGY, NEUROANATOMY. B.Sc. Wheaton Col. (Ill.) 63; Nat. Insts. Health fel. Mass. Inst. Tech. 65-66, Ph.D. (psychol.) 66. Res. assoc. neuroanat. MASS. INST. TECH. 66-67, ASST. PROF. PSYCHOL. 67- Am. Psychol. Asn. Young psychologist award, 66. AAAS; Asn. Anat. Comparative psychology and neurology; functional neuroanatomy; behavioral effects of brain lesions; mechanisms of recovery from brain damage; brain development. Publ: Co-ed. Subcortical visual systems, Karger, 69; auth. Two visual systems: brain mechanisms for localization and discrimination are dissociated by tectal and cortical lesions, Science, 2/69 & Mechanisms of functional recovery following lesions of visual cortex or superior colliculus in neonate and adult hamsters, Brain, Behav. & Evolution, 70. Address: Dept. of Psychology, E10-110A, Massachusetts Institute of Technology, Cambridge, Mass. 02139.
- SCHNEIDER, PROF. HAROLD K(ENNETH). Anthropology. See L-Z Vol. 11th ed, Soc. & Behav. Vols. Change of address: Rt. 1, Menasha, Wis. 54952.
- SCHNEIDER, DR. MARVIN. Experimental Psychology. See L-Z Vol. 11th ed, Soc. & Behav. Vols. New position: Mgr. psych. systs pro. Syst. Develop. Corp. 69- Address: 2 Aspen Lane, New City, N.Y. 10956.
- SCHNEIDER, DR. VERNON EARL. Agricultural Economics, Statistics. See L-Z Vol. 11th ed, Soc. & Behav. Vols. New position & address: Pres. 69-, American Institute of Cooperation, 1129 - 20th St. N.W., Washington, D.C. 20036.
- SCHNEIDERS, PROF. ALEXANDER A(LOYSIUS). Psychology. See 11th ed, Soc. & Behav. Vols. deceased 68.

- SCHNEIRLA, DR. THEODORE (CHRISTIAN). Psychology. See 11th ed, Soc. & Behav. Vols, deceased 68.
- SCHNELL, DR. GEORGE A (DAM). Geography. See L-Z Vol, 11th ed, Soc. & Behav. Vols. New information: Chmn. dept. geog. State Univ. N.Y. Col, New Paltz, 69. Address: 1 N. Mainhigh Blvd, New Paltz, N.Y. 12561.
- SCHOEN, DR. JAMES R. Milwaukee, Wis, Aug. 21, 22; m. 46; c. 8. PSYCHOLOGY. B.S. U.S. Naval Acad, 45; M.A. Ohio State, 52; Ph.D. (ed. psychol), Catholic Univ, 65. Instr. hist. & econ. U.S. Naval Acad, 57-60; asst. prof. PSYCHOL. NORTH ADAMS STATE COL, 65-68, ASSOC. PROF, 68- U.S.M.C, 45-65, Lt. Col. Psychol. Asn. Programmed instruction; educational innovation; independent study; consciousness sampling. Address: Northwest Hill Rd, Williamstown, Mass. 01267.
- SCHOEN, DR. KATHRYN T. Speech Education. See 5th ed, Dir. Am. Scholars, Vol. II, Eng, Speech & Drama.
- SCHOENBERGER, DR. ROBERT (JOSEPH). Environmental Engineering. See Suppl. VI to 11th ed, Phys. & Biol. Vols.
- SCHOEPPLE, DR. GREGORY KERN, b. Oberlin, Ohio, Oct. 29, 44. ECONOMICS. A.B. Oberlin Col, 66; M.S. Purdue, 68; Ph.D. (econ), 69. Nat. Sci. Found. res. asst., Purdue, 66-69; ASST. PROF. ECON. STATE UNIV. N.Y., STONY BROOK, 69. State Univ. N.Y. Res. Found. (ed), summer 70. Econ. Asn.; Economet. Soc. Economic and econometric theory; mathematical statistics; logical foundations of quantitative economics; derivation and application of exact finite sample distribution functions of structural estimators. Address: Dept. of Economics, State University of New York at Stony Brook, Stony Brook, N.Y. 11790.
- SCHOEPLIN, DR. ROBERT N. b. San Francisco, Calif. July 26, 35; m. 59; c. 2. ECONOMICS. B.S. California, Berkeley, 57; M.A. 62; M.S. Wisconsin, 64. Ph.D. (econ), 65. ASST. PROF. ECON. CONNECTICUT, 65. Econ. Asn.; Nat. Tax Asn. Publ. Taxpayer participation under the registered retirement savings act, ECON. Texas Christian, 59-60; asst. prof. Texas, El Paso, 60-63; California, Davis, 65-67; Va. POLYTECH, 67-69, ASSOC. PROF, 69. Dubuque, 67-68; ED. LETHBRIDGE, 68. Instr. Prof. for Gifted, Bd. Coop. Ed. Serv. N.Y. 57-61; eve. div. & summer sessions, Utica Col, Syracuse, 61-68. U.S.N. 42-48. Acad. Polit. & Soc. Sci. Hist. Asn.; Ed. Studies Asn.; Can. Asn. Found. Ed. Modern American history; educational administration. Address: 1732 Tenth Ave. A. South, Lethbridge, Alta, Can.
- SCHOTTA, PROF. CHARLES B. Kansas City, Mo, Feb. 27, 35; m. 60. ECONOMICS. B.A. Texas Christian, 57; M.A. Brown, 59, Ford Found. fel. 62-63, Earhart Found. fel. 63-64, Richard D. Erwin Found. fel. 64-65. Instr. ECON. Texas Christian, 59-60; asst. prof. Texas, El Paso, 60-63; California, Davis, 65-67; Va. POLYTECH, 67-69, ASSOC. PROF, 69. Consult. State Corp. Cmn. Commonwealth Va. & bus. consult, Va. 69. U.S.A.R. 57-58, Capt. Econ. Asn.; Finance Asn.; Statist. Asn.; Opers. Res. Soc. Am. Monetary economics; public utility economics; economics of crime and education. Publ. The money supply, exports and income in an open economy; Mexico, 1939-1963, Econ. Develop. & Cultural Change, 8/66; co-auth. A spectral analysis of post-accord federal open market operations, Am. Econ. Rev. 3/69 & Federal open market operations and variations in the reserve base, J. Finance, 70. Address: Dept. of Economics, Virginia Polytechnic Institute, Blacksburg, Va. 24061.
- SCHRAG, DR. DONALD E. b. Kingman, Kans, Jan. 20, 35; m. 56; c. 4. CLINICAL PSYCHOLOGY. B.A. Bethel Col, 56; M.Ed. Wichita State, 62; U.S. Pub. Health Serv. fcls. La. State, 63-64, 65-66, Ph.D. (clin. psychol), 66. ASST. PROF. PSYCHOL. ALABAMA, 65-. STAFF PSYCHOLOGIST, STUDENT HEALTH CENTER, 66-. DIR. MENT. HEALTH SERV, 68-. Private practice clin. psychol., Ala., 68-. consult. Ment. Health Center, Muscle Shoals, Ala. 68-69; North Cent. Ala. Ment. Health Center, Decatur, 68-. Thinking in schizophrenics; MMPI health scales; motivation by subliminal suggestion; hypnoanalysis treatment procedures. Publ. A clinical investigation of cognitive processes in schizophrenic patients, Dissertation Abstracts, 67. Address: Box Y, Dept. of Psychology, University of Alabama, University, Ala. 35486.
- SCHRAG, PROF. F. (JAMES). Sociology. See L-Z Vol, 11th ed, Soc. & Behav. Vols. New position & address: Prof. & chmn., 69, Dept. of Sociology, Acadia University, Wolfville, Nova Scotia, Can.
- SCHRAMM, DR. ALLAN N. Communications. See 5th ed, Dir. Am. Scholars, Vol. II, Eng, Speech & Drama.
- SCHRAITZ, PAUL R. b. Pittsburgh, Pa, Oct. 1, 15; m. 41; c. 7. B.S. U.S. Naval Acad, 39; cert. Naval War Col, 59; M.A. Boston, 61; Mershon fel. Ohio State, 66; Wilbur Park fel. U.K. 67; cert. Nat. War Col, 67. Spec. asst. to dir. polit.-mil. policy div. Off. Chief. Naval Opers, 51-54; mem. faculty long range acad. planning, Naval War Col, 59-61; mem. joint staff & asst. for arms control, Joint Chiefs of Staff, D.C. 62-64, res. U.S. Dept. Defense & Joint Chiefs Staff, U.S. Del. Eighteen National Disarmament Conf, 63-64; chief of plans, Off. Secy. Defense, Int. Security Affairs, 64-65; mem. faculty polit. affairs, Nat. War Col, 66-68; DIR. RT. STUDIES, UNIV. MISSOURI, 68. V-pres, Am. Friends Wilton Park, 69-. Consult. Res. Anal. Corp. D.C. 68-69. U.S.N. 39-69, Capt. Int. Studies Asn. National security study; defense department organization; national strategy and policy making procedures. Publ. History of the U.S. Naval War College, Naval War Col, 60; The Ivy clad man on horseback, In: Growth and development of aerospace power, U.S. Air Force, 67; Strategic theory and action: the southern flank of NATO, In: NATO in the seventies, Univ. Missouri, 70. Address: Office of International Studies, University of Missouri, 8001 Natural Bridge Rd, St. Louis, Mo. 63121.
- SCHREINER, DR. DEAN FREDERICK, b. Wellington, Colo, Nov. 9, 37; m. 60; c. 1. AGRICULTURAL ECONOMICS. B.S. Colorado State, 60; M.S. Iowa State, 63, Ph.D. (agr. econ), 67. Res. asst. AGR. ECON. Iowa State, 60-63, res. assoc. 63-65, instr. 65-66, ASST. PROF, 66-68; OKLA. STATE, 68- Agr. Econ. Asn.; Econ. Asn.; Regional Sci. Asn. Regional economics and policy; rural planning and policies; input-output; foreign regional and agricultural development. Publ. Co-auth. An integrated growth model for the basic sectors and dependent residential sectors of southern Peru, In: Int. Studies in Econ. ser. Iowa State Univ, 68. Address: Dept. of Agricultural Economics, Oklahoma State University, Stillwater, Okla. 74074.
- SCHREINER, DR. PHILIP JOSEPH. Communication, Business Administration. See 5th ed, Dir. Am. Scholars, Vol. II, Eng, Speech & Drama.
- SCHRIEBER, PROF. ALBERT N. b. Chicago, Ill, Dec. 5, 16; m. 39; c. 2. BUSINESS ADMINISTRATION. B.S.M.E. Ill. Inst. Tech, 39; M.B.A., Harvard, 47. Eng. fel. Mid-West Heat Serv. Co, Ill. 39-49; Puget Sound Navy Yard, Wash, 39-41; chief prod. engr, ship. div, Puget Sound Bridge & Dredge Co, 41-45; asst. to pres, Century Fabrics Co, 47-48; PROF. BUS. ADMIN. WASHINGTON (SEATTLE), 48-. Pres, Pac. Plastics Co, Wash, 55-56. Prof. Mgt. Develop. Inst. Lausanne, 65-67. Consult, Boeing Co, Wash, 67; U.S. Dept. Defense, Wash, D.C. 67-62; Gerin & Merin, France, 66-67; Hyster Corp. Ore, 67-68; Rolls Royce Ltd, Eng, 67-; Benaroya Co, Wash, 69-. Inst. Mgt. Sci.; Acad. Mgt. Nat. Asn. Purchasing Mgrs. Design and use of simulation and gaming techniques with computers for teaching and research in business management; improvement curve theory in industry; case research and writing in business policy and operations management. Publ. Co-auth. Small business & defense prement. Univ. Washington, 61 & Cases in manufacturing management, McGraw, 65; auth. ed, Corporate simulation models, Univ. Washington, 70. Address: Graduate School of Business Administration, University of Washington, Seattle, Wash. 98105.
- SCHRIER, DR. HARVEY. Psychology. See L-Z Vol, 11th ed, Soc. & Behav. Vols. Change of address: The San Remo, 146 Central Park West, New York, N.Y. 10023.
- SCHROCK, DR. NICHOLAS WICKHAM, b. Massillon, Ohio, Aug. 17, 39; m. 61. ECONOMICS. B.A. Western Reserve, Ill.; M.A., San Diego, Cal, 63; Carnegie fel. Oregon, 64-65, Ph.D. (econ), 67. Asst. prof. ECON. San Diego State Col, 67-68; vis. asst. prof. COLORADO, 68-69, ASST. PROF, 69-. Vis. asst. prof, Oregon, summer 68. U.S.A.F.R. 57-60. Econ. Asn.; Finance Asn.; Pop. Asn. Am. Theory of asset choice; commodity future trading; economic demography. Publ. Co-auth. White and nonwhite fertility by census tract, Eugenics Quart, 68; auth. Asset choice under uncertainty with borrowing interest, West Econ. 67. Address: Dept. of Economics, University of Colorado, Boulder, Colo. 80302.
- SCHROEDER, DR. DAVID, b. New Albany, Ind, Sept. 2, 42. SOCIOLOGY. B.A., Indiana, 63; Nat. Inst. Ment. Health trainee & M.A. Northwestern, 67, Ph.D. (sociol), 70. DIR. ORGN. RES. PROF. COMMUNITY MENT. HEALTH PROG, ILL. STATE PSYCHIAT. INST. 68-. Sociol. Asn.; Soc. Study Social Probs. Sociology of occupations, mental illness, organizations, sex and deviance; social psychology. Publ. Co-auth. Rejection of the mentally ill by mental health professionals, J. Health & Soc. Probs. 68. Address: Organizational Research Project, Community Mental Health Program, Illinois State Psychiatric Institute, 1601 W. Taylor St, Chicago, Ill. 60612.
- SCHROEDER, DR. HAROLD E. b. Detroit, Mich, Oct. 24, 32; m. 59; c. 3. PSYCHOLOGY. B.A. Capital Univ, 52; S.T.M. Andover Newton Theol. Sch, 57; Hamburg, 60-61; Nat. Inst. Ment. Health fel. Pa. State, 65-67, Ph.D. (psychol), 67. Intern. Norfolk State Hosp. & Northeast Ment. Health Center, 67-68; ASST. PROF. PSYCHOL. KENT STATE, 68-. Consult, Hawthorn State Hosp, 69-. Psychol. Asn. Psychotherapy; behavior modification; social influence. Address: Dept. of Psychology, Kent State University, Kent, Ohio 44240.
- SCHROEDER, DR. ROBERT GEORGE, b. San Francisco, Calif, July 21, 29. ECONOMICS. INTERNATIONAL FINANCE. B.A. California, Berkeley, 51, M.A. 53, Ph.D. (econ), 59. DIR. RES. Am. Savings & Loan Asn, 59-66; Home Savings & Loan Asn, 66-68; CALIF. SAVINGS & LOAN LEAGUE, 68-. Consult. economist, Calif. State Dept. Savings & Loan, 68-; consult, Nev. Savings & Loan, First West. Savings & Loan & Frontier Fidelity Savings & Loan, 69. Econ. Asn. Economics of the savings and loan industry; related money markets; special studies for individual savings and loan associations and supervisory authorities. Address: 8904 Crescent Dr, Los Angeles, Calif. 90046.
- SCHROEDER, DR. WILLIAM WIDICK. Sociology of Religion, Social Ethics. See 5th ed, Dir. Am. Scholars, Vol. IV, Philos, Relig. & Law.
- SCHTEN, DR. EDWARD (VICTOR). Public Administration. See L-Z Vol, 11th ed, Soc. & Behav. Vols. New position: Prof. polit. sci, univ. exten. 69- & dir., 68-. Institute of Governmental Affairs, University of Wisconsin, Madison, Wis. 53706.
- SCHUBERT, DR. DANIEL SVEN PAUL, b. Buffalo, N.Y., Sept. 28, 35; m. 69. PSYCHIATRY. PSYCHOLOGY. B.A. Buffalo, 55; M.D. State Univ. N.Y. Buffalo, 65; Ph.D. (psychol), Chicago, 69. RES. PSYCHIAT, YALE, 69-. U.S.A. 69-69, Maj. Am. Med. Asn.; Psychol. Asn. Biological aspects of psychology and psychiatry; normal personality; psychiatric measurement; psychosomatic medicine; evaluation of therapy. Publ. Arousal seeking as a motivation for volunteering, J. Proj. Tech. & Personality Assessment, 64, increase in palmar sweat gland activity by heat, Can. J. Physiol. & Pharmacol., 68 &

- Simple task rate as a direct function of diurnal S.N.S. predominance. *J. Comp. & Physiol. Psychol.* 69. Address: Dept. of Psychiatry, Yale University, 333 Cedar St, New Haven, Conn. 06510.
- SCHUBERT, DR. HERMAN J (ACOB) P(AUL). Psychology. See L-Z Vol, 11th ed, Soc. & Behav. Vols. Change of address: 500 Klein Rd, Buffalo, N.Y. 14221.
- SCHUCKERT, DR. ROBERT FREDERICK. b. Caro, Mich, Oct. 3, 23; m. 44; c. 5. HUMAN DEVELOPMENT. B.A., Fla. South. Col. 63; M.A., Fla. State, 64, Ph.D. (child develop. psychol), 66. Asst. prof. child develop. Tennessee, 66-69; ASSOC. PROF. HUMAN DEVELOP. & HEAD DEPT., ALABAMA, 69. U.S.A.F. 43-46, 2nd Lt. Psychology. Asst. Soc. Res. Child Develop; Nat. Comm. Family Rel. Sensory perception in children; behavior modification; preschool environmental effects. Publ: Spatial avoidance in albino rats as a function of post-irradiation confinement; J. Genet. Psychol., 68. co-auth. An experimental method of relating variations in teacher participation to measures of child fatigue in preschool & An attempt to modify the musical preferences of pre-school children, *J. Ed. Res.*, 68. Address: 25 Woodland Hills, Tuscaloosa, Ala. 35401.
- SCHUCKMAN, DR. HAROLD. Psychology. See Suppl. VI to 11th ed, Phys. & Biol. Vols.
- SCHUERGER, DR. JAMES W. b. Cleveland, Ohio, Feb. 16, 32; m. 60; c. 2. PSYCHOLOGY, EDUCATION. A.B., John Carroll, 55; M.Ed., Kent State, 64, Ph.D. (counseling, measurement), 67. Dir. guid. Gilmour Acad., 64-68; RES. ASST. PROF. PSYCHOL., ILLINOIS, URBANA, 68. Lectr., Case West. Reserve, 67-68; res. proj. dir., Inst. Personality & Ability Testing, 68-70. Psychol. Asst.; Ed. Res. Asn. Multivariate behavioral research; personality assessment; human abilities. Publ: Counseling for college choice, Peacock, 70; co-auth. The validity for ninth grade achievement of the SSAT and other admission criteria in private secondary school, *Ed. Psychol. Measurement*, summer 67 & Objective-analytic personality factors as correlates of school achievement, *Personality: an Int. J.*, 5/70. Address: 907 S. Sixth St, Champaign, Ill. 61801.
- SCHUERMAN, DR. JOHN R. b. Scottsbluff, Nebr., Feb. 27, 38; m. 65; c. 2. SOCIAL WORK. S.B., Chicago, 60; A.B., 63. Asst. prof. soc. & behav. sci., North Carolina, 68-69; CONSULT. CENTER STUDY CRIMINAL JUSTICE, LAW SCH., 69. Nat. Asn. Soc. Workers; Coun. Soc. Work Ed. Family interaction; psychiatric rehabilitation; methods of research in social welfare. Publ: Co-auth. Changes in social functioning of hospitalized psychiatric patients, *Soc. Serv. Rev.*, 12/67. Address: School of Social Service Administration, University of Chicago, 969 E. 60th, Chicago, Ill. 60637.
- SCHUFLETOWSKI, DR. FRANK WALTER. b. Havre, Mont., Jan. 24, 40; m. 60; c. 2. HIGHER EDUCATION, SOCIO-PSYCHOLOGICAL MEASUREMENT & RESEARCH. B.A. Southwest Christian Sem., 60, Th.M., 61; M.A., Arizona State, 62; Ph.D. (higher ed. sociol.), Washington State, 65. Asst. prof. ED. RES., Idaho State, 65-68; KANSAS, 66-68; ASSOC. PROF., 69. Statist. Asst.; Ed. Res. Asn. Problems of eliminating errors in psychological measurements; difficulties of precise communications; research pertaining to colleges and universities. Publ: Co-auth. Notes for introduction to education: a student guide, William Brown, 66; auth. Are college women satisfied with their equality and freedom?, *J. Col. Student Personnel*, 3/67; co-auth. The questionable foreign student, *Sch. & Society*, 4/13/68. Address: 1910 Miller Dr, Lawrence, Kans. 66044.
- SCHUL, DR. NORMAN WILLARD. Geography. See L-Z Vol, 11th ed, Soc. & Behav. Vols. New information: Chmn. div. soc. & behav. sci., North Carolina, 68-69. prof. geog. 69-70. dir. inst. urban studies & community serv., 70- Address: Division of Social & Behavioral Sciences, University of North Carolina at Charlotte, Charlotte, N.C. 28205.
- SCHULBERG, DR. HERBERT CHARLES. Psychology. See L-Z Vol, 11th ed, Soc. & Behav. Vols. New information: Assoc. dir., United Community Serv., 69- Address: Dept. of Psychiatry, Harvard Medical School, 58 Fenwood Rd, Boston, Mass. 02115.
- SCHULMAN, DR. ABBOTT JAY. Clinical Psychology. See L-Z Vol, 11th ed, Soc. & Behav. Vols. Change of address: 1108 Ridgcrest Rd, Richmond, Va. 23219.
- SCHULMAN, DR. ALLAN H. b. Philadelphia, Pa., Apr. 26, 42. PSYCHOLOGY. B.A., Temple, 64; M.S., Pa. State, 66, Ph.D. (psychol), 69. Res. asst., animal behavior, Pa. State, 64-66; ASST. PROF. PSYCHOL., VA. POLYTECH., 68 with Animal Behav. Soc. Int. Soc. Develop. Psychobiol. Comparative psychology; physiological correlates of social behavior imprinting. Publ: Co-auth. Characteristics of visual stimuli for initial approach response in neonatal chicks, 66 & auth. Imprinting training effects on hyperstriatal EEG and on heart rate variability in young chicks and turkeys, 69, *Am. Zoologist*. Address: Dept. of Psychology, Virginia Polytechnic Institute, Blacksburg, Va. 24061.
- SCHULMAN, DR. IRWIN J. b. Feb. 18, 32; U.S. citizen; m. 53; c. 3. POLITICAL SCIENCE, CHINESE STUDIES. B.A., Chicago, 51, A.M., 54; Ford Found. fel., Harvard, 51-52 & Acad. Sinica, 58-59; Ph.D. (govt.), Columbia, 67. Instr. POLIT. SCI., PITTSBURGH, 60-67; ASST. PROF., 67- Fulbright-Hays res. fel., 68-69. Polit. Sci. Asn.; Asn. Asian Studies. Chinese politics, particularly Maoism; peasant movements. Address: Dept. of Political Science, University of Pittsburgh, Pittsburgh, Pa. 15213.
- SCHULTE, SISTER M. YOLANDE, O.S.F. b. St. Croix Falls, Wis., Mar. 12, 1909. ECONOMICS, POLITICAL SCIENCE. B.A., Col. St. Teresa, 31; summer, Minnesota, 39; M.A., Catholic Univ., 40, Ph.D. (econ), 46; summer, Freiburg, Switz, 50. PROF. ECON. & SOC. SCI., COL. ST. TERESA (MINN.), 42- Econ. Asn. Labor and industrial relations; money and banking; consumer problems. Publ: Trends in the use of checks, 1900-1940; Wage theories before certain industry committees of the Wage and Hour Administration; Some economic and ethical aspects of protective legislation for the consumer, *Rev. Soc. Econ. Admin.* Address: Dept. of Economics & Social Science, College of St. Teresa, Winona, Minn. 55987.
- SCHULTZ, PROF. DUANE P (HILIP). Psychology. See L-Z Vol, 11th ed, Soc. & Behav. Vols. New information: Prof., North Carolina, Charlotte, 69-; on leave as vis. prof., Univ. Groningen, 70- Address: 400 McAlway Rd, Charlotte, N.C. 28211.
- SCHULZ, DR. DAVID A. Sociology. See L-Z Vol, 11th ed, Soc. & Behav. Vols. New position & address: Assoc. prof. sociol. & sr. sociologist, 70-, Division of Urban Affairs, University of Delaware, Raub Hall, Newark, Del. 19711.
- SCHULZ, DR. JAMES H. b. Abington, Pa., July 20, 36; m. 58; c. 2. ECONOMICICS. B.A., Miami (Ohio), 58; Ph.D. (econ), Yale, 66. Asst. prof. econ., New Hampshire, 65-67; Lectr., Tehran, 67-68; ASSOC. PROF., New Hampshire, 68-70; WELFARE ECON., BRANDEIS, 70- Consult. U.S. Soc. Security Admin., 67; U.S. Senate Spec. Cmt. Aging, 69-70; Am. Asn. Retired Persons, 69- U.S.N., 58-61, Lt.(jg). Econ. Asn.; Geront. Soc. Public finance; social welfare; economics of aging. Publ: The economic status of the aged in 1980, Soc. Security Admin., 68; Private pensions—their effects on the economics of aging, U.S. Senate Spec. Cmt. Aging, 70; A dynamic social security system for the U.S., Int. Soc. Security Rev., 70. Address: Florence Heller Graduate School, Brandeis University, Waltham, Mass. 02154.
- SCHULZ, DR. PETER, b. Berlin, Germany, Dec. 16, 35; U.S. citizen; m. 62; c. 2. GEOGRAPHY. M. Shippensburg State Col., 63; M.A., Illinois State, 66; Ph.D. (geog.), Illinois, 70. ASST. PROF. GEOG., CINCINNATI, 70. U.S.A.F., 58-62. Asn. Am. Geog. Soc. Photogram. Political and urban geography; viability studies; central and eastern Europe; remote sensing of the environment. Address: Dept. of Geography, University of Cincinnati, Cincinnati, Ohio 45221.
- SCHULZ, RUSSEL E. b. Okemos, Mich., June 18, 29. EXPERIMENTAL PSYCHOLOGY. B.A., Mich. State, 56, M.A., 58. RES. SCIENTIST, HumRRO, 58- U.S.A., 49-52, S/Sgt. Asn. Aviation Psychol. Military training psychology; task analysis; human factors research. Publ: Co-auth. A preliminary investigation of techniques for constructing a training war game model which minimizes the time needed for umpire functions, *HumRRO*, 12/61. Job activities and training for selected aviation maintenance personnel, Appendix I, In: Board of Inquiry report on the army logistics system, HumRRO Consult. Report, 5/66; The effect of time on spontaneous alteration in the rat, *J. Genet. Psychol.*, 89: 11-25. Address: 1112 Holiday Lane, Ozark, Ala. 36360.
- SCHULZE, DR. ROLF HEINZ KURT. Sociology. See L-Z Vol, 11th ed, Soc. & Behav. Vols. New position & address: Asst. prof., 69-, Dept. of Sociology, San Diego State College, San Diego, Calif. 92115.
- SCHUMAIER, DR. C. P (ETER). Agricultural Economics. See L-Z Vol, 11th ed, Soc. & Behav. Vols. New position & address: Transportation economist, 70-, Office of the Secretary, U.S. Dept. of Transportation, Washington, D.C. 20590.
- SCHUPACK, PROF. MARK B (ARRY). Economics. See L-Z Vol, 11th ed, Soc. & Behav. Vols. New information: Asst. chmn., 69-, Dept. of Economics, Brown University, Providence, R.I. 02912.
- SCHUPPER, DR. FABIAN X (ERKES). Psychology. See L-Z Vol, 11th ed, Soc. & Behav. Vols. New position: Chief psychologist, 70-, Roosevelt Hospital, 428 W. 58th St, New York, N.Y. 10019.
- SCHURMAN, DR. DONALD L. b. Big Spring, Tex., June 16, 38; div. c. 4. PSYCHOLOGY. A.B., Texas, Arlington, 65; Nat. Defense Ed. Act fel., Illinois, 65-68; Ph.D. (psychol), 70. ASST. PROF. PSYCHOL., EMORY, 69. Perception and psychophysics, especially visual processes and behavioral effects of intense magnetic fields. Publ: Co-auth. Choice reaction time as a function of response uncertainty, stimulus uncertainty, and behavioral hypotheses, 67 & Masking phenomena and time-intensity reciprocity for form, 68, *J. Exp. Psychol.*; Summation and interaction of successive and simultaneous stimuli in visual perception, *Am. J. Psychol.*, 69. Address: Dept. of Psychology, Emory University, Atlanta, Ga. 30322.
- SCHUSTER, DEAN LOUIS HOWARD. b. West Haven, Conn., July 25, 09; m. 42; c. 2. BUSINESS ADMINISTRATION, MANAGEMENT. B.S., Ohio State, 33, M.B.A., 40, South. Fels. award & Ph.D. (mgmt. bus. ed.), 56. Instr. econ., Livingston Col., 34-37; teacher, high sch., Ohio, 37-40; instr. bus. admin., Va. State Col., 40-58; assoc. prof. bus. admin. & chmn. div. bus., 50-58; prof. & dir. div. bus., Tennessee State, 58-63; prof. bus. admin., Ghana, 63-64; N.Y. Univ. at Univ. Lagos, 64-66; DEAN FACULTY, MATTATUCK COMMUNITY COL., 67- Small Bus. Admin. res. grant, 62-63; Ford Found. fel., Indiana, 63; Ford Found. summer fel., 62. Consult., Agency Int. Develop., U.S. Dept. State & N.Y. Univ. Nigerian Proj., 64. Mem., President's Cmt. Export Expansion, 64. Econ. Asn. Case studies research of black businesses; problems involving urban black business groups. Publ: Business enterprises of Negroes in Tennessee, Small Bus. Admin., 64. Address: Mattatuck Community College, 405 Highland Ave, Waterbury, Conn. 06708.
- SCHUTZ, DR. ROBERT R (UDOLPH). Economics. See L-Z Vol, 11th ed, Soc. & Behav. Vols. New position: Ed-in-chief, Annual Reviews, Inc., 69- Address: 3587 La Mata Way, Palo Alto, Calif. 94306.
- SCHVANEVELDT, DR. ROGER W (AYNE). b. Logan, Utah, Apr. 11, 41; m. 59; c. 1. EXPERIMENTAL PSYCHOLOGY. B.A. & Nat. Ints. Health fel., Utah, 63; M.S., Wisconsin, 65, Ph.D. (psychol), 67. ASST. PROF. PSYCHOL., STATE UNIV. N.Y. STONY BROOK, 67- Summers, State Univ. N.Y. faculty fel., 68 & 69; grant-in-aid, 69-70. Psychol. Asn. Human information processing; perception of meaning; simultaneous task performance; information coding. Address: Dept. of Psychology, State University of New York at Stony Brook, Stony Brook, N.Y. 11790.

- SCHWAB, DR. PETER, b. New York, N.Y., Nov. 15, 40. POLITICAL SCIENCE. B.A. Fairleigh Dickinson, 62; M.A. New Sch. Soc. Res., 66, Ph.D. (polit. sci.), 69. Vol. Peace Corps, Liberia, W. Africa, 62-64; instr. hist. Fairleigh Dickinson, 64-66; ASST. PROF. POLIT. SCI., ADELPHI, 66- New Sch. Soc. Res. scholar, 66; adj. asst. prof. col. center, State Univ., N.Y., 69-; summers, Fulbright-Hays grant, Africa, 67; humanities grant, Adelphi, 68. African Studies Assn. Analyzing the political system in Ethiopia; study of Greece under the present military junta; Gambian politics. Publ: The Ethiopian Tax Structure, 2/68 & Selected bibliography on Ethiopia: politics and economics, 10/69, E. Africa J.; The agricultural income tax and the changing role of parliament in Ethiopia, Geneva-Africa, Vol. VIII, No. 1. Address: Dept. of Political Science, Adelphi University, Garden City, N.Y. 11530.
- SCHWARTZ, BELLA. Economics. See L-Z Vol, 11th ed, Soc. & Behav. Vols. New information: No longer with U.S. Dept. Labor. Address: 2222 Eye St. N.W., Apt. 601, Washington, D.C. 20037.
- SCHWARTZ, DR. CAROL HALPERT, b. New York, N.Y., Apr. 15, 39; m. 58; c. 3. ECONOMICS. B.A., N.Y. Univ.; grad. Ph.D. (econ), Columbia, 63. Res. asst. Nat. Bur. Econ. Res., 60-62; LECTR. ECON., Brooklyn Coll., 63-69; HOFSTRA, 70. Econ. Assn. Econ. Hist. Assn.; Bus. Hist. Soc. Economic history; retail trade; consumer economics. Publ: Benjamin Rushmore, store-keeper, Babylon, N.Y., 1814-1819, J. L. Hist., fall 64. Address: 572 Patterson St., East Meadow, N.Y. 11554.
- SCHWARTZ, PROF. DAVID J. JR., b. Berne, Ind., Mar. 23, 27; m. 50; c. 1. MARKETING, MANAGEMENT. B.S. Nebraska, 49; M.A., Ohio State, 49, Ph.D. (bus.), 53. Instr. BUS. Miss. State, 49-51; Ohio State, 51-53; asst. prof., Wayne State, 53-56; assoc. prof., GEORGIA STATE, 56-59, PROF., 59- Co-dir., Suprvy. Mgt. Seminar; mem., Uniform Consumer Credit Code Study Cmt., Ga. Publ: The magic of thinking big, 59 & The magic of psychic power, 65, Prentice-Hall; co-auth., American business: an introduction, Harcourt, 1st ed. 64, 2nd ed. 70. Address: Dept. of Business, Georgia State University, 33 Gilmer St. S.E., Atlanta, Ga. 30303.
- SCHWARTZ, DR. EDWARD. Psychology. See L-Z Vol, 11th ed, Soc. & Behav. Vols. New position: Dir. res. reports staff, 69-, National Center for Health Services Research & Development, 4040 N. Fairfax Dr., Arlington, Va. 22203.
- SCHWARTZ, DR. FRED. Clinical & Experimental Psychology. See L-Z Vol, 11th ed, Soc. & Behav. Vols. New position: Head sect. psychol. div. psychiat., Montefiore Hosp. & Med. Center, New York, 68. Address: 1 Fawn Lane, Suffern, N.Y. 10901.
- SCHWARTZ, DR. HARRY (SWETCHER). Economics. See L-Z Vol, 11th ed, Soc. & Behav. Vols. New position: V-pres. & economist, Fed. Nat. Mortgage Assn., Wash. D.C., 69- Address: 8309 Loring Dr., Bethesda, Md. 20034.
- SCHWARTZ, DR. LEONARD (JULES). Psychology. See L-Z Vol, 11th ed, Soc. & Behav. Vols. New information: Dir. Inst. Sensitivity Training & Ed. Prog., 68-; consult., New York City Bd. Ed., 69-; consult., Wyandanch Coll. Center, 69- Address: 140 S. Windsor Ave., Brightwaters, N.Y. 11718.
- SCHWARTZ, SISTER M. CHRISTINA, I.H.M. Sociology. See CHRISTINA (SCHWARTZ), SISTER M., I.H.M., this Suppl.
- SCHWARTZ, DR. MILDRED (ANNE). Sociology. See L-Z Vol, 11th ed, Soc. & Behav. Vols. New position: Prof., 69-, Dept. of Sociology, University of Illinois at Chicago Circle, Chicago, Ill. 60680.
- SCHWARTZ, DR. MORTON, b. New York, N.Y., May 12, 31; m. 60; c. 2. POLITICAL SCIENCE. B.A. City Coll. New York, 52; M.A. Columbia, 54; Ph.D. (polit. sci.), 63. Lectr. POLIT. SCI., Columbia, 61-62; ASST. PROF., CALIFORNIA, RIVERSIDE, 63- Am. Phil. Soc. res. grant, 67. Polit. Sci. Assn.; Int. Studies Assn.; Assn. Adv. Slavic Studies. Soviet foreign policy perceptions; comparative communist political systems with focus on Czechoslovakia. Publ: The 1964 presidential elections—through soviet eyes, West. Polit. Quart., 12/66; Czechoslovakia: toward one-party pluralism, Probs. of Communism, 1-2/67. Address: Dept. of Political Science, University of California, Riverside, Calif. 92502.
- SCHWARTZ, DR. RALPH (JEROME). Speech Pathology, Audiology. See 11th ed, Phys. & Biol. Vols. & Suppl. V.
- SCHWARTZ, DR. RONALD (MORTON), b. Philadelphia, Pa., Dec. 19, 35; m. 58; c. 2. PSYCHOLOGY. A.B. Temple, 57; Ph.D. (psychol.), N.Y. Univ., 64. Instr. psychol. soc. commerce, N.Y. Univ., 60-63; proj. dir., indust. serv. Sci. Res. Assn., 63-65; staff consult., indust. div., Psychol. Corp., 65-69; V-PRES. KENDALL BOWERS & SCHWARTZ, INC., 69-; adj. asst. prof., N.Y. Univ., 68-69; lectr., Baruch Coll., City Univ. New York, 66- Psychol. Assn. Industrial and personnel psychology; employee attitudes and morale; executive selection, training and development. Publ: Psychological testing, In: Funk and Wagnall's standard reference encyclopedia, Standard Reference Library, 69. Address: 85 East End, New York, N.Y. 10028.
- SCHWARTZMAN, PROF. DAVID. Economics. See L-Z Vol, 11th ed, Soc. & Behav. Vols. New information: Part-time prof. community health & environ. med. State Univ., N.Y. Downstate Med. Center, 69- Address: 285 Central Park W., New York, N.Y. 10024.
- SCHWARZ, PROF. HENRY (GUENTER). Political Science. See L-Z Vol, 11th ed, Soc. & Behav. Vols. New position & address: Prof., 69-, Dept. of Political Science, Western Washington State College, Bellingham, Wash. 98225.
- SCHWEITZER, DR. STUART O., b. Cleveland, Ohio, Dec. 27, 37; m. 66; c. 2. ECONOMICS. B.S., California, Los Angeles, 61; M.A., Berkeley, 64, Ph.D. (econ), 66. Asst. prof. econ., Wayne State, 66-69; MEM. RES. STAFF, URBAN INST., 69- Econ. Assn.; Indust. Res. Res. Labor market analysis. Publ: New evidence on problems of reemployment, Monthly Labor Rev., 8/67; Factors determining the interindustry structure of wages, Indust. & Labor Reels. Rev., 1/69. Address: Urban Institute, 2100 M St. N.W., Washington, D.C. 20037.
- SCHWENGER, ROBERT B(EE), b. Ft. Wayne, Ind., Feb. 27, 06; m. 34; c. 4. ECONOMICS, INTERNATIONAL RELATIONS. B.A., Wisconsin, 28, tel. 28-30; fel. Geneva, 30-32; fel. Chicago, 32-33. Economist, for agr. serv., U.S. Dept. Agr., 34-60; dir. div. for econ. policy & spec. asst. to Asst. Secy. Int. Affairs, U.S. Dept. Labor, 60-66; RES. & WRITING, 67- Prof., Inst. Int. Econ. Studies, Stockholm, 64-65. Secy. Labor Career Serv. Award, 64. Econ. Assn.; Agr. Econ. Assn. Changing intergovernmental trade discussion from an adversary process based on static nationalist postures to a cooperative process for facilitating the growth of the integrating world economy. Publ: International trade policy for a world growth economy, Giovanni Agnelli Found., Turin, Italy, 69; World agricultural policies and the expansion of trade, 2/45 & New concepts and methods in foreign trade negotiation, 12/69, J. Agr. Econ. Address: 4016 Dresden St., Kensington, Md. 20795.
- SCHWERTFEGER, DR. MARY JANE, b. Norfolk, Nebr., July 16, 21. EDUCATIONAL PSYCHOLOGY. B.A., Iowa State Coll., 48; M.A., Iowa, 52; Ph.D. (ed.), Michigan, 60. Teacher preschool, Stephens Coll., 48-50; Iowa Child Welfare Res. Sta., 52-56; disturbed preschool, Children's Psychiat. Hosp., UNIV. MICHIGAN, 57, preschool, univ. sch., 58-61; asst. prof. ED. SCH. ED., 61-65, ASSOC. PROF., 66- Nat. Inst. Ment. Health res. fel., 60-61; co-dir., Nat. Inst. Ment. Health Prof., 67-71. Ed. consult., Hawthorn Center, Northville, Mich., 61; Mott Child Health Center, Flint, 69-70. Soc. Res. Child Development; Psychol. Assn. Processes and impact of training teachers of young emotionally disturbed children; developmental and perceptual aspects of self identity in the child. Publ: Co-auth., The benefits of preschool intervention, Mich. Ed. J., 11/67; The training of teachers of disturbed preschool children, In: Interim report, Nat. Inst. Ment. Health, 67; The training and research evaluation of teachers of disturbed preschool children, In: Selected readings, CAC Except. Children, 69. Address: 6 Parkview Place, Ann Arbor, Mich. 48103.
- SCHWIRIAN, DR. KENT P. Sociology. See L-Z Vol, 11th ed, Soc. & Behav. Vols. New position: Prof., 69-, Dept. of Sociology, Ohio State University, Columbus, Ohio 43210.
- SCHWITZGEBEL, DR. RALPH K. Psychology, Law. See L-Z Vol, 11th ed, Soc. & Behav. Vols. Change of address: 5 Pelham Rd., Waltham, Mass. 02154.
- SCHWITZGEBEL, DR. ROBERT L. Psychology. See L-Z Vol, 11th ed, Soc. & Behav. Vols. New position & address: Vis. assoc. prof., Dept. of Psychology, Claremont Graduate School, Claremont, Calif. 91711.
- SCLOVE, DR. STANLEY LOUIS, b. Charleston, W.Va., Nov. 25, 40; m. 62. STATISTICS. A.B., Dartmouth Coll., 62, univ. fel. 62-63; univ. fel. Columbia, 64-65; N.Y. State Bar, fel. 65-66, Ph.D. (math. statist.), 67T. Summer math. statistician, lab. med. & biol. sci. div., air pollution, Air Center, U.S. Pub. Health Serv., Ohio, 62, 63, 64; summer consult., Dr. Robert Wolf, Mt. Sinai Hosp., N.Y., 65; res. assoc. STATIST., Stanford, 66-68; ASST. PROF., CARNEGIE-MELLON UNIV., 68- Sarah Mellon Scame Found. grant, 68-69. Consult., Evans Res. & Develop. Corp., N.Y., summer 65; Alcoa Res. Labs., Pa. 69. AAAS; Statist. Assn.; Inst. Math. Statist. Regression and multivariate statistical analysis. Publ: Improved estimators for coefficients in linear regression, J. Am. Statist. Assn., 68; co-auth., Estimating the parameters of a convolution, 69 & Estimating the parameters of a linear function of a random variable, 70, J. Royal Statist. Soc. Address: Dept. of Statistics, Carnegie-Mellon University, Pittsburgh, Pa. 15213.
- SCOLLON, PROF. ROBERT (WILLIAM). Psychology. See L-Z Vol, 11th ed, Soc. & Behav. Vols. New position: Prof., Gannon Coll., 70- Address: 3217 Pine Tree Terr., Erie, Pa. 16506.
- SCOLNICK, ADOLPH. Statistics, Economics. See L-Z Vol, 11th ed, Soc. & Behav. Vols. Change of address: 236 Gold Kettle Dr., Gaithersburg, Md. 20760.
- SCOTT, PROF. ALAN, b. Marietta, Ohio, Nov. 21, 12; m. 40; c. 2. PUBLIC RELATIONS. A.B. & B.J. Missouri, 34, M.A., 38; D.Ed., Texas, 55. Ed. Exchange Mag. Calif., 39-41; asst. prof. journalism, California, 41-42; writer & ed. overseas radio div., Off. War Info. Calif., & N.Y., 42-45; asst. prof. JOURNALISM, Mich. State, 45-49; PROF. TEXAS, AUSTIN, 49- South-west inst., Dudley-Anderson-Yutzy Pub. Reels, N.Y., 55-; coordinator pub. info, Int. Cancer Cong., 69-70. Pub. Reels. Soc. Assn.; Assn. Ed. Journalism. Education for public relations; curriculum content and preparation for profession. Publ: Co-auth., Contemporary public relations, Prentice-Hall, 55; auth., Secondary school journalism: current trends and practices, Univ. Texas, 56. Address: School of Communication, University of Texas, Austin, Tex. 78712.
- SCOTT, DR. BASIL Y., b. Barbados, B.W.I., Jan. 18, 25; U.S. citizen; m. 50; c. 2. ECONOMICS, PUBLIC ADMINISTRATION. B.A., City Coll. New York, 48; M.A., Columbia, 49; M.B.A., Siena Coll., 52; D.P.A., Syracuse, 62. Jr. actuary, New York City Employees Retirement Syst., 49-50; jr. statistician, N.Y. Tax Dept., 50-52, sr. statistician, 52-56, sr. res. analyst, 56-59, assoc. res. analyst, 59-60; dir., motor vehicle safety res. N.Y. DEPT. MOTOR VEHICLES, 60-64, admin. officer, 64-66, dir. prog. develop. 66-69, DEP. ADMIN. DIR., 69- Lectr., Siena Coll., 59-66; adj. prof., Grad. Sch. Pub. Affairs, 62-64; lectr. State Univ. N.Y. Albany, 68- Statist. & comput. consult., Albany Med. Coll., 59-61; mem., Nat. Hwy. Safety Adv. Coun., 69- Hwy. Safety Award, N.Y. Optim. Assn., 68. Sig. C.U.S.A., 43-46. Soc. Pub. Admin.; Polit. Sci. Assn.; Admin. Mgt. Soc. Tax research, highway safety, motor vehicle administration. Publ: Co-auth., Final report on effect of group sessions in changing driver attitudes, Dept. Motor Vehicles, 3/68 & Driver licensing and vision re-examination in New York State, Traffic Digest & Rev., 8/68; auth., Present and future traffic accident records system in New York State's efforts to comply with federal standards, Safety, summer/fall 68. Address: Box 46, Elliot Rd., East Greenbush, N.Y. 12061.

- SCOTT, DR. DAVIS (ANTHONY), b. Mendoza, Ill, July 7, 28; m. 51; c. 3. SPEECH PATHOLOGY, AUDIOLOGY. A.B. Grinnell Coll, 50; A.M. Indiana, 53; U.S. Off. Ed. fel, 65-66; Ph.D. (speech path, audiol), 67. Staff clinician, Indiana, 51-53; speech consult, Iowa State Teachers Col, 53-54; therapist, pub. schs, Iowa, 54-56; supvr. speech & hearing, Ky. Crippled Children Cmn, 56-58; instr. speech path, Indiana, 58-66; PROF. & DIR. SPEECH PATH. & AUDIOL, MOORHEAD STATE COL, 66. Speech & Hearing Assn. (cert. clin. competence, 52); Speech Assn. Am; Alex Graham Bell Assn. for Deaf; Cleft Palate Assn. Effects of unsensory and bimensory stimuli upon imitative speech behavior and upon auditory discrimination; public address in Indiana in the 1800's. Address: Dept. of Speech, Moorhead State College, Moorhead, Minn. 56560.
- SCOTT, PROF. FRANK A. (LEXANDER). Educational Psychology. See L-Z Vol, 11th ed, Soc. & Behav. Vols. New information: Also chmn, 69-, Dept. of Psychology, Radford College, Box 777, Radford, Va. 24141.
- SCOTT, DR. GUY. Psychology. See L-Z Vol, 11th ed, Soc. & Behav. Vols. New position & address: Chief psychologist, 69-, Tulare Co. Mental Health Services, 1830 S. Mooney, Visalia, Calif. 93277.
- SCOTT, DR. JAMES CAMPBELL. Political Science. See L-Z Vol, 11th ed, Soc. & Behav. Vols. New position: Assoc. prof, polit. sci, Wisconsin, Madison. Address: 2440 Commonwealth Ave, Madison, Wis. 53711.
- SCOTT, PROF. JOHN C. (ARVER), JR. Sociology. See L-Z Vol, 11th ed, Soc. & Behav. Vols. New information: On leave from American Univ. as dir. social & soc. psychol. prof, 70-, National Science Foundation, 1800 G St. N.W., Washington, D.C. 20550.
- SCOTT, DR. JOHN FOLEY. Personnel Psychology. See L-Z Vol, 11th ed, Soc. & Behav. Vols. New position: Chief gen. personnel policies sect, U.S. Civil Serv. Cmn, 69- Address: 7200 Exdair Rd, Bethesda, Md. 20014.
- SCOTT, DR. PETER DALE. English, Political Science. See 5th ed, Dir. Am. Scholars, Vol. II, Eng, Speech & Drama.
- SCOTT, DR. RICHARD CONROE, b. Waco, Tex, July 20, 34; m. 60; c. 2. MANAGEMENT. B.B.A. Baylor, 56; M.B.A. 65; D.B.A. Indiana, 68. ASSOC. PROF. MGT. DAYTON, 68. Consult, Word Records, Inc. 65; Off. Econ. Opportunity, 66; Gen. Dynamics Corp. & Advert. Mkt. Assocs, 69. U.S.N. 56-59, Res. 59-, Lt. Comdr. Acad. Mgt. Organization theory; organization behavior. Address: Hankamer School of Business, Baylor University, Waco, Tex. 76703.
- SCOTT, DR. TAYLOR CARVER, JR., b. Brandon, Fla. Dec. 30, 20; m. 47; c. 2. SOCIOLOGY. B.A. Florida, 47; M.A. 49; Ph.D. (sociol), Maryland, 67. Asst. social, Florida, 48-49; asst. prof. Ga. South. Col, 49-52; asst. Maryland, 52-53; instr. overseas div, 53-54, res. asst. & part-time instr. sociol, 54-66; asst. prof. sociol. & head dept, Greensboro Col, 56-64; Centre Col, 64-66; asst. prof. sociol, 66-67. ASSOC. PROF. SOCIOL. & HEAD DEPT. SOCIOL. & ANTHROP. GA. SOUTH. COL, 67-. Participant, Nat. Sci. Found. Inst. Anthropol. summer 62. U.S.A.A.F. 42-46, Capt. Sociol. Assn.; Geront. Soc. Social gerontology; social change; community social structure and change in a small Georgia town. Publ. Co-auth, Fact book on Maryland's aging People, Agr. Exp. Sta. 56 & Social change in a Georgia town 49-67. Marvin Pittman essays, 69; auth. Review and evaluation of major sociological theories of aging, Ohio Valley Sociologists, 67. Address: Dept. of Sociology, Georgia Southern College, Statesboro, Ga. 30458.
- SCOTTON, PROF. DONALD W. b. Cheney's Grove Twp, Ill, Nov. 22, 19; m. 46; c. 3. BUSINESS ADMINISTRATION. B.S. Illinois, Urbana, 48; M.S. 50, Ph.D. (econ), 52. Transit teller, Continental Ill. Nat. Bank, Chicago, 37-41; mgt. trainee, Montgomery Ward & Co, 48; instr. mkt. Illinois, Urbana, 49-52, assoc. prof, 52-64, dir. & prof. correspondence study, 64-68; asst. prof. mkt. Detroit, 57-64; dir. res. E.F. MacDonald Co, Ohio, 54-55, mgr. res. methods & sysys, Top Value Enterprises, 55-57; PROF. BUS. ADMIN. & CHMN. DEPT. CLEVELAND STATE, 68-. U.S.N.R. 41-45. Mkt. Assn. Adult Ed. Assn. U.S. Inst. Decision Sci. Acad. Mgt. Address: Dept. of Business Administration, Cleveland State University, Cleveland, Ohio 44115.
- SCOVILLE, DR. JAMES GRIFFIN. Economics. See L-Z Vol, 11th ed, Soc. & Behav. Vols. New position & address: Assoc. prof, 69-, Institute of Labor & Industrial Relations, University of Illinois, 504 E. Armory Ave, Champaign, Ill. 61820.
- SCROGGS, DR. JAMES RUDOLPH, b. Baltimore, Md, Nov. 22, 31; m. 55; c. 2. ABNORMAL & SOCIAL PSYCHOLOGY. A.B. Northeastern, 55; B.D. Harvard, 58; Ph.D. (psychol. & pastoral counseling), Boston, 61. Prof. PSYCHOL. Chandler Sch. Women, 63-67; ASST. PROF. BRIDGEWATER STATE COL, 67. Psychol. Assn. Empathy: aesthetic and interpersonal; religious and ideological conversion; sensitivity training; interracial T-groups; rehabilitation of adult mental retardates. Address: Dept. of Psychology, Bridgewater State College, Bridgewater, Mass. 02324.
- SEARS, DR. ROBERT LISTON, b. Sasser, Ga, Oct. 3, 34. EDUCATIONAL PSYCHOLOGY. B.S. Ga. South. Col, 56; M.A. Georgia, 57, Ed.D. (ed. psychol), 67. Teacher & coach, Savannah Country Day Sch, Ga, 60-61; asst. training dir. Union-Camp Corp, 61-65; asst. prof. ed. psychol, Ga. Col, 67-69; ASSOC. PROF. ED. PSYCHOL. & DIR. FT. BENNING CENTER, COLUMBUS COL, 69-. Intel. C. U.S.A. 57-60. Psychol. Assn. Teaching human learning and tests and measurement. Address: P.O. Box 6311, Columbus College, Columbus, Ga. 31907.
- SEATON, DR. RICHARD W. (ALLACE). Social Psychology. See L-Z Vol, 11th ed, Soc. & Behav. Vols. New position & address: Assoc. prof. archt. environ. psychology, Office of Academic Planning, University of British Columbia, Vancouver 8, B.C., Can.
- SEAWALL, PROF. FRANK. Geography. See L-Z Vol, 11th ed, Soc. & Behav. Vols. New position & address: Prof, 69-, Dept. of Geography, Chico State College, Chico, Calif. 95926.
- SEBOR, PROF. MILOS M. Geography, City Planning. See L-Z Vol, 11th ed, Soc. & Behav. Vols. New information: Also dir. planning prog, 68-, Graduate School, Eastern Kentucky University, Richmond, Ky. 40475.
- SEBUKTEKIN, DR. HIKMET I. Applied Linguistics, Turkish. See 5th ed, Dir. Am. Scholars, Vol. III, For. Lang, Ling. & Philol.
- SECHZER, DR. JERI ALTNEU. Physiological Psychology, Neuroanatomy. See Suppl. VI to 11th ed, Phys. & Biol. Vols.
- SECOR, DEAN PHILIP B. b. Mt. Kisco, N.Y. Dec. 12, 31; m. 55; c. 3. POLITICAL SCIENCE. A.B. Drew, 53; James B. Duke U. 57-58; M.A. 58, Ph.D. (polit. sci), 59. Participant exec. sect, Lilly Endowment Res. Prog. Christianity & Politics, Duke, 58-59; instr. polit. sci, Dickinson Col, 59-60, asst. prof, 61-64, asst. dean col, 62; asst. prof. polit. sci, Davidson Col, 63-65, assoc. prof, 65-67; ASSOC. PROF. POLIT. SCI. & DEAN COL., MULHENSENBERG COL, 67-. Lectr. Piedmont Univ. Center, 66-67. Mem. Cmn. on Man, Med. & Theol., Lutheran Church in Am, 68. Med. C. U.S.A. 53-55. Polit. Sci. Assn.; Assn. Adv. Slavic Studies. Political theory: Soviet politics. Publ. Co-auth, The North Carolina Speaker ban law, Ky. Law J. Vol. 55, No. 2 & Crime and punishment in Soviet Russia, In: Muhlenberg essays, Keller, 68; Academic freedom in political context, In: Law and Justice, Duke Univ, 70. Address: Muhlenberg College, Allentown, Pa. 18104.
- SEDRANSKY, DR. JOSEPH H. (HENRY). Statistics. See L-Z Vol, 11th ed, Soc. & Behav. Vols. New position & address: Assoc. prof, 69-, Dept. of Statistics, University of Wisconsin, 1210 W. Dayton St, Madison, Wis. 53706.
- SEEGARS, DR. JAMES EDWARD, JR. b. Charleston, S.C., Mar. 3, 31; m. c. 7. PSYCHOLOGY. A.B. The Citadel, 53, B.S. 55, Florida, 56-57; M.A. South Carolina, 59; Ph.D. Kentucky, 67. Counsr. Domestic Reels. & Juvenile Court, Charleston, S.C. 55; instr. psychol. South Carolina, 57-59; psychologist, counseling center, Univ. Kentucky, 59-63; ASSOC. PROF. PSYCHOL. CHMN. DEPT. & DIR. INSTNL. RES. CENTER, WOFFORD COL, 67-. Clin. intern. S.C. State Hosp. 57-58. Psychologist, Lexington Child Guidance Clin. & res. psychologist, Vet. Admin. Hosp. Ky, 59-63. Intel. C. U.S.A.F. 53-55. Address: Dept. of Psychology, Wofford College, Spartanburg, S.C. 29301.
- SEELEY, DR. BURTON D. (AVIS). Economics. See L-Z Vol, 11th ed, Soc. & Behav. Vols. Change of address: Western Michigan University, Kalamazoo, Mich. 49001.
- SEELEY, JOHN R. (ONALD). Sociology. See L-Z Vol, 11th ed, Soc. & Behav. Vols. New information: Independent consult, author & lectr, 69- Address: 8352 Vereda del Padre, Goleta, Calif. 93017.
- SEELYE, DR. ALFRED L. (E). Marketing. See L-Z Vol, 11th ed, Soc. & Behav. Vols. New position & address: Pres. & chmn. bd, 69-, Wolverine World Wide, Inc, 9341 Courtland Rd, Rockford, Mich. 49341.
- SEELYE, DR. BARBARA JANE, b. Peoria, Ill, Nov. 29, 30. SPEECH PATHOLOGY, COMMUNICATION THEORY. B.S. Durek Col, 52; univ. fel. & M.A. Denver, 55, univ. fel. & Ph.D. (speech path), 57. Teacher, Delavan Unit Schs, Ill, 52-55 & Forma Unit Schs, Manitowish, Ill, 56-57; teacher & exec. asst. mentally retarded diagnostics, Children's Speech Clin, Univ. Denver, 55-56; asst. speech correction ment. retarded, Washington (St. Louis), 57; instr. child psychiat, child eval. clin. sch. med, 58; instr. speech, ST. LOUIS, 59-61, dir. speech, clin. 61-63, asst. prof. speech, 63-67, ASSOC. PROF. SPEECH & CHMN. DEPT. COMMUN. DISORDERS, 67-. Consult, State Dept. Maternal & Child Health, Proj. Headstart, Mo. Sch. for Blind; Hope Lutheran Spec. Schs, Child Develop. Clin; Inter-dept. Adv. Cmt. on Spec. Ed, State Dept. Ed, Adv. Cmt. Title VI, Elem. & Sec. Ed. Act. Speech & Hearing Assn. Language problems of the community mentally retarded; executive-manage-ment training; communication theory and clinical application. Publ. Co-auth, Factors associated with parental reaction to a clinic for mentally retarded children, Am. J. Ment. Deficiency, 61. Address: Dept. of Communication Disorders, St. Louis University, 15 N. Grand Blvd, St. Louis, Mo. 63103.
- SEEVERS, DR. GARY LEONARD, b. Jonesville, Mich, May 24, 37; m. 57; c. 4. AGRICULTURAL ECONOMICS. B.S. Mich. State, 59, M.S. 66, Ph.D. (agr. econ), 68. County exten. agent, Mich. State, 59-64; ASST. PROF. AGR. ECON, OREGON STATE, 68- Assoc. dir, Nat. 4-H Club Found, 62-63. Economet. Soc.; Econ. Assn.; Agr. Econ. Assn. Policy analysis relative to United States agriculture; international trade and foreign economic assistance. Publ. Evalution of the disinventive effect caused by P.L. 480, 8/68 & Cost of food aid to recipient countries, 12/69, Am. J. Agr. Econ. Address: Dept. of Agricultural Economics, Oregon State University, Corvallis, Ore. 97331.
- SEGAL, DR. AARON. Political Science. See L-Z Vol, 11th ed, Soc. & Behav. Vols. New position & address: Ed, 69-, Africa Report Magazine, Room 505, 866 United Nations Plaza, New York, N.Y. 10017.
- SEGAL, DR. BERNARD, b. New York, N.Y., May 9, 36; m. 62; c. 2. CLINICAL PSYCHOLOGY. B.B.A. City Col, New York, 60, M.S.E. 63; Nat. Inst. Ment. Health trainee, Oklahoma, 64-65, Ph.D. (psychol), 67. Statistician, N.Y. State Dept. Hyg. & Columbia Univ, 60-62; intern psychol. & res. asst. div. psychiat, Montefiore Hosp, Bronx, N.Y. 62-63; res. asst. exp. therapeut. dept. med. & dept. psychiat, neurol. & behav. sci, med. center, Univ. Oklahoma & Cent. State Hosp, Norman, Okla, 63-64; psychol. trainee, Cerebral Palsy Center, Norman, 64-65; psychol. unit, dept. welfare, Oklahoma City, 65; intern PSYCHOL, dept. psychiat, neurol. & behav. sci, med. center, Univ. Oklahoma, 65-66, clin. asst, 66-67; ASST. PROF. PSYCHOL., RHODE ISLAND, 67-, consult, student health center, 67-68. Psychol. counsr. Psychiat. Treatment Center, New York, 62-63; psychol. trainee, intensive treatment unit, Cent. State Hosp, Norman, 63-64; coordinator, Interv. training, Dr. Joseph H. Ladd Sch, Exeter, R.I., 67-. Consult, Community Consult. Ser. Clin. Wakefield, R.I., 67-68. U.S.N. 60-62. A.A.S. Psychol. Assn. Am. Ment. Deficiency. Address: Dept. of Psychology, University of Rhode Island, Kingston, R.I. 02881.

- SEGAL, DR. BERNARD ELLIOT, b. Boston, Mass, Mar. 9, 34; m. 56; c. 2. SOCIOLOGY. B.A. Dartmouth Col, 55; Ph.D.(sociol.) Harvard, 60. Instr. SOCIOL. Goucher Col, 60-62; asst. prof., DARTMOUTH COL., 62-66. ASSOC. PROF. 66. Prin. investr. Nat. Inst. Ment. Health grant, 61; community health br. Nat. Inst. Health, 64-66, co-investr. accident prev. br. 66; consult. state grant, Nat. Inst. Ment. Health Suicide Prevention Cent., 68-69. Sociol. Assn. Medical sociology and social psychiatry; comparative sociology; racial and ethnic relations. Publ. Ed. Readings in racial and ethnic relations, Crowell, 66; auth. Epidemiology of emotional disturbance among college undergraduates, J. Nervous & Ment. Disorders, 66 & Dissatisfaction and desire for change among Chilean hospital workers, Am. J. Sociol., 69. Address: Dept. of Sociology, Dartmouth College, Hanover, N.H. 03755.
- SEGAL, DR. DAVID R(OBERT). Sociology. See L-Z Vol. 11th ed, Soc. & Behav. Vols. Change of address: 1329 Orkney Dr, Ann Arbor, Mich. 48103.
- SEGAL, DR. MORLEY, b. San Francisco, Dec. 17, 33; m. 54; c. 3. POLITICAL SCIENCE, PUBLIC ADMINISTRATION. A.B. San Francisco State Col, 57, M.A., 59; Ph.D.(polit. sci), Claremont Grad. Sch., 65. Asst. prof., polit. sci., Calif. State Col. Hayward, 63-66; Am. Polit. Sci. Assn. cong. fel., 66-67; assoc. prof. GOVT. & PUB. ADMIN., AMERICAN UNIV., 67-70. PROF., 70-Consult. urban govt. proj. Wash. Cent. Metrop. Studies & urban data serv., Int. City Mgr. Assn., 69. U.S.A.-54-56. Polit. Sci. Assn. Acad. Polit. Sci. The legislative process. Publ. Co-auth. Study guide and student research guide for American politics: a systems approach, Holt, spring, 69. The million dollar misunderstanding interim assistance in the District of Columbia, Wash. Cent. Metrop. Studies, 1970. The freedom of information act and political science research, Polit. Sci. Newsletter, fall 69. Address: 23 W. Cedar St, Alexandria, Va. 22301.
- SEGALMAN, DR. RALPH. Social Work, Sociology. See L-Z Vol. 11th ed, Soc. & Behav. Vols. New information: On leave from Univ. Tex. as vis. prof., 69-70, School of Social Work, University of Wisconsin, 1225 Observatory Dr, Madison, Wis. 53706.
- SEGEL, DR. RUTH SYDNEY, b. New York, N.Y. Nov. 19, 25; m. 50; c. 2. PSYCHOLOGY, SPEECH PATHOLOGY. B.A. Brooklyn Col., 46; M.A., 46; Western Reserve, 47; Ph.D.(speech path, psychol), Pittsburgh, 51. Instr. speech & psychol. & clin. supvr., Pittsburgh, 47-51; dir. speech clin, Childrens Hosp., Pittsburgh, Pa., 49-51; instr. speech path. & clin. supvr., Pa. State, 51-52; private practice, 52-60; asst. prof. PSYCHOL., SAN FERNANDO VALLEY STATE COL., 60-65, ASSOC. PROF., 65. Psychol. Assn; Speech & Hearing Assn. Dynamics of personality; methods of group and individual psychotherapy and counseling; human development; child psychology; exceptional child; psychological aspects of speech pathology. Address: Dept. of Psychology, San Fernando Valley State College, Northridge, Calif. 91324.
- SEGUIN, EDMOND L(OUIS), b. Philadelphia, Pa. Mar. 20, 33; m. 59; c. 5. PSYCHOLOGY. B.S. Pa. State, 61, M.Ed., 64. Res. asst. acad. res. Pa. State, 62-63; res. assoc. hwy. safety, Inst. Res., 63-64; res. psychologist, humetrics br., HRB-Singer Inc., 65-66, sr. res. psychologist, 66-67, staff psychologist & mgr. traffic sys., br. 67-68, dir. decision sci. lab, 68; V. PRES. & SR. RES. ASSOC. PSYCHOL. RES. INST. Res. 68; Mem. Nat. Acad. Sci.-Nat. Coop. Hwy. Res. Prog. Adv. Panel Cmt. 70, 69; mem. Hwy. Res. Bd. Nat. Acad. Sci.-Nat. Res. Coun. Consult. HRB-Singer Inc., 68-U.S.N., 52-56. AAAS; Psychomet. Soc; Inst. Traffic Eng. Human factors of highway safety and traffic flow; development and evaluation of programmed instructional materials; computer-assisted performance maintenance of image interpreter extraction skills. Publ. Co-auth. The relative effectiveness of earphones and loudspeakers as a means of presenting a listening test in a foreign language, Mod. Lang. J. Vol. 48, No. 6, Vehicle kinematics and gap acceptance, J. Appl. Psychol., Vol. 52, No. 4 & The effects of sight distance and controlled impedance on passing behavior, Hwy. Res. Record, 292. Address: Institute for Research, 257 S. Pugh St, State College, Pa. 16801.
- SEILER, DR. JOHN (ANDREW), b. Boston, Mass, Mar. 23, 27; m. 50; c. 2. ORGANIZATIONAL BEHAVIOR. A.B. Harvard, 50, M.B.A., 53, Ph.D.(orgn. behav.), 57. Fel. Human res. GRAD. SCH. BUS. ADMIN., HARVARD, 53-54, instr. gen. admin. 54-57, asst. prof. admin. practices, 57-63, ASSOC. PROF. ORGN. BEHAV. 62-ASST. DEAN M.B.A. PROG. 68- Assoc. Nat. Training Labs, Nat. Ed. Assn., 63- U.S.A.-A.F., 45-47. Sociol. Assn. Soc. Appl. Anthropol. Intergroup and small group behavior; organizational analysis and simulation; pedagogy. Publ. Co-auth. Organizational behavior and administration, 65 & auth. Systems analysis in organizational behavior, 67, Irwin; co-auth. chap. In: The changing college classroom, Jossey-Bass, 69. Address: 87 Lincoln Rd, Wayland, Mass. 01778.
- SEIM, CAPT. HARVEY BRYANT, U.S.N. (RET). Political Science. See L-Z Vol. 11th ed, Soc. & Behav. Vols. New position: Dir. nuclear planning, NATO International Staff, 69- Address: USNATO/IS, APO, New York 09667.
- SEKYRA, DR. FRANCIS, III, b. Chicago, Ill. July 2, 39; m. 65; c. 1. EDUCATIONAL & EXPERIMENTAL PSYCHOLOGY. B.S. Illinois, 61, M.A., Alabama, 63, Ph.D.(psychol), 68. Training specialist, Civil Serv. Cmn. City of Chicago, Ill. 63-64; instr. psychol. MISS. STATE, 64-67, asst. prof. psychol. & coordinator of instr. 67-68; ASSOC. PROF. PSYCHOL., 68- HEAD DEPT., 70-, acting head dept. 68-70. AAAS; Psychol. Assn. Intellectual development and assessment; behavior modification research; effects of industrial supervisory training programs; classical eyelid conditioning. Address: P.O. Box 2424, State College, Miss. 39762.
- SELDEN, PROF. RICHARD THOMAS, b. Pontiac, Mich. Mar. 31, 22; m. 53; c. 2. ECONOMICS. B.A. Chicago, 48, Julius Rosenberg scholar, 51-52, Ph.D.(econ), 54; M.A. Columbia, 49, Inst. bus. admin. Massachusetts, 49-50; asst. prof. econ. & bus. admin. Vanderbilt, 52-54, assoc. prof., 54-59; banking, Columbia, 59-62; prof. ECON. Cornell, 62-69; CARTER GLASS PROF. VIRGINIA, 69- Res. fel. Nat. Bur. Econ. Res. 58-59, mem. res. staff, 59- econ. staff, First Nat. City Bank, New York, 62-63; Guggenheim Mem. Found., fel. 64-65; Fulbright-Hays adv. res. scholar, Belgium, 65; Ford Found. faculty fel. Cornell, 68-69. Consult. bd. gov. Fed. Reserve,
- Syst. U.S.A.-A.F., 43-46, Sgt. Econ. Assn; Finance Assn. Theoretical and empirical studies of the demand for money, the nature of inflation during the 1950's, the markets for commercial paper and consumer installment credit, and the effectiveness of monetary policy in the United States and in Western Europe. Publ. Trends and cycles in the commercial paper market, Nat. Bur. Econ. Res. 63; Monetary velocity in the U.S. In: Studies in the quantity theory of money, Univ. Chicago, 56; Cost-push vs. demand-pull inflation, 1955-57, J. Polit. Econ., 59. Address: Dept. of Economics, University of Virginia, Charlottesville, Va. 22901.
- SELDIN, DR. MAURY. Business Administration, Urban Development. See L-Z Vol. 11th ed, Soc. & Behav. Vols. New position: Prof. real estate & urban develop. planning, 69-, School of Business Administration, American University, Washington, D.C. 20018.
- SELIGMAN, DR. BARNARD, b. Hartford, Conn, Aug. 17, 23; m. 64; c. 1. ECONOMICS. B.S. N.Y. Univ. 47, fel. 59-61, Ph.D.(econ), 62; M.A. Trinity Col.(Conn), 52. Investment analyst, Sun Life Ins. Co. Md., 56-57; budget exam., State of Conn., 57-59; asst. prof. banking & finance, N.Y. Univ., 61-65; finance & econ, Baruch Col., 65-68; ASSOC. PROF. FINANCE, PACE COL., 69- Found. Econ. Ed. bus. fel. 65; Am. Fedn. Teachers res. award, 66. U.S.A., 41-43, Sgt. Econ. Assn; Inst. Chartered Financial Anal.; Finance Assn; Nat. Assn. Bus. Econ. The influence of economic and financial variables on money and capital markets and security selection. Publ. The rejection of financial value in the U.S. and England, Econ. J. fall 63; Cost of living adjustment in annuities, J. Risk & Ins., 3/64; An explanation of indexes securities, South. J. Bus., 1/69. Address: Graduate School of Business, Pace College, 41 Park Row, New York, N.Y. 10038.
- SELINGER, DEAN CARL MARVIN. Law, Government. See Suppl. I to 5th ed, Dir. Am. Scholars.
- SELL, DR. KENNETH DANIEL, b. Littlestown, Pa. Apr. 29, 28; m. 49; c. 2. SOCIOLOGY. B.S. Ursinus Col., 50; dipl. Spanish, Sch. Lang. San Jose, Costa Rica, 58; M.Ed. Pa. State, 61; Ph.D.(sociol), Fla. State, 68. Instr. SOCIOL., FLA. STATE, 67-68; ASSOC. PROF. CATAWBA & LIVINGSTON COLS., 68- Prof. chmn. N.C. Family Life Coun., 69. Nimkoff Award, Fla. State Univ. 67. Sociol. Assn; Nat. Coun. Family Rels. The sociology of the family. Address: Dept. of Sociology, Catawba College, Salisbury, N.C. 28144.
- SELLIN, PROF. THORSTEN. Sociology. See L-Z Vol. 11th ed, Soc. & Behav. Vols. Change of address: Gilmanton, N.H. 03237.
- SELLS, PROF. SAUL B. Psychology. See L-Z Vol. 11th ed, Soc. & Behav. Vols. Change of address: 3850 Overton Park Dr. W. Fort Worth, Tex. 76109.
- SELTZER, NORMAN. Economics, Industrial Relations. See L-Z Vol. 11th ed, Soc. & Behav. Vols. Change of address: 1094 Larksprur Terr, Rockville, Md. 20850.
- SELTZER, DR. ROBERT JOEL, b. Hartford, Conn, June 21, 42; m. 65; c. 1. CHILD & DEVELOPMENTAL PSYCHOLOGY. A.B. Columbia, 64; Woodrow Wilson fel., Brown, 64-65, U.S. Pub. Health Serv. fel., 65-68, M.Sc., 66, Ph.D. (psychol), 68. ASST. PROF. PSYCHOL., INDIANA, BLOOMINGTON, 68- AAAS. Experimental psychology. Address: Dept. of Psychology, Indiana University, Bloomington, Ind. 47401.
- SEMLER, PROF. IRA (JACKSON), b. Martensdale, Iowa, Sept. 18, 22; m. 44; c. 3. PSYCHOLOGY. B.A. Iowa State Teachers Col., 49; M.A., Iowa, 53, Ph.D.(ed. psychol), 57. Asst. prof. psychol., Chico State Col., 57-58; child develop. Texas, 58-60; consult. psychol., Chicago Rapids Community Sch. Dist., Iowa, 60-62, dir. res. 62-67; vis. assoc. prof. PSYCHOL., Iowa, 67-68. PROF. & HEAD DEPT., NORTHERN IOWA, 68- Proj. dir., U.S. Dept. Health, Ed. & Welfare grant, 65. Sig.C. U.S.A., 42-45, U.S.A.F., 45, T/Sgt. Psychol. Assn; Soc. Res. Child Develop.; Interam. Soc. Psychol. Conceptual behavior in children; frustrative nonreward; research design. Publ. Co-auth. Concept interference and paired associates in retarded children, J. Comp. & Physiol. Psychol., 65; auth. Persistence and learning in young children, Child Development, 67; co-auth. Children's reactions to nonreward: partial versus continuous reinforcement using within-subjects design, Psychonomic Sci., 68. Address: Dept. of Psychology, University of Northern Iowa, Cedar Falls, Iowa 50613.
- SEMPLE, DR. ROBERT K. b. Toronto, Ont. July 26, 41; m. 66. GEOGRAPHY. B.A. Toronto, 65, M.A., 66; Ph.D.(geog.), Ohio State, 69. ASST. PROF. GEOG., MCGILL, 69- Regional Sci. Assn. Am. Assn. Geog.; Can. Assn. Geog. Quantitative and economic geography, particularly the development of geographical models; computer oriented research and urban systems analysis. Publ. Co-auth. Concerning the testing of spatial diffusion hypotheses, Geog. Anal., 7/69. A geographical analysis of changes in entropy changes in a settlement pattern over time, Econ. Geog. J., 4/70 & A geographical analysis of changing redundancy in inter-urban transportation links, Geografiska Annaler, 61. Address: Dept. of Geography, McGill University, Montreal 110, Que. Can.
- SENECA, DR. JOSEPH JAMES, b. Philadelphia, Pa. Jan. 6, 43. ECONOMICS. B.S. Pennsylvania, 64, Ph.D.(econ), 66. ASST. PROF. ECON. RUTGERS, 67- U.S.A., 67. Economics of public goods; quantitative economics; natural resources. Publ. Short interest: bearish or bullish, J. Finance, 3/67; Water recreation: supply and demand, Water Resources Res., 12/69; co-auth. A gravity analysis of the demand for public communication, J. Regional Sci., 12/69. Address: Dept. of Economics, Rutgers, The State University, New Brunswick, N.J. 08903.
- SENN, DR. DAVID J(AMES). Psychology. See L-Z Vol. 11th ed, Soc. & Behav. Vols. New position & address: Chmn. 70-, Dept. of Psychology, Monmouth College, Monmouth, Ill. 61462.
- SENNHOLZ, PROF. HANS F. b. West Germany, Feb. 3, 22; U.S. citizen; m. 54; c. 1. ECONOMICS. M.A. Marburg, 48; Ph.D.(polit. sci), Cologne,

- 49; Earhart Found. fel. N.Y. Univ. 54-55, Ph.D.(econ). 55. Asst. prof. ECON. Iona Col. 54-56; PROF. GROVE CITY COL. 56- Mem. Economists' Nat. Cmt. Monetary Policy, 59- trustee, Found. Econ. Ed. 69- Econ. Asn. Problems of international cooperation and integration; money and banking; public finance. Publ: How can Europe survive? 55 & co-auth. On freedom and free enterprise, 56, Van Nostrand; auth. Inflation or gold standard? Constitutional Alliance, 69; plus others. Address: Dept. of Economics, Grove City College, Grove City, Pa. 16127.
- SEPINWALL, DR. JERRY. Physiological Psychology, Psychopharmacology. See Suppl. VI to 11th ed. Phys. & Biol. Vols.
- SERONSY, DR. LOUISE (AIRD). Psychology. See L-Z Vol. 11th ed. Soc. & Behav. Vols. New position: Prof. psychol. Bloomsburg State Col. 69- Address: 14 Central Ave, Carroll Park, Bloomsburg, Pa. 17815.
- SERVICE, PROF. ELMAN ROGERS. Anthropology. See L-Z Vol. 11th ed. Soc. & Behav. Vols. New position: Prof. anthropol. California, Santa Barbara, 68- Address: 459 El Cielito Rd, Santa Barbara, Calif. 93105.
- SETH, PROF. MADAN G. Counseling Psychology. See L-Z Vol. 11th ed. Soc. & Behav. Vols. New position: Prof. 69-, Dept. of Psychology, State University of New York College at Potsdam, Potsdam, N.Y. 13676.
- SETHI, DR. NARENDRA KUMAR. Management, Behavioral Sciences. See L-Z Vol. 11th ed. Soc. & Behav. Vols. New position: Prof. & chmn, 69-, Dept. of Management, St. John's University, Grand Central & Utopia Pkwy, Jamaica, N.Y. 11432.
- SEVERSON, DR. ROBERT F. JR., b. Chicago, Ill, June 29, 31; m. 51; c. 3. ECONOMIC SYSTEMS & HISTORY. B.S. Illinois, 58, M.A., 60, Ph.D.(econ), 63. ASSOC. PROF. ECON. COL. S.JERSEY, RUTGERS, 63- U.S.A.F. 51-55, 8/Sgt. Econ. Asn; Econ. Hist. Asn. Economic history, systems and development. Publ: Articles in Agr. Hist. Vol. 36, No. 3, Bus. Hist. Rev. fall 60, spring 61 & J. Econ. Hist. 6/66. Address: Dept. of Economics, College of Arts & Sciences, Rutgers University, 311 N. Fifth St, Camden, N.J. 08102.
- SEWELL, DR. W. R. DERRICK, b. Rock Ferry, Eng. Feb. 9, 31; m. 61; c. 2. ECONOMICS, GEOGRAPHY. B.Sc. London, 54; M.A. Washington (Seattle), 56, Ph.D.(geog). 64. Economist, Can. Fed. Govt. 56-63; asst. prof. geog. Chicago, 64-66; asst. prof. ECON. & GEOG. VICTORIA (B.C.), 66-69, PROF. 69- Hon. sessional lectr. Univ. British Columbia, 61-62; summers, vis. prof. Utah State Univ, 65, Univ. North Carolina, 66. Consult. U.S. & Can. fed. govt. depts, Nat. Sci. Found. & Can. Privy Coun. Asn. Am. Geog. & Can. Asn. Geog. Can. Econ. Asn; Inst. Pub. Admin. Can. Publ: Water management and floods in the Fraser River Basin, Univ. Chicago, 65; co-auth. The lower Mekong, Carnegie Endowment Int. Peace, Taplinger, 66; auth. Water management research, Queen's Printer, Ottawa, 66. Address: Dept. of Economics, University of Victoria, Victoria, B.C., Can.
- SEYMANN, DR. RICHARD (GEOFFREY), b. New York, N.Y., Jan. 6, 40; m. 63; c. 2. PSYCHOLOGY, STATISTICS. B.A. Washington & Jefferson Col. 61; Ph.D.(exp. psychol). Emory, 67. Instr. PSYCHOL, Morehouse Col. 65-66, asst. prof. 66-68, assoc. prof. 68-69, acting chmn. dept. 66-69; ASSOC. PROF. LYNCHBURG COL. 69- AAAS; Psychol. Asn; Statist. Asn. Theories of discrimination learning and the application of experimental design methodology to theoretical learning problems. Publ: Co-auth. Preference for signal-shock vs. shock-signal, Psychol. Reports, 63; Factors effecting preference for a signal-shock over shock-signal, 66 & auth. The effect of differences in reward magnitude with correlated cues on running speed, 69, J. Exp. Psychol. Address: Dept. of Psychology, Lynchburg College, Lynchburg, Va. 24504.
- SEYMOUR, DR. DAVID RAY. Regional Science. See L-Z Vol. 11th ed. Soc. & Behav. Vols. New position & address: Assoc. prof. 69-, Institute of Urban Studies, Southern Methodist University, Box 945, Dallas, Tex. 75222.
- SFRERRA, DR. AMEDEO (ENNARO). Psychology. See L-Z Vol. 11th ed. Soc. & Behav. Vols. Change of address: College of Liberal Arts, Fairleigh Dickinson University, Teaneck, N.J. 07666.
- SHACK, DR. JOHN RICHARD, b. Chicago, Ill, May 30, 40; m. 63; c. 4. PSYCHOLOGY. A.B. DePaul, 62, B.S. Case Western Reserve, 64, U.S. Pub. Health Serv. fel. 66-68, Ph.D.(clin. psychol), 68. Staff psychologist lectr. Oberlin Col. 66-68; ASST. PROF. PSYCHOL. LOYOLA (ILL). 68-, DR. PSYCHOL. SERV. LOYOLA CHILD GUID. CENTER, 68- Consult. Cleveland Ed. 68-69; Chicago Cath. Archdiocese Health Prog. 68-70; Rosary Col. 69-70; Rogers Park Community Coun. 69-70. Psychol. Asn. Mental health manpower training; behavior modification related to severe psychological impairment in young children; academic learning motivation assessment. Publ: Co-auth. Longitudinal study of a child development program, Cleveland Schs. Press, 68. Address: Dept. of Psychology, Loyola University of Chicago, Chicago, Ill. 60626.
- SHACK, PROF. WILLIAM A. Social Anthropology. See L-Z Vol. 11th ed. Soc. & Behav. Vols. New position & address: Prof. Soc. anthropol. 70-, Dept. of Anthropology, University of California, 232 Kroeber Hall, Berkeley, Calif. 94720.
- SHACTER, DR. DAVID GORDON. Psychology. See L-Z Vol. 11th ed. Soc. & Behav. Vols. New position & address: Asst. prof. 69-, Dept. of Psychology, Waterloo Lutheran University, Waterloo, Ont. Can.
- SHADD, DR. ERNEST GEORGE, b. Elk City, Okla. Dec. 26, 29; m. 53; c. 4. PSYCHIATRY. B.A. Oklahoma, 50, M.D. 55. Intern. St. Francis Hosp., Wichita, Kans. 58-59; res. Menninger Sch. Psychiat. 56-57; Cent. State Griffin Mem. Hosp. 59-61; instr. psychiat. SCH. MED. OKLAHOMA, 61-68, ASST. CLIN. PROF. PSYCHIAT. NEUROL. & BEHAV. SCI, 68-; ASST. SUPT. CENT. STATE GRIFIN MEM. HOSP. 66-, dir. outpatient dept. 61-62, clin. dir. 62-66. Consult. student health serv. Univ. Oklahoma, 61-62; Okla. State Penitentiary, 63-; Tinker Air Force Base, 64-; Okla. Dept. Pub. Welfare, 66- Dipl. Am. Bd. Psychiat. & Neurol. 67. Asst. chief, ment. hygiene clin. Lackland Air Force Base, U.S.A.F. 57-59. Fel. Psychiat. Asn; Am. Med. Asn; Col. Psychiat.; Acad. Relig. & Ment. Health. Address: Box 151, Norman, Okla. 73069.
- SHAFFER, DR. VERNON (WILLIAM). Psychology. See L-Z Vol. 11th ed. Soc. & Behav. Vols. New information: Ment. health consult, Glendale Adventist Hosp. 69-; assoc. prof. psychol. & consult. dept. nursing, Loma Linda Univ. Address: 1530 E. Chevy Chase Dr, Glendale, Calif. 91206.
- SHAFFER, DR. CHARLES (LOUIS). Personnel Psychology. See 11th ed. Soc. & Behav. Vols., deceased 69.
- SHAFFER, PROF. DALLAS (B'ERT). Modern American History. See 5th ed. Dir. Am. Scholars, Vol. I, Hist.
- SHAFFER, DR. EDWARD HARRY. Economics. See L-Z Vol. 11th ed. Soc. & Behav. Vols. New position & address: Vis. assoc. prof. 70-, Faculty of Business Administration & Commerce, University of Alberta, Edmonton, Alta, Can.
- SHAFFER, PROF. HARRY (GEORGE). Economics. See L-Z Vol. 11th ed. Soc. & Behav. Vols. New position: Prof. econ. & Slavic Soc. area studies, 69-, Dept. of Economics, University of Kansas, Lawrence, Kans. 66044.
- SHAFFER, PROF. ROBERT H(OWARD). Business Administration. See L-Z Vol. 11th ed. Soc. & Behav. Vols. New information: No longer dean students, Indiana. Address: School of Education, Room 319, Indiana University, Bloomington, Ind. 47401.
- SHAH, DR. FILIZ BALKIR, b. Bursa, Turkey, Sept. 23, 41; m. 65; c. 1. PSYCHOLOGY, EDUCATION. B.A. Skidmore Col. 62; M.S. Fla. State, 63, Ph.D. (adult ed), 66. Asst. prof. psychol. State Univ. N.Y. 66-68; res. fel. Duke, 68-69; res. consult. U.S. Off. Ed. 69; RES. CONSULT. & WRITER. ADULT ED. ASN. 70- Soc. Res. Child Develop; Adult Ed. Asn. U.S. Nat. Asn. Community Develop; Psychol. Asn. Developmental psychology: educational psychology; adult education. Publ: Ögretmen makinele ve Dewey ve Ullrich, Imece, Turkey; 61; Divergent thinking in adults, Adult Ed. Asn. (in print). Address: 1903 Washington Towers Arts, Gaithersburg, Md. 20706.
- SHAH, DR. VIMAL (BHAI) (REMCHAND). Sociology. See L-Z Vol. 11th ed. Soc. & Behav. Vols. New position & address: Proj. assoc. family planning sect. 69-, Ford Foundation, 55 Lodi Estate, New Delhi-3, India.
- SHAHANI, DR. SAVITRI, b. Hyderabad, India, Jan. 11, 32. SOCIAL ANTHROPOLOGY. B.A. Poona, 51, M.A. 53; Ph.D.(sociol). Baroda, 62; Ph.D. (anthropol). London, 65. Tutor social, Baroda, 53-54; soc. worker, hq. Unilever, Eng. 56-57; mkt. res. officer, Hindustan Lever Ltd, Bombay, 57-58; lectr. sociol. Delhi Sch. Econ. 59-61; Baroda, 61-62; sr. res. fel. ANTHROP. Poona, 66-68; vis. asst. prof. Houston, 68-69; ASST. PROF. GUELPH, 69- Anthropol. Asn; Royal Anthropol. Inst. Gt. Brit. & Ireland. Publ: Market research and sociology, 59 & The joint family—a case study, 61, Econ. Weekly; co-auth. Caste—a trend report and bibliography, UNESCO Current Sociol. Series, 60. Address: Dept. of Sociology & Anthropology, University of Guelph, Guelph, Ont. Can.
- SHAMAN, DR. PAUL. Statistics. See 12th ed. Phys. & Biol. Vols.
- SHAMBERG, DR. NEIL STEPHEN, b. Chicago, Ill. Oct. 4, 32; m. 60; c. 2. PSYCHOLOGY. Ph.D. Northwestern, 61; U.S. Pub. Health Serv. fel. Case-Western Reserve, 63-64, M.A. 65, Ph.D.(psychol), 68. Psychologist, U.S. Vet. Admin. Hosp. Brecksville, Ohio, 63-67; asst. prof. dept. psychol. John Carroll, 67-69; ASST. PROF. PSYCHOL. WINNIPEG, 69-, Soc. Sci. grant, 69- Psychol. Asn. Small group processes; experimental artifacts; leadership; cognitive dissonance theory; integrity therapy. Publ: Reminiscence and pursuit rotor performance in introverts, extroverts and neurotics, Brit. J. Soc. & Clin. Psychol. 12/69. Address: 712 Lanark St, Winnipeg 9, Man, Can.
- SHANLEY, DR. THOMAS F. b. Providence, R.I. Aug. 18, 28. ECONOMICS. B.A. Providence Col. 50; M.A. Catholic Univ. 61; Ph.D.(econ), Notre Dame, 66. Instr. econ. Providence Col. 56-61; econ. res. Fed. Power Cmn. Wash. D.C. 64-66; adv. IDEAS, La Paz, Bolivia, 66-68; ASST. PROF. ECON. & FOR. STUDENT ADV. PROVIDENCE COL. 68- Econ. Asn; Nat. Asn. Publ: Student Affairs. Economics of development in South America. Publ: Economic impact of tourism in R.I. Cath. Univ. Am. 61; Econ-legal struggle for the New England natural gas market, Univ. Notre Dame, 66; Technological dualism and the Bolivian economy, IDEAS, La Paz, 67. Address: Dept. of Economics, Providence College, Providence, R.I. 02918.
- SHANNON, DR. W. WAYNE. Political Science. See L-Z Vol. 11th ed. Soc. & Behav. Vols. New position & address: Assoc. prof. 69-, Dept. of Political Science, University of Connecticut, Storrs, Conn. 06268.
- SHAO, DEAN OTIS H. International Relations, Political Science. See L-Z Vol. 11th ed. Soc. & Behav. Vols. New position & address: Prof. polit. sci. & dean, 68-, Graduate School, University of the Pacific, Stockton, Calif. 95204.
- SHAPIRO, DR. AHARON. ECONOMICS. B.A. Brooklyn Col. 49; Ph.D.(econ), New Sch. Soc. Res. 66. ASST. PROF. ECON. Fairleigh Dickinson, 64-67; ST. JOHN'S (N.Y.), 67- Econ. Asn. International trade; economic history. Publ: Rabbinical responsa regulation of competition, Am. J. Econ. & Sociol. 1/70. Address: 1605 Orchard Terr, Linden, N.J. 07036.
- SHAPIRO, PROF. DONALD M. Applied Mathematics, Computer Science. See Suppl. V to 11th ed. Phys. & Biol. Vols.

- SHAPIO, PROF. HARRY L. (JONEL).** Physical Anthropology. See L-Z Vol. 11th ed. Soc. & Behav. Vols. New information: Retired as chmn. dept. anthrop. & emer. curator, 69-, American Museum of Natural History, New York, N.Y. 10024.
- SHAPIO, DR. JANE P.** b. New York, N.Y., Nov. 10, 38; m. 61; c. 1. **POLITICAL SCIENCE.** B.A., Cornell, 60; M.A., Columbia, 62; Nat. Defense For. Lang., N.Y. Univ. Regents & Columbia Univ. fcls, 62-67, Ph.D. (pub. law, govt), 67. Instr. POLIT. SCI., Cincinnati, 63-64; MANHATTANVILLE COL., 64-67, ASST. PROF., 67-70. Polit. Sci. Assn. Domestic politics in the Soviet Union, specifically into decision making process within the political elite; the problem of control over mass communication in the Union Soviet Socialist Republics. Publ.: Political rehabilitation in South Central Asia, Cent. Asian Rev., fall 66; Soviet historiography and the Moscow trials, Russian Rev., 1/68; Krushchov's legacy: rehabilitation politics, Soviet Studies, 4/69. Address: Dept. of Political Science, Manhattanville College, Purchase, N.Y. 10577.
- SHAPIO, DR. JUDAH J.** b. New York, N.Y., June 12, 12; m. 34; c. 2. **SOCIOLOGY, ANTHROPOLOGY.** B.A., City Col. New York, 34, fel. 34-37; Columbia, 34-37; D.Ed., Harvard, 59. Tutor, City Col. New York, 34-37; social work exec., Young Men's Hebrew Assn., 37-42; dir. hist. & relig. B'nai B'rith, Hillel Founds, 42-48; dir. ed. cult. reconstruct. Am. Jewish Joint Distribution Cmt., Paris, France, 48-54; Conf. on Jewish Mat. Claims Against Germany, 54-57; nat. dir. higher ed. B'nai B'rith Hillel Founds, 57-60; exec. secy. res. & scholarship, Nat. Found. for Jewish Cult., 60-66; CONSULT. ED. RES. WORLD ZIONIST ORGN., YIVO CENTER FOR ADV. JEWISH STUDIES, 68- Chmn. Hadassah Youth Res. Bd., 55-60; Nat. Cmn. on Jewish Cult. Serv., 57-59. Mem. Nat. Acad. Cmt. on Jewish Cult. Youth, 68- Impact of modernization on tradition; what's new in ancient history; generational differences in values. Publ.: Contemporary Jewish community life and the Zionist movement, World Zionist Org., Jerusalem, 65; The friendly society, Doron, 70; The current manpower crisis in Jewish communal services: its implications for the future, J. Jewish Communal Serv., fall 68. Address: 302 W. 86th St., New York, N.Y. 10024.
- SHAPIO, DR. ROBERT ALLEN.** Industrial Engineering. See Suppl. V to 11th ed. Phys. & Biol. Vols.
- SHAPIO, DR. SAMUEL I.** b. Pittsburgh, Pa. Sept. 8, 39; m. 68. **PSYCHOLOGY.** B.A., B.S., M.A., M.S., Ph.D., 61; M.A., 62; Ph.D., 63. (psychol.), 66. Fel. PSYCHOL., California, Berkeley, 66-67; ASST. PROF., HAWAII, 68-, grants, 68-70. Psychol. Assn.; Psychonomic Soc. Verbal learning and behavior; human memory; cognitive processes; history and philosophy of science, psychology of research. Publ.: Paired-associate response latencies as a function of free association strength, 68 & Facilitation and interference effects as a function of the free associative strength of mediators, 70, J. Exp. Psychol.; Serial organization and prior free recall, Can. J. Psychol., 70. Address: Dept. of Psychology, University of Hawaii, Honolulu, Hawaii 96822.
- SHARIFF, DR. ISMAIL.** b. Mysore City, India, Dec. 5, 38; m. 60; c. 2. **ECONOMICS.** B.A. (hons), Mysore, 58, M.A., 60; res. assoc. ship, Wisconsin, 62-65, Ph.D. (econ. develop. & policy), 65. Sr. statist. asst., Dept. Statist. Govt. Mysore, India, 60-61; res. assoc. econ. res. serv., U.S. Dept. Agr., 65-66; guest lect. int. coop. training center, Wisconsin, Madison, 66-67; guest prof. econ. Wisconsin-Milwaukee, 67-68; Wisconsin-Center Syst., 68; ASST. PROF. ECON., WISCONSIN-GREEN BAY, 68- Summer res. grant, grad. sch., Wisconsin, 68. Resource economics; regional economics; economic policy and development. Publ.: Co-auth. The nature and extent of irrigation in Wisconsin, Econ. Res. Serv., U.S. Dept. Agr., 68; auth. The development of Indian and American agriculture—a comparative study, Interstate Publ. & Printers, 68; The cooperative movement as an instrument of economic and social reconstruction in the underdeveloped countries, Econ. Coop. Training Center, Univ. Wisconsin, Madison, 69. Address: University of Wisconsin-Green Bay, 120 S. University Circle Dr., Green Bay, Wis. 54305.
- SHARKEY, PROF. OWEN C.** Psychology. See L-Z Vol. 11th ed. Soc. & Biol. Vols. New position & address: Assoc. prof., 69-, Dept. of Psychology, University of Prince Edward Island, Charlottetown, P.E.I., Can.
- SHARKEY, VINCENT J.** Engineering Psychology. See L-Z Vol. 11th ed. Soc. & Behav. Vols. New position & address: Psychologist, 68-, Naval Training Device Center, Code 551, Orlando, Fla. 32813.
- SHARMA, DR. HARI P.** b. Bawal, India, Jan. 10, 34. **SOCIOLOGY.** B.A., Agra, 54, M.S. Delhi, 60; M.S. Western Reserve, 64; Ph.D. (sociol.), Cornell, 68. Lectr. soc. work, Delhi, 60-63; vis. lectr. SOCIOLOGY, California, 65-68; ASST. PROF. SIMON FRASER UNIV., 68- Sociol. Assn.; Assn. Asian Studies. Sociological theory; sociology of revolutions; Marxist thought; sociology of development. Publ.: Land reforms in Delhi, Univ. Delhi, 62; Indian tribes, Bansal, 62. Address: Dept. of Political Science, Sociology & Anthropology, Simon Fraser University, Burnaby 2, B.C., Can.
- SHARMA, DR. JUGAL K. (JOSHORE).** b. Dist. Montgomery, Pakistan, Apr. 14, 33; m. 62; c. 1. **AGRICULTURAL ECONOMICS, ECONOMICS.** B.S., Delhi, 54; cert. agr.-statist. Inst. Agr.-Res. Statist. New Delhi, 55; dipl. statist., Indian Statist. Inst., Calcutta, 59, M.S. & M.A., California, Berkeley, 63, Ph.D. (agr. econ), 65. Statist. asst., Inst. Agr.-Res. Statist., New Delhi, 52-59; res. asst. agr. econ. California, Berkeley, 60-65; asst. prof. econ. Calgary, 65-67; ECON. & OPERS. RES. IONA COL., 67-68, ASSOC. PROF., 68- Consult. Dept. Manpower & Immigration, Govt. Can., summers 66 & 67. Econ. Assn.; Statist. Assn.; Economet. Soc. Evaluation of small sample properties of various estimators. Address: Graduate Division of Business Administration, Iona College, New Rochelle, N.Y. 10801.
- SHARMA, PROF. VISHO B. L.** b. Nairobi, Kenya, May 10, 33; m. 62; c. 4. **POLITICAL SCIENCE, SOCIOLOGY.** B.Sc., London, 54, Ph.D. (int. rels), 56; Barrister-at-Law, Inns of Court, Eng. 58. Asst. registrar, Kenya Govt., 59-65; lectr. polit. sci. & law, Univ. Col. Nairobi, Kenya, 65-67; vis. prof. SOC. SCI. & SOC. WESTERN MICHIGAN, 67-69, asst. prof. econ. Calg., 69-70-, COURSE CHMN., 68- African Studies Assn.; Assn. Asian Studies.
- Strategic aspects of Indian foreign policy; social change in sub-Saharan Africa. Publ.: Co-auth. Manual on Kenya law, Govt. Printer, Kenya, 70. Address: 3303 St. Antoine Ave., Kalamazoo, Mich. 49007.
- SHARP, DR. AGNES ARMINDA.** Psychology. See L-Z Vol. 11th ed. Soc. & Behav. Vols. Change of address: 1640 W. Glendale Ave., Apt. 32, Phoenix, Ariz. 85021.
- SHARP, DEAN BERT (LAVON).** b. Philadelphia, Miss., Nov. 4, 26; m. 48; c. 2. **COUNSELING, EDUCATION.** B.S., Miss. Col., 49; M.Ed., Florida, 53, Ed.D., 60. Teacher, pub. schs., Miss., 45-50; Fla., 50-55; supvr. sec. ed., Pinellas County Schs., 55-61; assoc. prof. counsl. ed., Auburn, 61-63; FLORIDA, 63-68, PROF. ED. & DEAN COL., 68- Ed. consult. elem. & sec. schs. & cols., Southeast, U.S., 58- Personnel & Guid. Assn.; Assn. Counsl. Ed. & Supv.; Psychol. Assn. Vocational choice; attitude development; student achievement. Publ.: College achievement: its relationship to high school achievement experiences and test scores, Personnel & Guid. J., 62; co-auth. Values of college students. In: Research for small colleges, South. Regional Ed. Bd., 63; auth. Education for the preservice teacher, Ed. Horizons, 6/67. Address: College of Education, University of Florida, Gainesville, Fla. 32601.
- SHARP, DR. HARRY W., JR.** Rhetoric, Communication. See 5th ed. Dir. Am. Scholars, Vol. II, Eng. Speech & Drama.
- SHARP, DR. JOSEPH (CECIL).** b. Salt Lake City, Utah, May 30, 34; m. 56; c. 2. **PHYSIOLOGICAL PSYCHOLOGY, ENVIRONMENTAL HEALTH.** B.S., Utah, 57, M.S., 58, Ph.D. (psychol.), 60. Researcher behavior, radiol. Walter Reed Army Inst. Res., 60-61; chief behav. radiol., 61-68; DIR. RADIOL. SCI., N.Y. STATE DEPT. HEALTH, 69- Mem. Int. Radiation Res. Cong. 66- Med. Serv. C. U.S.A., 63-55, 59-68, Maj. Radiation Res. Soc.; Psychol. Assn. Effect of radiation upon behavior and central nervous system development; effects of environmental contaminants upon central nervous and endocrine functions; history of psychology. Publ.: Co-auth. A history of psychology in autobiography, Appleton, 67; auth. chap. In: Prenatal irradiation and behavior, Am. Inst. Biol. Sci., 64. Address: 47 Campus Club Dr., Gulderland, N.Y. 12084.
- SHARPE, PROF. ERNEST A.** b. Cameron, Tex., Feb. 28, 16; m. 42; c. 3. **COMMUNICATIONS, MASS COMMUNICATIONS.** B.J., Texas, 39, A.B., M.J., 41; Ph.D. (mass commun.), Wisconsin, 64. V. consult. for serv., U.S. Dept. State, 45-46; advert. mgt., Bryan Daily Eagle, Tex., 46; instr. JOURNALISM, TEXAS, AUSTIN, 46-48, asst. prof., 48-52, assoc. prof., 52-65, PROF., 65-, GRAD. ADV., 66- Lectr., Wisconsin, 61. Assn. Ed. in Journalism. Advertising; biography of G.B. Dealey; attitudes toward freedom of press, continuing nationwide study, leveling and sharpening effects in communication process. Address: Dept. of Journalism, University of Texas at Austin, Austin, Tex. 78712.
- SHARPE, DR. WILLIAM D.** Pathology, History of Medicine. See Suppl. VI to 11th ed. Phys. & Biol. Vols.
- SHARRON, DR. ARTHUR.** b. New York, N.Y., Mar. 4, 18; m. 39; c. 2. **ECONOMICS, MANAGEMENT.** M.A., American Univ., 45, Ph.D. (econ.), 58. Economet. Off. Price Admin., 44-46, Int. Monetary Fund, 46-48; U.S. Army, 48-51; self-employed, 51-55; U.S. Air Force, 55-58; ASSOC. PROF., econ., Ford, Duquesne, 58-61; econ. Longland, 62; City Univ. New York, 65-67; ECON. & FINANCE, FAIRLEIGH DICKINSON, 65- Fel. Case Inst. Tech., 59. Mem. Economists' Nat. Cmt. Monetary Policy, 59- U.S.A., 43-44. Econ. Assn. Monetary and managerial economics; integrating the fields of economics and psychology. Publ.: Co-auth. Psychoeconomics and its applications, 68, Make economics come alive, 69 & Personalizing economic thinking, 70, Psychoeconomics, Address: Dept. of Economics & Finance, Fairleigh Dickinson University, Rutherford, N.J. 07070.
- SHARTLE, DR. CARROLL LEONARD.** Psychology. See L-Z Vol. 11th ed. Soc. & Behav. Vols. New information: Independent consult., 68- Address: 218 Leland Ave., Columbus, Ohio 43214.
- SHATIN, PROF. LEO.** Psychology. See L-Z Vol. 11th ed. Soc. & Behav. Vols. Change of address: Dept. of Psychiatry, New Jersey College of Medicine & Dentistry, Newark, N.J. 07102.
- SHATTO, DR. GLORIA McDERMITH.** Economics. See L-Z Vol. 11th ed. Soc. & Behav. Vols. New position: Assoc. prof., econ., 69- Address: 7711 Bellevue, Houston, Tex. 77036.
- SHAUL, DR. DONALD ROBERT.** b. Los Angeles, Calif., May 14, 09; m. 36. **MANAGEMENT.** B.S., Naval Acad., 35; M.B.A., Calif., 36; M.S., Los Angeles, 56, Ph.D. (mgt. theory), 64. Creditman, Universal Credit Co., 36-37; person investr., Los Angeles Fire Dept., 37-63; asst. prof. SCH. BUS. California Western, 63-64; CALIF. STATE COL., FULLERTON, 64-66, ASSOC. PROF. MGT., 66-, CHMN. DEPT., 67- U.S.N., 41-54, Comdr. Acad. Mgt. Management theory and policy; personnel and production management; economics. Publ.: What's really ahead for middle management, Personnel, 11-12/64; co-auth. Banking as viewed from the campus, Burroughs Clearing House. Address: Dept. of Management, California State College at Fullerton, Fullerton, Calif. 92631.
- SHAVER, DR. KELLY GRAY.** b. Highland Park, Ill., Oct. 30, 41; m. 63. **SOCIAL PSYCHOLOGY.** B.S., Washington (Seattle), 63, M.S., 65; Ph.D. (psychol.), Duke, 68. ASST. PROF. PSYCHOL., COL. WILLIAM & MARY, 68- Consult. east. region, Va. Higher Ed. Law Enforcement Adv. Cmt., 69- Assoc. Psychol. Assn.; Soc. Psychol. Study Social Issues. Defensive attribution, particularly of responsibility for accidents; social comparison processes; crowd behavior; social problems. Publ.: Co-auth. Factors affecting the choice of a comparison other, 5: 219-232 & auth. Redress and conscientiousness in the attribution of responsibility for accidents, 6: 100-110. J. Exp. Soc. Psychol.; Defensive attribution: effects of severity and relevance on the responsibility assigned for an accident, J. Personality & Soc. Psychol., 14: 101-113. Address: Dept. of Psychology, College of William and Mary, Williamsburg, Va. 23185.

- SHAW, DR. CARL E. b. Billett, Ill. Sept. 7, 16; m. 37; c. 6. **PSYCHOLOGY**. B. Ed. East. Ill. Univ. 36; M.A. Miami (Ohio), 48; Ph.D. (psychol. ed), Purdue, 54. Dir. voc. ed. Batesville, Ind. 46-51; Sullivan, Ind. 51-54; assoc. dir. counseling center, Bowling Green State, 54-57; dean men, St. Petersburg Jr. Col., 57-63; dean students, Milligan Col., 63-66; dir. counseling center, Indiana State, 66-67; from asst. prof. to PROF. **PSYCHOL.**, TENNESSEE STATE, 67- Nat. Sci. Found. fel. Fla. State, 65. **Psychol. Assn.** Address: Dept. of Psychology, Tennessee State University, Johnson City, Tenn. 37601.
- SHAW, EUGENE F. S.J. **Sociology, Communications**. See L-Z Vol. 11th ed, Soc. & Behav. Vols. New position & address: Prof. comm. & v. chmn. dept. comm. arts, Dept. of Communication Arts, Fordham University, Bronx, N.Y. 10458.
- SHAW, DR. JOSEPH F. b. Omaha, Nebr. Sept. 4, 32; m. 58; c. 3. **ECONOMICS**. B.A. California, Los Angeles, 58; M.A., 59; Int. Bus. Mach. Corp. fel. 59-60, Ph.D. (econ). 69. Economist, Tidewater Oil Co., 60-61; N. Am. Rockwell corp., 62-64; sr. assoc. Planning Res. Corp. 64-65; SR. TECH. SPECIALIST, N.A.M. ROCKWELL CORP., 66- U.S.A. 54-57. Econ. Assn; Statist. Assn. Application of economic theory to public policy; international monetary theory. Address: 3724 Carmona Ave., Los Angeles, Calif. 90016.
- SHAW, DR. LAWRENCE H. b. Wallace, Idaho, Aug. 3, 40; m. 62; c. 2. **ECONOMICS**. A.B., George Washington, 61; A.M., Harvard, 63, Ph.D. 64. Economist, U.S. Dept. Agr., 62-66; asst. prof. econ. Vanderbilt, 66-68; **ECONOMIST**, B.F. GOODRICH CO., 68- Econ. Assn; Economet. Soc; Statist. Assn. Quantitative economics. Address: 500 S. Main St., Akron, Ohio 44318.
- SHAW, DR. SUE OLINGER, b. Olinger, Va. Aug. 22, 40; m. 62; c. 3. **ECONOMICS**. A.B., Virginia, 61; A.M., Harvard, 63, Ph.D. (econ), 67. Labor economist, U.S. Dept. Labor, summer 61; fiscal economist, U.S. Bur. Budget, summer 62; res. assoc. Center Planning & Econ. Res. Athens, Greece, 64-66; asst. prof. econ. Middle Tenn. State, 67-69; DIR. BUR. BUS. RES., AKRON, 69- Vis. lect., Vanderbilt Univ., 67-68. Econ. Assn; Royal Econ. Soc. Labor economics and public finance. Publ: Wage structure in Greek manufacturing, Center Planning & Econ. Res., Greece, (in press). Address: School of Business, University of Akron, Akron, Ohio 44304.
- SHAW, DR. WILLIAM H (OWARD). **Economics**. See L-Z Vol. 11th ed, Soc. & Behav. Vols. Change of address: 2304 Riddle Ave., Wilmington, Del. 19806.
- SHAY, PROF. CARLETON (ARKER), b. Berkeley, Calif. Jan. 26, 24; m. 50; c. 2. **EDUCATIONAL PSYCHOLOGY**. B.S., California State, Los Angeles, 48; M.Ed., 50, Ed.D. (ed. psychol.), 60. Psychometrist, City Schs., Santa Monica, Calif., 51-52; teacher, high sch., 52-54, dir. testing & counsl., 54-62; asst. prof. Ed., CALIF. STATE COL. LOS ANGELES, 62-66, asst. dean sch., 65-67, assoc. prof., 66-69; PROF., 69- ASSOC. DEAN SCH., 67- Instr. Univ. California Extension, 51-55; U.S. Off. Ed. Mgt. Tools Training Prog., Southern Illinois, 65. Counsl. Syst. Develop. Corp., 60-65. Mem. cm. eval. ed. res. Am. Ed. Res. Assn., 62-64. U.S.A. 43-45. AAAS; Nat. Coun. Measurement in Ed. Programmed instruction; research methodology; educational measurement. Publ: A study of a high school student who completed a college prep curriculum, Calif. J. Ed. Res., 60 & Relationship of intelligence to a typing machine program, J. Ed. Psychol., 60; co-author, The quality of educational research, Ed. Researcher, 67. Address: School of Education, California State College at Los Angeles, 5151 State College Dr., Los Angeles, Calif. 90032.
- SHAY, PROF. THEODORE L. b. Portland, Ore., Oct. 5, 26; m. 52; c. 5. **POLITICAL SCIENCE**. B.S., Northwestern, 50; M.A., 51, Fetzler fel., 54-55, Ph.D. (polit. sci.), 55. Asst. prof. POLIT. SCI., WILLAMETTE, 56-58, assoc. prof., 58-61, PROF., 61- Guggenheim fel., 58-59; lectr. Int. Col. Commerce, Tokyo, 68. Consult. Ore. Pub. Welfare Cmn, 61; Ore. Dept. Transportation, 69. U.S.A.A.F., 44-46. South Asia and the Far East; foreign affairs of developing areas. Publ: The legacy of the Lokamanya, Oxford, 56; Pakistan, India, Red China, Emphasis, 65; Non-alignment st., neutralism no, Rev. Polit., 68. Address: Dept. of Political Science, Willamette University, Salem, Ore. 97301.
- SHEA, PROF. JOHN C. b. Bradford, Pa., May 9, 36; m. 60; c. 3. **POLITICAL SCIENCE**. B.A., Allegheny Col., 58; M.A., Pennsylvania, 60; Pittsburgh, 64-70. Third secy, U.S. Embassy, Montevideo, 61-63; instr. POLIT. SCI., Pittsburgh, 63-67; ASSOC. PROF. WEST CHESTER STATE COL., 67- Consult. Nat. Cmt. Sase Nuclear Policy. Polit. Sci. Assn. Political socialization; learning of political attitudes at high school level. Address: Dept. of Political Science, P.O. Box 2482, West Chester State College, West Chester, Pa. 19380.
- SHEA, PROF. JOHN WHITNEY. **Economics, Sociology**. See L-Z Vol. 11th ed, Soc. & Behav. Vols. New information: Also chmn., 69- Division of Social Science, Houghton College, 20 Campus Heights, Houghton, N.Y. 14744.
- SHEA, DEAN JOSEPH AUGUSTINE, b. Cambridge, Mass., July 2, 18; m. 45; c. 2. **PSYCHOLOGY**. B.S. Boston Col., 42; M.A., Harvard, 45; Ph.D. (psychol. ed), Catholic Univ., 55. Instr. jr.-sr. high sch., Mass., 42-43; Wayside Inn Sch., 43-44; high sch., 44-48; Catholic Univ., 48-50; asst. prof. WORCESTER STATE COL., 50-51, assoc. prof., 51-55, PROF. **PSYCHOL.**, CHMN. DEPT. & ACAD. DEAN, 55- Spec. instr. Simmons Col., 47-48; instr. univ. exten., Commonwealth Mass., 50-54, teacher col. exten., 54- Instr. sch. mngs., Worcester City Hosp., Mass., 54- Factor analysis; child emotional problems; learning theory. Address: Dept. of Psychology, Worcester State College, 486 Chandler St., Worcester, Mass. 01602.
- SHEARD, DR. MICHAEL HENRY. **Psychiatry, Neuropsycharmacology**. See Suppl. V to 11th ed, Phys. & Biol. Vols.
- SHEARER, DEAN WARREN W (RIGHT). **Economics**. See L-Z Vol. 11th ed, Soc. & Behav. Vols. New position & address: V-pres, admin, 69-, Dolly Madison Industries, Inc, Suite 1000 Lafayette Bldg, Philadelphia, Pa. 19106.
- SHEEHAN, DR. (TIMOTHY) JOSEPH, b. Boston, Mass., Sept. 26, 35; m. 64; c. 1. **EDUCATION, PSYCHOLOGY**. A.B. St. John Sem., 58; M.A., Boston Col., 62; NDEA fel. & Ph.D., Chicago, 65. Res. asst., Chicago, 62-65; ASSOC. DIR. DIV. RES. MED. ED., 67- Instr., Illinois, 64. Consult. Am. Hemat. Soc., 63-70; Cuyahoga Community Col., 67; Pace Assn., Cleveland, Ohio, 68-70; res. div., Cleveland Pub. Schs. & Nat. Prog. Dermat., 68-70. Ed. Res. Assn; Psychol. Assn; Statist. Assn; Nat. Coun. Measurement in Ed.; Psychomet. Soc. Research design; evaluation theory and procedures; instructional theory and practices in mathematics and medicine; the application of multivariate statistical techniques; measurement of intellectual aspects of school climate. Publ: Patterns of sex differences in mathematical problem solving, J. Exp. Ed., summer 68, Toward an instructional software, J. Ed., 4/69 & Toward a software of evaluation: the many faces of evaluation, Am. Psychol. Assn. Proc., summer 70. Address: Division of Research in Medical Education, Case Western Reserve University, 2107 Adelbert Rd., Cleveland, Ohio 44106.
- SHELDON, DR. CHARLES S (TUART). II. **Economics**. See L-Z Vol. 11th ed, Soc. & Behav. Vols. New position: Chief sci. policy res. div. legis. reference serv., Library Cong., 69- Address: 3507 N. Piedmont St., Arlington, Va. 22207.
- SHELDON, DR. ERIC, b. Vienna, Austria, Jan. 15, 32; U.S. citizen; m. 69; c. 2. **PSYCHOLOGY**. B.A., Brooklyn Col., 54; M.S., Syracuse, 60, Ph.D. (psychol.), 68. Sch. psychologist, Bd. Coop. Ed. Serv., Chautauqua County, N.Y., 60-62; ASST. PROF. **PSYCHOL.**, STATE UNIV. N.Y. Col. Cortland, 63-65; Wis. State, Stevens Point, 65-68; STATE UNIV. N.Y. COL. PLATTSBURGH, 68- summer consult. Head Start Prog., 67, 68; psychol. consult., Clinton Prison Hosp., 68- U.S.A. 53-55. Psychol. Assn. Parental and student attitudes and relationships to selected behaviors; creativity. Address: Dept. of Psychology, State University of New York College at Plattsburgh, Plattsburgh, N.Y. 12901.
- SHELDON, DR. PAUL EDWARD, b. Beverly, Mass., Jan. 11, 43; m. 67. **EXPERIMENTAL PSYCHOLOGY**. B.S. Tufts, 63; M.A., Princeton, 65, Ph.D. (exp. psychol.), 66. Instr. **PSYCHOL.**, VILLANOVA, 66-67, ASST. PROF., 67- Psychol. Assn. Sensori-perceptual processes, especially communication by touch and hearing. Address: Dept. of Psychology, Villanova University, Villanova, Pa. 19085.
- SHELL, DR. KARL, b. Paterson, N.J., May 10, 38; m. 62; c. 2. **ECONOMICS**. A.B. Princeton, 60; Ph.D. (econ), Stanford, 65. Sys. analyst, Procter & Gamble Co., summer 59; staff economist, Coun. Econ. Adv., 62; acting instr., Econ. Stanford, 62-63; asst. prof. Mass. Inst. Tech., 64-67, asst. prof. 67-68; PENNSYLVANIA, 68-70, PROF., 70- Econ. Assn; Economet. Soc; Econ. Study Soc. Inactive activity, industrial organization and growth: pure theory of price indices; economics of higher education; economic theory: mathematical economics. Publ: Ed. Essays on the theory of optimal economic growth, Mass. Inst. Tech., 67; author, Toward a theory of inventive activity and capital accumulation, Am. Econ. Rev., 5/66; co-author, The allocation of investment in a dynamic economy, Quart. J. Econ., 11/67. Address: Dept. of Economics, University of Pennsylvania, Philadelphia, Pa. 19104.
- SHELLEY, DR. ERNEST L. V. **Clinical Psychology, Penology**. See L-Z Vol. 11th ed, Soc. & Behav. Vols. New information: Prof. psychol., Olivet Col., 69-; chief psychologist, Michigan County Juvenile Court, 69- Address: 1026 N. Lawn, East Lansing, Mich. 48823.
- SHELLLOW, DR. ROBERT. **Psychology**. See L-Z Vol. 11th ed, Soc. & Behav. Vols. New position: Dir. pilot dist. proj. D.C. Dept. of Pub. Safety, 68- Address: 3752 Oliver St. N.W., Washington, D.C. 20015.
- SHELTON, PROF. AUSTIN (ESSE), b. St. Louis, Mo. May 15, 26; m. 47; c. 2. **ETHNOLOGY, LITERATURE**. B.S., St. Louis, 49, fcls. 49-54, Ph.D. (lit. hist.), 55. Asst. prof. English, Mercy Col., 54-57, assoc. prof. 57-59, prof. lit., 59-60, asst. dean, 58-60; sr. lect. Am. studies, Nigeria, 61-64; vis. prof. English, Ft. Hays Kans. State Col., 64-65; PROF. **AFRICAN STUDIES**, STATE UNIV. N.Y. COL. NEW PALTZ, 65- Ford Ed. Forum scholar, 56-; U.S. Agency Int. Develop. res. grant, 62-63; State Univ. N.Y. res. grants, 65-67 & 68-70, fel. 68- U.S.C.G. 43-46. Fel. African Studies Assn; Anthropol. Assn. Ethnology; West African religion; African literature. Publ: Hangman's song, 60 & Martin's land, 61, Chilton; African assertion, Odyssey, 68. Address: Dept. of African Studies, State University of New York College at New Paltz, New Paltz, N.Y. 12561.
- SHELTON, PROF. DAVID (HOWARD). **Economics**. See L-Z Vol. 11th ed, Soc. & Behav. Vols. New information: Also dean, 70- School of Business & Economics, University of North Carolina at Greensboro, Greensboro, N.C. 27412.
- SHEPHERD, DR. HALE T (HUREL). **Economics**. See L-Z Vol. 11th ed, Soc. & Behav. Vols. New information: Retired, 69- Address: 3136 Newark St. N.W., Washington, D.C. 20008.
- SHEPARD, MILLS. **Economics, Marketing**. See L-Z Vol. 11th ed, Soc. & Behav. Vols. New information: Sr. consult. Mkt. Res. Assocs., N.Y., 69- Address: 785 Via Lombardy, Winter Park, Fla. 32789.
- SHEPHERD, DR. GEORGE WILLIAM, JR. **Political Science**. See L-Z Vol. 11th ed, Soc. & Behav. Vols. New information: Also dir., 69- Center on International Race Relations, Graduate School of International Studies, University of Denver, Denver, Colo. 80210.
- SHEPHERD, DR. JAMES FLOYD, JR. b. Walla Walla, Wash., May 21, 36; m. 56; c. 3. **ECONOMICS, ECONOMIC HISTORY**. A.B. Stanford, 58; M.A., Washington (Seattle), 64, Soc. Sci. Res. Com. fel., 64, Ph.D. (econ), 66. ASST. PROF. **ECON.**, British Columbia, 65-66; PURDUE, 66- Nat. Sci. Found. grant, 68-69. U.S.A., 59-61, 1st Lt. Econ. Assn; Econ. Hist. Assn. American economic history. Publ: A balance of payments for the thirteen colonies, 1786-1782; a summary, J. Econ. Hist., 12/65. Address: Dept. of Economics, Purdue University, Lafayette, Ind. 47907.

- SHER, DR. WILLIAM**, b. China, May 3, 23; U.S. citizen. ECONOMICS. M.A. Minnesota, Minneapolis, 59. Ph.D.(econ), 67. Instr. ECON. Minnesota, Minneapolis, 63; Montana State, 63-64; asst. prof. Northern Michigan, 64-65; asst. assoc. Alberta, 65-68; ASSOC. PROF. DUQUESNE, 68- Income distribution theory and regional employment of labor and land use. Publ: Co-auth, Manpower problems and economic opportunities in an adjusting regional economy, Northern Michigan Univ, 65; auth, The cost of capital and corporation finance involving risk, Economist, Soc. 69. Address: Dept. of Economics, Duquesne University School of Business Administration, Pittsburgh, Pa. 15219.
- SHERIDAN, DR. EDWARD PATRICK**. Clinical Psychology. See L-Z Vol, 11th ed, Soc. & Behav. Vols. New position: Asst. prof, counseling center, Illinois, Chicago, 69- Address: 1819 W. Thorne, Chicago, Ill. 60626.
- SHERLOCK, DR. JOSEPH R(USSELL)**. Psychology. See L-Z Vol, 11th ed, Soc. & Biol. Vols. New position: Asst. prof. philos, lib. arts col, Fordham, 69- Address: 2885 Briggs Ave, Bronx, N.Y. 10458.
- SHERMAN, DR. EDITH**. Sociology. See L-Z Vol, 11th ed, Soc. & Behav. Vols. Change of address: General Classroom Bldg (GCB) 448, University of Denver, Denver, Colo. 80210.
- SHERMAN, DR. ROBERT**, b. Brooklyn, N.Y. Dec. 7, 28; m. 54; c. 3. COUNSELING PSYCHOLOGY. B.S. Rutgers, 50; M.Ed. 52. Howard Savings Instn. fel, 57-59. Ed.D.(counseling), 60. Teacher, high schs, N.J., 50-51 & 55-56; farmer, 51-53; teacher, jr. high sch, N.J., 56-57; counsr, high sch, 57-60; asst. prof. COUNSR. ED, Yeshiva, 60-62; QUEENS COL, 62-69, ASSOC. PROF. 70- Fel. center human develop, Hebrew Univ. 67-; dir. U.S. Off. Ed. training insts. on counseling disadvantaged youth & urban sch. counseling & leadership training, Proj. impact, 69; U.S. Off. Ed. Leadership Training Inst., 70; vis. prof, Miami (Fla); Fla. State; Rutgers; Newark State Col; dir. training, Relationship Develop. Center. U.S.A.F.R., 50-60, Lt. Psychol. Asn; Personnel & Guid. Asn; Asn. Counsr. Ed. & Supv. Design and development of counselor training programs; design of teaching-learning environments; applications of sensitivity and encounter techniques to education; interpersonal communication and behavior; psychosocial development; individual and group counseling. Publ: Counseling disadvantaged youth, U.S. Off. Ed., 69; Exploratory experiences in group guidance, 63 & Teacher-counselor communication, 69, Sch. Counsr. Address: 69-16 228th St, Bayside, N.Y. 11364.
- SHERMAN, DR. ROGER**. Economics, Social Psychology. See L-Z Vol, 11th ed, Soc. & Behav. Vols. New position: Assoc. prof, Dept. of Economics, University of Virginia, Charlottesville, Va. 22903.
- SHERMAN, DR. ROSALYN SYLVIA**. Philosophy. See 5th ed, Dir. Am. Scholars, Vol. IV, Philos. Relig. & Law.
- SHERMAN, DR. STEVEN J(AMES)**, b. Boston, Mass., May 16, 42; m. 63; c. 2. SOCIAL PSYCHOLOGY. B.A., Harvard, 63; U.S. Pub. Health Serv. fel, Michigan, 65-67, M.A., 66, Ph.D.(soc. psychol), 67. ASST. PROF. PSYCHOL., INDIANA, BLOOMINGTON, 68- Psychol. Asn. Social influence and attitude change, especially in terms of consistency theory, approaches: individual and group decision making. Address: Dept. of Psychology, Indiana University, Bloomington, Ind. 47401.
- SHERMAN, DR. SUSAN R(OTH)**. Social Psychology. See L-Z Vol, 11th ed, Soc. & Behav. Vols. New position & address: Sr. res. scientist psychol, 69-. Mental Health Research Unit, New York State Dept. of Mental Hygiene, 44 Holland Ave, Albany, N.Y. 12208.
- SHERRY, PROF. BEN B.**, b. Apr. 23, 14; U.S. citizen; m. 36; c. 2. ECONOMICS, BUSINESS ADMINISTRATION. B.S., U.S. Coast Guard Acad, 36; M.B.A., Southern California, 50. Chief cost acct, Cert. Grocers, Calif, 50-56, opera. res. analyst, 56-57; mgr. & sr. financial analyst, financial planning dept, Electro-Data Div, Burroughs Corp, 57-63; instr. ECON. & BUS. ADMIN., CHAPMAN COL, 63-67, ASST. PROF. 67- U.S.C.G. 36-48, Cmdr. Acct. Asn; Nat. Asn. Acct. Management and budgetary controls and quantitative methods as applied to these areas. Publ: Instructors manual accompanying Personal finance, Wiley, 69. Address: 6471 Fairlawn Blvd, Yorba Linda, Calif. 92686.
- SHERTER, DR. SIDNEY R**. History. See Suppl. I to 5th ed, Dir. Am. Scholars.
- SHEVITZ, DR. REUBEN NATHAN**. Industrial Psychology. See L-Z Vol, 11th ed, Soc. & Behav. Vols. New position: Dir. personnel & orgn. develop, 69-, Eli Lilly & Co, 307 E. McCarty St, Indianapolis, Ind. 46206.
- SIELDS, DR. CHARLES FRED**, b. Bowling Green, Ky, Oct. 26, 36; m. 64; c. 1. CLINICAL & EXPERIMENTAL PSYCHOLOGY. B.A., Yeshiva, 59; Ph.D.(clin. psychol), Alabama, 57. Supply mgr, Brooklyn Air Force Base, Mobile, Ala, 59-62; intern psychol, Bryce Hosp, Tuscaloosa, 65-66; clin. psychologist, Montgomery Ment. Health Center, 67; assoc. prof. psychol, Ala. Agr. & Mech. Col, 67-68; clin. psychologist, Madison County Ment. Health Center, Huntsville, Ala, 68-69; ASSOC. PROF. PSYCHOL., ALABAMA A&M, 69- Psychol. Asn. Psychotherapy and development of human resources; communication especially in therapeutic relationships; semantics. Address: Dept. of Psychology, Alabama A&M University, Normal, Ala. 35762.
- SIELDS, MURRAY**. Economics. See L-Z Vol, 11th ed, Soc. & Behav. Vols. Change of address: 601 N.E. Silver Lane, Boca Raton, Fla. 33432.
- SIELDS, PROF. MURRAY WILLIAM**. Economics. See L-Z Vol, 11th ed, Soc. & Behav. Vols. New position & address: Prof., 69-, Dept. of Economics, Brigham Young University, 302 Jesse Knight Bldg, Provo, Utah 84601.
- SHIFFMAN, PROF. MAX**. Mathematics, Aerodynamics. See Suppl. VI to 11th ed, Phys. & Biol. Vols.
- SHILLING, SAMUEL P(AUL)**. Speech Pathology, Audiology. See Suppl. VI to 11th ed, Phys. & Biol. Vols.
- SHILOH, PROF. AILON**. Anthropology. See L-Z Vol, 11th ed, Soc. & Behav. Vols. New position: Prof., 69-, Dept. of Anthropology, University of Pittsburgh Graduate School of Public Health, Pittsburgh, Pa. 15213.
- SHILS, DR. EDWARD B.** Political Science. See L-Z Vol, 11th ed, Soc. & Behav. Vols. New position: Chmn, dept. of Indust, Whorton Sch, Pennsylvania, 68- Address: 335 S. Woodbine, Pennsylvania Valley, Narberth, Pa. 19072.
- SHIMA, DR. FRED**, b. Los Angeles, Calif, Sept. 9, 41. PSYCHOLOGY. B.A., California, Los Angeles, 63; M.A., 65, Ph.D.(psychol), 68. PSYCHOLOGIST, SOUTHWEST REGIONAL LAB, 68- Psychol. Asn. Verbal learning; experimental psychopathology; educational psychology. Publ: Sex, stimulus, association strength, duration and rate of semantic satiation, Psychonomic Sci, 66; Category clustering in incidental learning, J. Exp. Psychol, 69; Word association in connected discourse, Southwest Regional Lab. Tech. Report, 69. Address: Southwest Regional Lab, 11300 La Cienega Blvd, Inglewood, Calif. 90304.
- SHIMKUNAS, DR. ALGIMANTAS M.**, b. Chicago, Ill, Jan. 16, 40; m. 63; c. 1. CLINICAL PSYCHOLOGY. B.S., St. Louis, 62; M.S., 64, Ph.D.(psychol), 67. U.S. Pub. Health Serv. fel, Connecticut, 67-68; ASST. PROF. PSYCHOL., MISSOURI-COLUMBIA, 68- Res. consult, Am. Tel. & Tel. Co., N.J. Bell Tel. Co., 67- AAAS; Psychol. Asn. Anxiety and uncertainty; internal versus external control of reinforcement; risk-taking and achievement motivation; expectancy theory; cognitive deficit in schizophrenia. Publ: Co-auth, Age and MMPI performance, J. Consult. Psychol, 66 & Schizophrenic response to the Proverbs Test: abstract, concrete or eclectic, J. Abnorm. Psychol, 67; auth, Anxiety and expectancy change: the effects of failure and uncertainty, J. Personality & Soc. Psychol, (in press). Address: Dept. of Psychology, University of Missouri, Columbia, Mo. 65201.
- SHIMM, PROF. MELVIN G(ERALD)**. Law. See 5th ed, Dir. Am. Scholars, Vol. IV, Philos. Relig. & Law.
- SHIN, DR. PAUL Y. H.**, Seoul, Korea, Jan. 27, 31; m. 59; c. 3. ECONOMICS. M.A., Yonsei, Korea, 63; Ph.D.(econ), Nebraska, Lincoln, 68. Researcher banking, Korean Indust. Bank, 59-63; asst. ECON, Nebraska, 63-67, instr, Drake, 67-68; ASST. PROF. HAWAII, 68- Econ. Asn. Competitive situation in Southeast Asian trade and cooperative prospects. Publ: The significance of the role of insurance in developing economies with special emphasis on Korea, Univ. Nebraska, 68; Analytical theories of underdeveloped economies, 12/69 & Development of insurance in Korea since 1945 with implications for developing nations, 12/70, Korean Econ. Rev. Address: Dept. of Business Economics, University of Hawaii, Honolulu, Hawaii 96822.
- SHINKMAN, DR. CHRISTOPHER J.**, b. New York, N.Y., May 19, 40; m. 65. HIGHER EDUCATION, EDUCATIONAL PSYCHOLOGY. B.A., Thiel Col, 62; M.Ed., Westminster Col(Pa), 65; Ph.D.(higher ed. admin), Pittsburgh, 69. Asst. dir. admissions & dir. placement, Westminster Col(Pa), 62-65; asst. dir. admissions, Pittsburgh, 65-67; COUNSR., SCH. INST., & ABOR. RELS., CORNELL, 67- U.S.M.C.R., 58-62. Personnel & Guid. Asn; Study of college student attitudes and changes in these attitudes that may occur along with college attendance. Address: Cornell University School of Industrial and Labor Relations, 101 Ives Hall, Ithaca, N.Y. 14850.
- SHINKMAN, DR. PAUL G.** Physiological Psychology. See Suppl. VI to 11th ed, Phys. & Biol. Vols.
- SHISKIN, JULIUS**. Economics. See L-Z Vol, 11th ed, Soc. & Behav. Vols. New information: Asst. dir. statist. policy, U.S. Bur. Budget, 69; U.S. rep. UN Statist. Cmn. 69- Address: 8920 Whitney St, Silver Spring, Md. 20901.
- SHIVELY, DR. STANLEY EDWARD**, b. Detroit, Mich., Jan. 13, 30; m. 57; c. 2. SOCIOLOGY. B.A., Colorado, 55, M.A., 57; Ph.D.(social), Pittsburgh, 66. Human factors specialist, Syst. Develop. Corp, 59-61; res. assoc. SOCIOL., Pittsburgh, 61-65; asst. prof, Oklahoma, 65-68; assoc. prof, Oregon State, 68-70; MEM. STAFF, CHINESE UNIV, HONG KONG, 70- Res. assoc. Am. Inst. Res, Pa, 62-63; assoc. dir, inst. group rels, Univ. Oklahoma, 66-68, res. consult, 67, U.S.A.F., 50-54, S/Sgt. Social Asn; Asn. Pub. Opinion Res. Psychological worlds in which people live, their temporal and spatial horizons and corresponding behavioral patterns; political processes of societal change, particularly social movements and revolutions. Publ: Co-auth, Anticipated changes in Communist nations, auth, Perceived economic and military strength of nations & Analysis of cold war outcomes which the major powers are seen as desiring most and least, U.S. Air Force Off. Sci. Res, 62. Address: Dept. of Sociology, Chinese University of Hong Kong, Kowloon, Hong. Kong.
- SHIVELY, DR. WILLIAM PHILLIPS**, b. Altoona, Pa, Mar. 31, 42; m. 64; c. 1. POLITICAL SCIENCE. B.A., Franklin & Marshall Col, 63; Ph.D.(govt. sci), North Carolina, 69. Acting asst. prof. POLIT. SCI., Oregon, 67-68; ASST. PROF. YALE, 68- Soc. Sci. Res. Coun. fel, Dartmouth Col, 70-71. Polit. Sci. Asn. Development of mass political behavior since mid-nineteenth century in North America and Western Europe. Publ: Ecological inference: the use of aggregate data to study individuals, Am. Polit. Sci. Rev, 69 & The elusive psychological factor: a test for the impact of electoral systems on voters' behavior, Comp. Polit, 70. Address: Dept. of Political Science, Yale University, New Haven, Conn. 06520.
- SHNEIDMAN, DR. EDWIN S.** Psychology. See L-Z Vol, 11th ed, Soc. & Behav. Vols. New position & address: Fel, 69-, Center for Advanced Study in the Behavioral Sciences, 202 Junipero Serra Blvd, Stanford, Calif. 94305.
- SHOEN, DR. EDWARD JOSEPH, JR.** Psychology. See L-Z Vol, 11th ed, Soc. & Behav. Vols. New position & address: Exec. v.pres, 69- Evergreen State College, Olympia, Wash. 98501.

- SHOCKLEY, DR. BARBARA J(EAN) (L)ARSON). Social Science. See L-Z Vol, 11th ed, Soc. & Behav. Vols. Change of address: 1420 Walnut St, Nacogdoches, Tex. 75961.
- SHOEMAKER, DR. THADDEUS EUGENE. b. Chambersburg, Pa, Sept. 18, 26; m. 53; c. 4. POLITICAL SCIENCE. LAW. B.A. Brigham Young, 53; M.S. Southern California, 63, M.A., 65, Haynes Found. grant, 66-67, Ph.D.(polit. sci.), 69. Mgr. wholesale auto parts, King Motor Co, Utah, 54-61; teacher & counsr. pub. schs, Calif, 62-66; instr. polit. sci, Calif. State Col. Los Angeles, 66, ASST. PROF, 66-68; Southern California, 68; GOVT, SACRAMENTO STATE COL, 68. Consult. Los Angeles City Sch. Dist, 64-66; Calif. State Dept. Ment. Hyg, 69-70. U.S.A., 45-46. Polit. Sci. Assn. Jurisprudence and judicial process; democratic theory and power politics. Publ: Co-auth, Law and the judicial process, Blaisdell, 70; auth. Free press—fair trial, Town Hall Calif, 67. Address: 1101 La Sierra Dr, Sacramento, Calif. 95825.
- SHOOK, EDWIN MARTIN. Archaeology, Anthropology. See L-Z Vol, 11th ed, Soc. & Behav. Vols. New position: Field dir, Monte Alto Proj, Peabody Museum, Harvard, 68. Address: Oak Hill Rd, Harvard, Mass. 01451.
- SHORE, DR. BARRY. b. Nov. 24, 38; U.S. citizen; n. 60; c. 2. BUSINESS MANAGEMENT. B.S. Tufts, 60; M.B.A., Massachusetts, 63; Ph.D.(bus), Wisconsin, 68. Design engr, Boeing Co, 60-61; Gen. Elec. Co, 61-62; prod. mgr, Hewlett-Packard Co, 63-65; ASST. PROF. BUS, Wisconsin, 68; NORTHEASTERN, 68. Inst. Mgt. Sci., Econ. Asn. Use of linear dynamic models in telephone exchange replacement analysis; regulatory implications of data traffic on the telephone network. Publ: The equipment replacement aspects of capital budgeting, Univ. Wisconsin Bus. Res, 68; Electronic telephone exchanges: the economics of replacement, Pub. Utilities Community, 69. Address: College of Business Administration, Northeastern University, Boston, Mass. 02115.
- SHORE, DR. MILTON F, b. Boston, Mass, Sept. 11, 28; m. 58; c. 3. PSYCHOLOGY. A.B., Harvard Col, 49; M.A., Boston, 50, fel, 52, Ph.D.(clin. psychol), 55. Staff psychologist, Douglas A. Thomas Clin. for Children, Boston, 56-57; supv. psychologist, Worcester Guid. Center, 57-62; instr. psychol, Leicester Jr. Col, 59-62; chief psychologist, Judge Baker Guid. Center, Boston, 62-64; PROF. LECTR. PSYCHOL, George Washington Univ, 64-66; UNIV. MARYLAND, 66-; CHIEF CLIN. RES. & PROF. EVAL. SECT, MENT. HEALTH STUDY CENTER, NAT. INST. MENT. HEALTH, 66-; clin. res. psychologist, 64-66. U.S. Pub. Health Serv. fel, Judge Baker Guid. Center, 54; instr. Worcester Mem. Hosp, Mass, 60-62. Consult, Boston Floating Hosp, 62-64; mem, President's Cmn. Law Enforcement & Justice, 67; Joint Cmn. Ment. Health of Children, 69. Dipl. Am. Bd. Exam. Prfl. Psychol, 62. AAAS, Psychol. Asn; fel. Orthopsychiat. Asn. Hospitalization of children: innov. program for adolescent delinquent boys; community mental health. Publ: Red is the color of hunger; planning for children in the hospital, U.S. Govt. Printing Off, 67; co-auth, Community mental health: problems, programs and strategies, Behav. Pub, 69; The chronic delinquent during adolescence: a new opportunity for intervention, In: Adolescence, Basic Books, 68. Address: 418 Lambertson Dr, Silver Spring, Md. 20902.
- SHORE, WILLIAM (BURTON). Political Science, Public Administration. See L-Z Vol, 11th ed, Soc. & Behav. Vols. New position: V-pres, Regional Plan Assn, 69. Address: 119 Cobb Lane, Tarrytown, N.Y. 10591.
- SHORT, PROF. JAMES F(RANKLIN), JR. Sociology. See L-Z Vol, 11th ed, Soc. & Behav. Vols. New information: Fel, Center Adv. Study Behav. Sci, 69-70. Address: Dept. of Sociology, Washington State University, Pullman, Wash. 99163.
- SHOUP, DR. PAUL SNEDDEN. b. New York, N.Y., July 21, 29; m. 53; c. 2. POLITICAL SCIENCE. B.A. Swarthmore Col, 51; Ph.D.(pub. law & govt), Columbia, 60. Instr. POLIT. SCI, Kenyon Col, 60-63; asst. prof, VIRGINIA, 63-67, ASSOC. PROF, 67. Polit. Sci. Asn; Asn. Adv. Slavic Studies. East European and comparative Communist Studies. Publ: Communism and the Yugoslav national question, Columbia Univ, 68; Comparing Communist nations: prospects for an empirical approach, Am. Polit. Sci. Rev, 3/68. Address: Dept. of Government & Foreign Affairs, University of Virginia, Charlottesville, Va. 22901.
- SHOWALTER, PROF. D(ONALD) F(OX). Psychology. See L-Z Vol, 11th ed, Soc. & Behav. Vols. New information: No longer prof, Northern Iowa. Address: 1300 N. Manhattan Ave, Manhattan, Kans. 66502.
- SHOWS, DR. EDGAR WARREN, b. Jackson, Miss, Mar. 3, 38; m. 62; c. 2. ECONOMICS. B.B.A., Calif. Col, 61, M.B.A., 63, Ph.D.(econ), 68; Columbia, 64. Asst. to pres, Atlanta Tool Co, 61-62; instr. math, South. Tech. Inst, Ga. Inst. Tech, 64-65; econ. South Florida, 64-65; monetary & price theory, Ga. State Col, 66-67; ASST. PROF. ECON, SOUTH FLORIDA, 67-Econ. Asn; Finance Asn. Monetary theory; history and institutions. Address: Dept. of Economics, College of Business Administration, University of South Florida, Tampa, Fla. 33620.
- SHRABLE, PROF. KENNETH, b. Viola, Ark, Sept. 14, 29; m. 50. PSYCHOLOGY, EDUCATION. B.A., Harding Col, 50; B.D., Fuller Theol. Sem, 56; M.A., California, Berkeley, 61, Ph.D.(counseling psychol), 65. Teacher, pub. schs, Calif, 56-58; PROF. COUNSELING & ED. PSYCHOL, CALIFORNIA, DAVIS, 65. Psychol. Asn. Need achievement and teacher behavior. Publ: Achievement fantasy as a function of variations in self-rates competencies. Perceptual & Motor Skills, 69. Interacting in the interrogative, J. Teacher Ed, summer 69 & Effects of achievement, motivation and test anxiety on performance in programmed instruction, Am. Ed. Res, J. 3/70. Address: 3747 JoDe Ct, Concord, Calif. 94520.
- SHRADER, DR. WILLIAM K(EATING), b. Sept. 6, 31; U.S. citizen; n. 59; c. 2. COUNSELING, CLINICAL PSYCHOLOGY. B.A., Massachusetts, Amherst, 57, M.S., 60, Ph.D.(clin. psychol), 63. Staff clin. psychologist, Franklin Delano Roosevelt Vet. Admin. Hosp, Montrose, N.Y. 63-66; clin. res. psychologist, Children's Psychiat. Center, Eatonville, N.J. 66-68; DIR. COUNSELING CENTER & PART-TIME INSTR, FAIRLEIGH DICKENSON, 68. Psychother-
- apist, Ment. Health Consultation Center, N.Y. 65-66; lectr, Monmouth Col, 67-68. Consult, Independent Bronx Consultation Center, N.Y. 64-65; Rockland Ment. Health Asn, 66. U.S.A., 53-55. Psychol. Asn. Approaches to short-term group psychotherapy; classification of children's behavior problems; self-estimates of college counselees versus non-counselees. Publ: Reality-oriented group therapy, Hosp. & Community psychiat, 8/66; Birth order of children and parental report of problems, Child Develop, 12/68. A didactic approach to structure in short-term group therapy, Am. J. Orthopsychiat, 4/69. Address: Counseling Center, Fairleigh Dickinson University, 285 Madison Ave, Madison, N.J. 07940.
- SHRIVER, DR. DONALD W(ODDS), JR. Sociology of Religion. See L-Z Vol, 11th ed, Soc. & Behav. Vols. New information: Also dir, univ. prog. sci. & soc, N.C. State, 68. Address: 3608 Dade St, Raleigh, N.C. 27609.
- SHRIVER, DR. EDGAR L(OUIS). Psychology. See L-Z Vol, 11th ed, Soc. & Behav. Vols. New position: V-pres, Matrix Res. Co, 69. Address: 100 Prince St, Alexandria, Va. 22314.
- SUARD, DR. JAMES M, b. College Point, N.Y., May 9, 31; m. 53; c. 2. SOCIOLOGY, HIGHER EDUCATION. B.A., Hofstra Col, 53, M.A., 62; Ph.D. (higher ed), N.Y. Univ, 66. Asst. dir. admissions off, HOFSTRA, 59-62, asst. deat faculty, 62-65, exee. dean student serv, 65-68, ASSOC. PROF. SOC. SCI, 68. Intel. C.U.S.A., 53-55. Asn. Instnl. Res; Asn. Higher Ed. College and university organization; college curriculum experimentation and innovation. Address: Dept. of Social Science, Hofstra University, Hempstead, N.Y. 11550.
- SUBERT, GUSTAVE H. Sociology, Economics. See L-Z Vol, 11th ed, Soc. & Behav. Vols. New position: V-pres, 68, Rand Corp, 1700 Main St, Santa Monica, Calif. 90406.
- SHUKAIR, DR. ALI A. Philosophy, Political Science. See Suppl. I to 5th ed, Dir. Am. Scholars.
- SHULL, PROF. CHARLES W(ILLIAM). Political Science. See L-Z Vol, 11th ed, Soc. & Behav. Vols. New information: Emer. prof, Wayne State, 69. Address: 8900 E. Jefferson, Apt. 623, Detroit, Mich. 48214.
- SHULTZ, DR. (GEORGE) (PRATT). Economics. See L-Z Vol, 11th ed, Soc. & Behav. Vols. New position & address: Secy. labor, 69, U.S. Dept. of Labor, 14th & Constitution, Washington, D.C. 20201.
- SHURE, DR. GERALD H(YMEN). Psychology. See L-Z Vol, 11th ed, Soc. & Behav. Vols. New position: Prof. psychol. & dir. center comput.-based behav. studies, California, Los Angeles, 69. Address: 735 Muskingum Ave, Pacific Palisades, Calif. 90272.
- SHUSTER, PROF. LOUIS J, b. Chicago, Ill, Mar. 1, 18; m. 48; c. 2. ORGANIZATION BEHAVIOR. B.A., Sacramento State Col, 53; M.B.A., Washington (Seattle), 55; D.B.A., 61. Asst. prof. mgt, San Diego State Col, 57-58; asso. prof, Sacramento State Col, 59-65; Santa Clara, 65-67; Northern Illinois, 67-68; Missouri-St. Louis, 68-70; PROF. BUS. ADMIN, CALIF. STATE COL, BAKERSFIELD, 70. Consult, Pac. Tel. & Tel, Calif, 62, Aerojet Gen. Corp, 63. U.S.A.A.F. 41-46, Capt. Acad. Mgt. Personnel management; collective bargaining; organization structure and behavior; motivation theory; business policy. Publ: College students think business is... Adv. Mgt. J, 7/68; co-auth, Bilateral relationships between perception and performance, Acad. Mgt. 69; auth, Needed: more sensitivity, less training, Personnel J, 8/69. Address: Dept. of Business Administration, California State College, Bakersfield, Calif. 93304.
- SHUTTLESWORTH, PROF. GUY EUGENE. Sociology, Social Work. See L-Z Vol, 11th ed, Soc. & Behav. Vols. New position & address: Vis. asso. prof, 69, School of Social Work, University of Texas, Austin, Tex. 78712.
- SHUVAL, DR. JUDITH. Sociology. See L-Z Vol, 11th ed, Soc. & Behav. Vols. New position & address: Sr. lectr, 68, Hebrew University of Jerusalem, Jerusalem, Israel.
- SIBLEY, DR. RALPH F(RANK). Psychology. See L-Z Vol, 11th ed, Soc. & Behav. Vols. New position: Chief psychologist child develop. prog, Children's Hosp, Buffalo, 69. Address: 76 Hodge Ave, Buffalo, N.Y. 14222.
- SIBLEY, PROF. WILLIS E(LBRIDGE). Anthropology. See L-Z Vol, 11th ed, Soc. & Behav. Vols. New position: Prof. & prom. acting chmn, 69, Dept. of Anthropology, Washington State University, Pullman, Wash. 99163.
- SIDOWSKI, PROF. JOSEPH. Experimental Psychology. See L-Z Vol, 11th ed, Soc. & Behav. Vols. New position & address: Prof, 69, Dept. of Psychology, University of South Florida, Tampa, Fla. 33620.
- SIEBERT, DR. CALVIN DOUGLAS. Economics. See L-Z Vol, 11th ed, Soc. & Behav. Vols. New information: Also chmn, 69, Dept. of Economics, University of Iowa, Iowa City, Iowa 52240.
- SIEGEL, PROF. ABRAHAM J. Economics, Industrial Relations. See L-Z Vol, 11th ed, Soc. & Behav. Vols. New information: Prof. indust. rels, 67, Alfred P. Sloan School of Mgt, Massachusetts Institute of Technology, Room E52-474, Cambridge, Mass. 02139.
- SIEGEL, PROF. ALBERTA E(NGVALL). Psychology. See L-Z Vol, 11th ed, Soc. & Behav. Vols. New position: Prof. psychol. in psychiat, 69, Dept. of Psychiatry, Stanford University Medical School, Room R315, Stanford, Calif. 94304.
- SIEGEL, DR. ALEXANDER W(INSTON), b. Summit, N.J., June 4, 41; m. 64; c. 1. PSYCHOLOGY. B.A., Amherst Col, 63; M.A., Minnesota, 65, U.S. Pub. Health Serv. fel, 65-66, Ph.D.(child psychol), 66. Res. & teach. child psychol, inst. child develop, Minnesota, 66-67; ASST. PROF. PSYCHOL., PITTSBURGH, 67-; AAAS; Soc. Res. in Child Develop; Psychol. Asn. Experimen-

- tal research on the nature of learning and cognitive development in children. Publ: Co-auth. Incidental learning: a developmental study, *Child Develop.*, 66 & Attentional differences in children's incidental learning, *J. Ed. Psychol.*, 69; Attention: In, *Encyclopedia of education*, MacMillan, (in press). Address: Dept. of Psychology, University of Pittsburgh, Pittsburgh, Pa. 15213.
- SIEGEL, PROF. BARRY N(ORMAN). Economics. See L-Z Vol, 11th ed, Soc. & Behav. Vols. New information: Also assoc. dean liberal arts, 69-, University of Oregon, Eugene, Ore. 97403.
- SIEGEL, DR. HERBERT S. Physiology, Endocrinology. See Suppl. V to 11th ed, Phys. & Biol. Vols.
- SIEGEL, PROF. NATHANIEL. Sociology, Psychology. See L-Z Vol, 11th ed, Soc. & Behav. Vols. New information: Also assoc. dean faculty, Queens Col., 69- Address: 8 Birchfield Rd, Larchmont, N.Y. 10588.
- SIEGEL, DR. WILLIAM CARL, b. Eau Claire, Wis, Sept. 11, 32; m. 62; c. 4. FORESTRY, ECONOMICS. B.S. Mich. State, 54, M.S. 57; Tulane, 60; La. State, 60-61; L.L.B., Loyola, (La.), 65, J.D. 66. Timber mgmt. asst., Sam Houston Nat. Forest, U.S. FOREST SERV., 58, asst. economist, SOUTH. FOREST & RANGE EXP. STA., 58-60, assoc. economist, 60-66, economist, 66-68, PRIN. ECONOMIST, 68- U.S.A.F., 55-57, Res. 57-, Maj. Soc. Am. Foresters. Forestry economics research; forest taxation, insurance and credit with special emphasis on the relationship between law and economics. Publ: Forest taxation in Louisiana, Occasional Paper 187, South. Forest Exp. Sta., U.S. Forest Serv., New Orleans, La. 61; Analysis of timber loans in the Federal Land Bank System, Banking, 5/68; Timber casualty dilemma: the forest or the tree?, *Natural Resources Lawyer*, 7/70. Address: 9110 Hermitage Place, New Orleans, La. 70123.
- SIEGFRIED, DR. JOHN B(ARTON), b. Philadelphia, Pa., Mar. 19, 38; m. 70. PHYSIOLOGICAL PSYCHOLOGY. B.A., Rochester, 60; scholars, Brown, 60-61 & 65-66, M.S. 62, Ph.D.(physiol. psychol.), 67. Asst., Brown, 60-62; asst. human factors engr., Cornell Aeronaut. Lab., 62-63; assoc. res. scientist, Honeywell, Inc., Minn., 63-64; teaching asst., Brown, 65-66; ASSOC. PROF. PSYCHOL., HOUSTON, 66- Asst. prof., grad. sch. biomed. sci., Texas, Houston, 67-69; physiol. optics, col. med., Baylor, 69- AAAS: Optical Soc. Am.; Soc. Psychophysiol. Res. Sensory processes; vision, especially analysis of human visual evoked potentials. Publ: Co-auth. Psychophysical estimates of on-responses to brief light flashes, *J. Optical Soc. Am.*, 62; auth. Evoked potential correlates of psychophysical responses: heterochromatic brightness matching, *Science*, 65 & The effect of wavelength on the waveform of visual evoked cortical potentials, *J. Am. Acad. Optom.*, 70. Address: 4124 Anita, Houston, Tex. 77004.
- SIEMENS, DR. NICOLA I. b. Crimea, Russia, June 5, 26; U.S. citizen; m. 55; c. 2. INDUSTRIAL MANAGEMENT, MECHANICAL ENGINEERING. B.S.M.E., Washington (Seattle), 57; Nat. Defense Ed. Act, Oregon, 63-66, M.B.A., 65, D.B.A. indust. mgmt., 67. Res. & develop. engr., FMC Corp., Calif., 57-59, sr. res. & develop. engr., 59-60, proj. engr., 60-62, proj. coordinator, 62-63; instr. MGT., Southern Illinois, 66-67, asst. prof., 67-68; ASSOC. PROF., GEORGIA, 68- Med.Serv.C. U.S.A., 50-53, Lt. Acad. MGT.; Soc. Mech. Eng. Inst. Decision Sci. Operations research; computer simulation; production and industrial management; management information systems. Address: Dept. of Management, University of Georgia, Athens, Ga. 30601.
- SIERACKI, DR. EDWARD R(OBERT), b. Dickson City, Pa., Apr. 17, 29; m. 54; c. 5. PSYCHOLOGY. B.A., Buffalo, 58; Ph.D.(psychol.) State Univ. N.Y., Buffalo, 63. Academic chief psychologist, Vet. Admin. Hosp., Covington, Pa., 63-65; training consult., psychol. adv. cmt. & rehab. counseling adv. cmt., Rehab. Serv. Admin., 65-69; CHIEF PSYCHOL. SERV., VET. ADMIN. HOSP., 69- Mem. Fed. Inter-Agency Task Force on Counseling, 65-68. U.S.A., 54-57, 1st Lt. Psychol. Asn.; Personnel & Guid. Asn.; Nat. Rehab. Asn. Administration of a psychology service; psychological aspects of disability; individual and group counseling; training of psychologists and rehabilitation counselors; manpower utilization. Publ: Rehabilitation counselor training—another way, *Rehab. Record*, 68. Address: 1157 Ave. A, Perry Point, Md. 21902.
- SIES, DR. LUTHER FRANK. Speech Pathology, Semantics. See 5th ed, Dir. Am. Scholars, Vol. II, Eng. Speech & Drama.
- SIEVERS, DR. C(LEMENT) H(ENRY). Psychology. See L-Z Vol, 11th ed, Soc. & Behav. Vols. New position: Psychologist, Am. Properties, Ltd., 69- Address: 1205 Mariposa Ave, Coral Gables, Fla. 33146.
- SIFFIN, DR. WILLIAM JOSEPH. Political Science, Public Administration. See L-Z Vol, 11th ed, Soc. & Behav. Vols. New position & address: Dir. off. develop. admin. tech. assistance bur., 70-, Agency for International Development, State Dept., Washington, D.C. 20523.
- SIGAFOOS, DR. ROBERT A(LAN). Economics, Public Administration. See L-Z Vol, 11th ed, Soc. & Behav. Vols. New position & address: Prin. couns., 69-, Real Estate Research Corp., 315 Montgomery St, San Francisco, Calif. 94104.
- SIGALL, DR. HAROLD, b. New York, N.Y., June 29, 43; m. 65; c. 1. SOCIAL PSYCHOLOGY. B.S. City Coll. New York, 64; Nat. Defense Ed. Act fel., Texas, Austin, 66-68, Ph.D.(psychol.), 68. ASST. PROF. PSYCHOL., ROCH-ESTER, 68- Psychol. Asn. Experimental social psychology; social influence; persuasion; interpersonal attractiveness; self-esteem; person perception. Publ: Co-auth. Liking for an evaluation as a function of her physical attractiveness and nature of the evaluation, 69 & Opinion change as a function of stress and communication credibility, 69, *J. Exp. Soc. Psychol.*; auth. The effects of competence and consensual validation on a communicator's liking for the evidence, *J. Personality & Soc. Psychol.*, 70. Address: Dept. of Psychology, University of Rochester, Rochester, N.Y. 14627.
- SIGBAND, PROF. NORMAN B(RUCE). Communications, Education. See L-Z Vol, 11th ed, Soc. & Behav. Vols. New information: Also chmn, dept. mkt. & bus. commun. sch. bus. admin. Southern California. New publ: Communication for management, Scott, 69. Address: School of Business Administration, University of Southern California, Los Angeles, Calif. 90007.
- SIGEL, PROF. ROBERTA S. Political Science. See L-Z Vol, 11th ed, Soc. & Behav. Vols. New position & address: Prof., 69-, Dept. of Political Science, State University of New York at Buffalo, 4238 Ridge Lea Rd, Buffalo, N.Y. 14226.
- SIGLER, DR. JOHN H, b. Indianapolis, Ind, Feb. 22, 32; m. 53; c. 3. POLITICAL SCIENCE. A.B., Dartmouth Col., 53; Fulbright scholar, Grenoble, 53-54; M.A. Georgetown, 60; Tunis, 65-67; Ph.D.(polit. sci.), Southern California, 68. Res. analyst, U.S. Dept. Defense, 57-60; polit. officer, U.S. mission to NATO, Paris, 60-62; instr. int. rels. Southern California, 67-68. ASSOC. PROF. POLIT. SCI., MACALESTER COL., 68- Nat. Sci. Found. fel. Inst. Quan. Methods in Polit. Sci., Univ. Minnesota, 69-70. U.S.A.F., 54-57, Res. 57-, Capt. Polit. Sci. Asn. Middle East Studies Asn. of N.Am.; Int. Polit. Sci. Asn.; Int. Studies Asn. Quantitative content analysis of international communications. Publ: News flow in the North African international system, *Int. Studies Quart.*, 12/69. Address: Dept. of Political Science, Macalester College, St. Paul, Minn. 55101.
- SIGNORI, PROF. EDRO I(TALO). Psychology. See L-Z Vol, 11th ed, Soc. & Behav. Vols. New information: Also acting head, 69-, Dept. of Psychology, University of British Columbia, Vancouver 8, B.C., Can.
- SIKES, DR. MELVIN P(ATTERSON). Psychology, Social Science. See L-Z Vol, 11th ed, Soc. & Behav. Vols. New position: Prof., dept. ed. psychol., Texas, Austin, 69- Address: 8703 Point West Dr, Austin, Tex. 78759.
- SILBER, DR. DAVID ELLIOT. Psychology. See L-Z Vol, 11th ed, Soc. & Behav. Vols. New position: Assoc. prof., dept. of Psychology, George Washington University, Washington, D.C. 20006.
- SILBERDICK, DR. BARBARA JANE. Political Science, Philosophy. See FEINBERG, DR. BARBARA SILBERDICK, this Suppl.
- SILFEN, DR. CAROLE K(ENDIG). Experimental Psychology. See L-Z Vol, 11th ed, Soc. & Behav. Vols. New position & address: Asst. prof., 69-, Dept. of Psychology, Seton Hall University, South Orange, N.J. 07079.
- SILK, DR. ALVIN J, b. Winnipeg, Man. Dec. 31, 35; m. 66; c. 1. MANAGEMENT. B.A., Western Ontario, 59; M.B.A., Northwestern, 60, Ph.D.(mgmt.), 68. Asst. prof. bus. admin. California, Los Angeles, 63-66; Chicago, 66-68; ASSOC. PROF. MGT., MASS. INST. TECH., 68- Inst. Mgt. Sci.; Asn. Pub. Opinion Res.; Mkt. Asn. Marketing; social psychology; mass communications; advertising; management science. Publ: Preference and perception measures in new product development: an exposition and review, *Indust. Mgt. Rev.*, fall 69; co-auth. Patterns of overlap in interest and opinion leadership for selected categories of purchasing activity, *Proc. Conf. Am. Mkt. Asn.* (in press) & Small group theory and marketing research, In: *Handbook of marketing research*, McGraw, (in press); plus others. Address: Sloan School of Management, Massachusetts Institute of Technology, 50 Memorial Dr, Cambridge, Mass. 02139.
- SILLS, DR. DAVID L(AWRENCE). Sociology. See L-Z Vol, 11th ed, Soc. & Behav. Vols. New position: Dir. demog. div., 69-, Population Council, 245 Park Ave, New York, N.Y. 10017.
- SILVER, DR. ALBERT W(OLF). Clinical Psychology. See L-Z Vol, 11th ed, Soc. & Behav. Vols. New position & address: Head, dept. of social & community serv. technologies, 69-, Dutchess Community College, Poughkeepsie, N.Y. 12601.
- SILVERMAN, CORINNE (MRS. A. B. KYLE). Political Science. See L-Z Vol, 11th ed, Soc. & Behav. Vols. New position & address: Sr. partner, 70-, Philadelphia Group, 3508 Market St, Philadelphia, Pa. 19104.
- SILVERMAN, DR. DOROTHY. Educational Psychology. See L-Z Vol, 11th ed, Soc. & Behav. Vols. New position: Res. assoc., New York City Bd. Ed., 69- Address: 2261 Ocean Ave, Brooklyn, N.Y. 11229.
- SILVERMAN, DR. HAROLD. Guidance, Counseling. See L-Z Vol, 11th ed, Soc. & Behav. Vols. New position: Prof. & asst. dean, Wright State, 69- Address: 1731 Philadelphia Dr, Dayton, Ohio 45406.
- SILVERMAN, DR. JERRY MARK. International Relations, Government. See L-Z Vol, 11th ed, Soc. & Behav. Vols. New position: Asst. prof., 68-, Dept. of Political Science, McMaster University, Hamilton, Ont., Can.
- SILVERMAN, DR. JULIAN, b. Bronx, N.Y., Mar. 15, 33; m. 57; c. 3. EXPERIMENTAL PSYCHOPATHOLOGY, PSYCHOLOGY. B.B.A., Baruch Sch., City Coll. New York, 58; M.A., Michigan, 61, Nat. Inst. Ment. Health fel., 61-62, Ph.D.(psychol.), 62. Vet. Admin. fel. perception, Vet. Admin. Hosp., Palo Alto, Calif., 62-65; res. psychologist, adult psychiat. br. clin. invests, Nat. Inst. Ment. Health, Bethesda, Md., 65-67, chief, sect. perceptual & cognitive studies, 67-69; RES. SPECIALIST, AGNEW'S STATE HOSP., SAN JOSE, STATE DEPT. MENT. HYG., CALIF., 69- Vis. lectr., Santa Clara, 64; California, Santa Cruz, 68; med. sch., Chicago, 69; res. dir., Esalen Inst., Big Sur & San Francisco, 70- Consult. ed. Jour. Schizophrenia, 67-; Jour. Nervous & Ment. Disease, 68-; spec. consult. adult psychiat. br., Nat. Inst. Ment. Health, 69-; study sect. Personality & Cognition Res. Rev. Cmt., 70, U.S.A., 53-55. Psychol. Am. Relationships between perceptual and sensory processes and underlying neurophysiological processes; attention, perception and altered states of consciousness; neuropsychopharmacology. Publ: Co-auth. Stimulus intensity control and the cortical evoked response, *Psychosom. Med.*, 2/68; Auth. A paradigm for the study

- of altered states of consciousness, *Brit. J. Psychiat.* 10/68; Attention styles and the study of sex differences, In: *Attention: contemporary studies and Analyses*, 70, Appleton. Address: 15147 Elm Park, Monte Sereno, Calif. 95030.
- SILVERMAN, DR. MITCHELL, b. Denver, Colo, July 12, 40; m. 67. PSYCHOLOGY. B.A. Denver, 63; Inst. Sci. Res. fel, New Mexico Highlands, 63-64, M.S. 65; U.S. Dept. Health, Ed. & Welfare fel, Ohio State, 65-68, Ph.D. (psychol), 68. Intern. Los Lunas Training Sch. & Hosp. N.Mex. 64-65; teaching asst. psychol, Ohio State, 65-66; RES. ASST. PROF. INST. III: EXCEPT. CHILDREN & ADULTS, SOUTH FLORIDA, 68- Res. assoc, Denver, summer 66. Psychol. consult, div. maternal & child health, State Dept. Health, Ohio, 67-68; consult, State Div. Youth Serv., Fla. & Manatee County Sch. Syst., 69. Psychol. Asst. Soc. Res. Child Develop; Assn. Ment. Deficiency; Council. Except. Children. Juvenile delinquency; alienation research; mental retardation. Publ.: Developmental trends in the vocational interests of special education and normal students, *J. Genetic Psychol.* (in press). Address: Institute III: Exceptional Children & Adults, University of South Florida, Tampa, Fla. 33620.
- SILVERMAN, DR. PHILIP, b. Winthrop, Mass, Sept. 20, 34; m. 62; c. 2. ANTHROPOLOGY. B.A. Oklahoma, 57; Mainz, 59-60; Soc. Sci. Res. Coun. fel, Cornell, 66-67, Ph.D. (anthrop), 68. ASST. PROF. ANTHROP. CITY COL. NEW YORK, 68- U.S.A. 57-59. Anthropol. Asn. Tribal-national relations and political organizations in new nations, *Contemporary Africa*, 1968; Dept. of Anthropology, City College of New York, New York, N.Y. 10031.
- SILVERS, DR. RONALD JAY, b. New York, N.Y., Oct. 19, 33; m. 58. SOCIOLOGY. B.A. Texas, Austin, 58, M.A., 60; Johns Hopkins, 60-61; Univ. Wilson fel. & M.A. Princeton, 63, Ph.D. (sociol), 70. Instr. SOCIOLOG., Connecticut, 63-64; instr. lectr. to ASST. PROF. Michigan, 64-67, PH.D. COLUMBIA, 67- U.S.A. 53-55. Sociol. Asn.; Can. Sociol. & Anthropol. Asn.; Int. Sociol. Society of art, artists and intellectuals; sociology of knowledge, especially social construction of reality; mass movements, especially student protest. Publ.: Co-auth. Three cultures and the student revolution, *Cmmn. on Basic. between Univs. & Govt*, 70; auth. The modern artist's associability: constructing a situated moral revolution, In: *Deviance and respectability*, Reals Books, 70; Structure and values in the explanation of acculturation rates, In: *Minority responses*, Random, 70. Address: Dept. of Sociology, University of British Columbia, Vancouver 8, B.C., Can.
- SILVERS, DR. STUART. Philosophy. See 5th ed, Dir. Am. Scholars, Vol. IV, Philons, Relig. & Law.
- SILVERTHORP, DR. LEE J(AMES). Clinical Psychology. See L-Z Vol. 11th ed, Soc. & Behav. Vols. New information: Adj. prof. Memphis State, 67- Address: 211 Cochran, Apt. 23, Memphis, Tenn. 38105.
- SILVING, PROF. HELEN. Law. See L-Z Vol. 11th ed, Soc. & Behav. Vols. New publ.: Sources of law, W.S. Hein, 68. Address: Condominio Darlington 601, Rio Piedras, P.R. 00925.
- SIME, DEAN DONALD R. b. Los Angeles, Calif, July 20, 26; m. 49; c. 3. BEHAVIORAL SCIENCE TOP, RESEARCH. B.A. Pepperdine, 61; M.A. 61; B.D. Princeton Theol. Sem, 54; Ph.D. (relig. & personality), Chicago, 62. Asst. prof. relig, Harding Col, 54-61, assoc. prof, 61-63, prof, 63-66; PEP- PERDINE COL, 66-68, behav. sci, 68-69, DEAN SCH. BUS, 69- U.S.N. 44-46. Mgt. Asn. Small groups; attitude measurement and development. Address: School of Business, Pepperdine College, 1121 W. 79th St, Los Angeles, Calif. 90044.
- SIMIRENKO, DR. ALEX. Sociology. See L-Z Vol. 11th ed, Soc. & Behav. Vols. New position & address: Prof., Dept. of Sociology, Pennsylvania State University, Burrows Hall, University Park, Pa. 16802.
- SIMKINS, DR. LAWRENCE D(AVID). Psychology. See L-Z Vol. 11th ed, Soc. & Behav. Vols. New position: Prof., 69-, Dept. of Psychology, University of Missouri at Kansas City, Kansas City, Mo. 64110.
- SIMKO, DR. ROBERT A. b. New Brunswick, N.J., Oct. 25, 34; m. 56; c. 4. GEOGRAPHY. B.A. Rutgers, 60, M.A., 62; Ford Found. fel, Indiana, 62-63, Ph.D. (geog), 68. Lectr. Nat. Sci. Found. Summer Inst. Earth Sci, 62; asst. prof. GEOG. State Univ. N.Y. New Paltz, 63-65; Inst. Int. Ed. lectr, East Africa, 65-68; ASST. PROF. MIDDLEBURY COL, 68- U.S.N. 52-56. Asn. Am. Geog; Geog. Soc; African Studies Asn; Geog. Asn. Tanzania (hon. treas, 67-68). Problems of economic development and national unity in East Africa; changing political geography of central and southern Africa. Publ.: Recent industrial development in the Dar es Salaam area, *E. African Geog. Rev.* 4/67; The United Republic of Tanzania, *Focus*, 2/68; co-auth, Tanzania in Africa, In: *Tanzania in maps*, Bell, (in press). Address: Dept. of Geography, Middlebury College, Middlebury, Vt. 05753.
- SIMMONS, DR. JAMES CARLTON, b. Lucedale, Miss, Apr. 11, 20; m. 50; c. 2. ECONOMICS. Ph.B. Wisconsin, 48; M.Sc. London, 50, Ph.D. (econ), 67. Asst. dir. develop, Gulf Mobile & Ohio R.R., 50-52; labor economist, U.S. Bur. Labor Statist, 52-53; head res. sect, Koor Indust. & Crafts Ltd, Tel-Aviv, Israel, 54-56; chief res. officer manpower res. & head res. dept, Israel Inst. Productivity, 56-66; ASSOC. PROF. ECON. FLA. STATE, 67-68. Lectr. Hebrew Univ. Jerusalem, 57-60; Afro-Asian Inst, Tel-Aviv, 60; U.S. Off. Ed. grant, 68-69. Mem. pub. adv. cmt, Israel Cmt. Bur. Statist, Jerusalem, 58-60; sub-cmt. wages & productivity, Israel Govt. Interministerial / Cmt. Productivity, 62-63; manpower adv. cmt, Israel Ministry Labor, 63-64. Econ. Hist. Asn. Manpower problems relating to economic development. Publ.: Ed. Source book on industrial relations in Israel, Hebrew Univ. Jerusalem, 65; auth, Labor relations and productivity, *Israel Productivity Inst*, 65 & The ways of immigrant integration in industry, In: *Integration of immigrants*, Magnes, Hebrew Univ, 69. Address: Dept. of Economics, Florida State University, Tallahassee, Fla. 32306.
- SIMMONS, DR. JAMES QUMBY, III, b. Philadelphia, Pa, Apr. 16, 25; m. 54; c. 4. PSYCHIATRY. B.S. Rutgers, 48; M.D. Bowman Gray Sch. Med, Wake Forest, 52. Intern. Walter Reed Army Med. Center, 52-53; asst. prof. in residence PSYCHIAT, NEUROPSYCHIAT. INST. CENTER FOR HEALTH SCI, UNIV. CALIFORNIA, LOS ANGELES, 64-68, ASSOC. CLIN. PROF., 68- ASSOC. PROG. DIR. MENT. RETARDATION, 68-, chief psychiatrist, 62-68. Attending psychiatrist, Vet. Admin. Center, Los Angeles, 65- U.S.A. 43-46, 52-55; Nat. Guard, 56-60. Col. AAAS; fel. Psychiat. Asn. Behavior modification in schizophrenic and retarded children utilizing reinforcement principles and pharmacologically active agents. Publ.: Co-auth, Modification of autistic behavior with LSD-25, *Am. J. Psychiat.* 122: 1201-1211; auth, Emotional problems in mental retardation, *Pediatr. Clin. N. Am.* 15: 957-967; coauth, Manipulation of self-destruction in three retarded children, *J. Appl. Behav. Anal.* 2: 143-157. Address: The Neuropsychiatric Institute, University of California at Los Angeles Center for Health Sciences, 760 Westwood Plaza, Los Angeles, Calif. 90024.
- SIMMONS, DR. JERRY LAIRD. Sociology. See L-Z Vol. 11th ed, Soc. & Behav. Vols. New information: Asst. prof, California, Davis, 68-; dir. pub. div, Diagnostics & Sociology. Address: Dept. of Sociology, University of California, Davis, Calif. 95616.
- SIMMONS, JOHN D(ERIK). Economics. Finance. See L-Z Vol. 11th ed, Soc. & Behav. Vols. New position: Financial consultant, Rogers, Slade & Hill inc, 69- Address: 360 E. 72nd St, Apt. B-508, New York, N.Y. 10021.
- SIMMONS, WALT R. Mathematical Statistics. See L-Z Vol. 11th ed, Soc. & Behav. Vols. Change of address: 1525 Belle Haven Rd, Alexandria, Va. 22307.
- SIMMS, DR. JAMES CARROLL, b. Washington, D.C., Dec. 15, 28; m. 60; c. 2. SOCIOLOGY. A.B. Maryland, 56, fel, 56-57, M.A., 57; fel, Emory, 60-61, Ph.D. (sociol), 62. Teaching asst. sociol, Emory, 59-60, instr., summer 60; lab. intern, 67-68. ASST. PROF. sociol, Milled chiks, 63-64, instr., dept, 62-63; lectr, Alabama, summer 63; asst. prof, Stephen F. Austin State, 63-65; ASSOC. PROF. SOCIOLOG., GEORGIA STATE, 65-, asst. to dean, 67-68. Lectr, Atlanta Univ, 69-70; Univ. Alabama, summer 63. U.S.N. 48-52. AAAS; fel. Sociol. Asn. Research methodology, particularly in the applications of statistics to the solution of research problems in the area of social organization. Publ.: Co-auth. Sociological research applications of an algorithm for the coefficient of concordance, *Am. Sociologist*, 11/68; auth, A comparative procedure for identifying the needs of an urban center, 4/70 & The needs of the metropolitan area considered from a regional standpoint, 5/70, *Atlanta Econ. Rev.* Address: Dept. of Sociology, Georgia State University, 33 Gilmer St. S.E., Atlanta, Ga. 30303.
- SIMNER, DR. MARVIN L(EROY), b. Kingston, Pa, Oct. 12, 36; m. 66. DEVELOPMENTAL PSYCHOLOGY. B.A. Syracuse, 63; M.Sc. N.C. State, 64; Ph.D. (develop. psychol), Cincinnati, 67. Res. assoc. DEVELOP. PSYCHOL., lab. infant behavior, North Carolina, Chapel Hill, 64-65; Brown, 67-69; ASST. PROF., WESTERN MICHIGAN, 69- Nat. Inst. Child Health & Human Development, res. fel, Brown, 67-69; Nat. Res. Coun. intern grant, 69-70, U.S.A. 58-62. Psychol. Asn.; Soc. Res. Child Develop. Prenatal self-stimulation and postnatal peer stimulation on behaviors displayed by newborns. Publ.: Relationship between cardiac rate and vocal activity in newly hatched chicks, *J. Comp. & Physiol. Psychol.* 61: 496-499; Age changes in preference for visual, intermediate stimulation in the newly hatched chick, *Proc. Conv. Am. Psychol. Asn.* 2: 107-108; Cardiac self-stimulation hypothesis and non-nutritive sucking in human infants, *Develop. Psychol.* 1: 569-575. Address: Dept. of Psychology, University of Western Ontario, London, Ont, Can.
- SIMON, DR. ALEX J(OSEPH). Business. Economics. See L-Z Vol. 11th ed, Soc. & Behav. Vols. New position & address: Prof., 70-, Dept. of Management & Marketing, University of Mississippi, University, Miss. 38677.
- SIMON, DR. GEORGE B(ORIS). Educational Psychology. See L-Z Vol. 11th ed, Soc. & Behav. Vols. New information: Prof. psychol. & adminstr. adv. planning, Calif. State Col. Long Beach, 69- Address: 340 Via El Chico, Redondo Beach, Calif. 90277.
- SIMON, PROF. J(ENNINGS) RICHARD. Psychology. See L-Z Vol. 11th ed, Soc. & Behav. Vols. New position: Prof. psychol. & indust. & mgt. eng, 68-, Dept. of Psychology, University of Iowa, Iowa City, Iowa 52240.
- SIMON, DR. MATTHEW. Economics. Economic History. See 11th ed, Soc. & Behav. Vols. deceased 68.
- SIMON, DR. (RAFFI) GERALD. Biochemistry. See Suppl. VI to 11th ed, Phys. & Biol. Vols.
- SIMONS, PROF. RITA JAMES. Sociology. See L-Z Vol. 11th ed, Soc. & Behav. Vols. New position: Prof. sociol. & commun, 68- & head, 69-, Dept. of Sociology, University of Illinois, 42 Lincoln Hall, Urbana, Ill. 61801.
- SIMON, DR. ROGER I. b. New York, N.Y. Sept. 27, 42; m. 64; c. 2. PSYCHOLOGY, ADMINISTRATIVE SCIENCES. B.S. Carnegie Inst. Tech, 63; Ph.D. (admin. sci), Yale, 67. ASST. PROF. PSYCHOL., WAYNE STATE, 67- Psychol. Asn.; Asn. Comput. Mach. Individual and group problem solving and decision making; computer models of cognitive processes; social and structural foundations of judgment and choice. Publ.: Effects of different encodings on complex problem solving, *J. Exp. Psychol.* 1/70. Address: Dept. of Psychology, Wayne State University, Detroit, Mich. 48202.
- SIMON, DR. SHELDON W. Political Science. See L-Z Vol. 11th ed, Soc. & Behav. Vols. New position: Assoc. prof., 69-, Dept. of Political Science, University of Kentucky, 1649 Office Tower, Lexington, Ky. 40506.
- SIMON, DR. SIMON M. b. Iraq, Oct. 20, 22; U.S. citizen. ECONOMICS. B.S. N.Y. Univ, 52, M.B.A., 60, Ph.D. (finance econ), 68. Instr. CORP. FINANCE, Penn. Col., 64-66; N.Y. Univ, 56-67; asst. prof. City Univ. New York, 67-68; ASSOC. PROF. N.Y. Inst. Tech, 68-69; NORTHERN ILLINOIS, 69- Econ. Asn.; Finance Asn.; Nat. Tax Asn.; Nat. Asn. Acad. Fiscal policy; corporation finance. Address: Dept. of Finance, Northern Illinois University, DeKalb, Ill. 60115.

- SIMONDS, DR. LOIS ANN**, b. Lakewood, Ohio, June 28, 29. **AGRICULTURAL ECONOMICS**. B.Sc. Ohio State, 51; M.Sc. 58, Ph.D. (agr. econ), 67; Kansas State, 64. Instr. AGR. ECON, OHIO STATE, 58-67; ASST. PROF., 68-County home demonstration agent, Ohio Coop. Ext. Serv. 51-57; ext. economist, 58- Agr. Econ. Assn; Mkt. Assn; Home Econ. Assn; Coun. Consumer Interests. Study of problems on consumers in area of food marketing as they relate to production and distribution, particularly in low income areas, both urban and rural. Publ: Variations in food costs in major Ohio cities, J. Consumer Affairs, 69. Address: 4923 Larwell Dr, Columbus, Ohio 43220.
- SIMONS, DR. GENE R(OBERT)**, b. July 19, 36; U.S. citizen; m. 61; c. 3. **MANAGEMENT ENGINEERING, MANAGEMENT SCIENCE**. B.S. Rensselaer Polytech, 57, Ph.D. (mgt. sci), 69; M.S. Stevens Inst. Tech, 61. Planning engr. West. Elec. Co, 57-61; Indust. engr., Am. Cyanamid Co, 61-62; asst. prof. Indust. eng. Nw. Haven Col, 62-65; chmn. dept, 65-66; instr. MGT, RENSSLAER POLYTECH, 66-69, asst. prof, 69-70, ASSOC. PROF., 70-Inst. Indust. Eng. State planning and research and development; technological forecasting; hospital systems. Publ: Co-auth. Technology scanning, Conn. Res. Cmn, Hartford, 10/68 & Vantage point: 2000 A.D., Rensselaer Eng. Grad. Studies, 3/69. Address: School of Management, Rensselaer Polytechnic Institute, Troy, N.Y. 12181.
- SIMONSON, DR. CLIFFORD H(ARRY)**. Soil Science. See Suppl. VI to 11th ed, Phys. & Biol. Vols.
- SIMONS, PROF. FREDERICK J(OHN)**. Geography. See L-Z Vol, 11th ed, Soc. & Behav. Vols. New position & address: Prof., 69-, Dept. of Geography, University of California, Davis, Calif. 95616.
- SIMPSON, DR. JON E(ATON)**. Sociology. See L-Z Vol, 11th ed, Soc. & Behav. Vols. New position & address: Asst. prof., 69-, Dept. of Sociology, University of Massachusetts, Amherst, Mass. 01002.
- SIMSON, DR. EDUARD**. Clinical Psychology. See L-Z Vol, 11th ed, Soc. & Behav. Vols. New information: Instr. Hartnell Col, 68-; lectr. California, Exten, 68-; pres. bd. dirs, Pace Found, 69-. Address: 98 Via Encina, Monterey, Calif. 93940.
- SINCLAIR, PROF. SOL(MON)**. Agricultural Economics. See L-Z Vol, 11th ed, Soc. & Behav. Vols. New information: Also dir, 69-, Natural Resource Institute, University of Manitoba, Winnipeg 19, Man, Can.
- SINDWANI, DR. KHARATI L**. Sociology. See L-Z Vol, 11th ed, Soc. & Behav. Vols. Change of address: Dept. of Sociology & Anthropology, Northern Michigan University, Marquette, Mich. 49855.
- SINGER, DR. HENRY A**. Social Psychology. See L-Z Vol, 11th ed, Soc. & Behav. Vols. New position: Exec. dir, Human Resources Assocs, 69-. Address: Woodland Dr, Westport, Conn. 06880.
- SINGER, DR. JAY J**, b. New York, N.Y. Oct. 23, 39; m. 65. **PSYCHOLOGICAL PSYCHOLOGY**. B.A. Brooklyn Col, 60; M.A. Pennsylvania, 61, Ph.D. (psychol), 66. Instr. PSYCHOL, Southern Methodist, 65-66, ASST. PROF., 66-67, FLORIDA ATLANTIC, 67-. Nat. Inst. Health res. Nat. Inst. Mental Health res. dept, 66-67; Air Force Off. Sci. Res. grant, 69-72. Animal Behav. Soc. Neurological control of motivation. Publ: Hypothalamic control of male and female sexual behavior in female rats, J. Comp. & Physiol. Psychol, 66: 738-742. The effects of atropine upon the female and male sexual behavior of female rats, Psychol. & Behav, 3: 377-378 & Effects of atropine on the female sexual behavior of male rats, Psychol. Reports, 23: 702. Address: Dept. of Psychology, Florida Atlantic University, Boca Raton, Fla. 33432.
- SINGER, DR. JEROME L(ONARD)**. Clinical Psychology. See L-Z Vol, 11th ed, Soc. & Behav. Vols. New position: Dir. center res. cognition & affect, grad. center, City Univ. N.Y., 69-. Address: 11 Eastern Dr, Ardley, N.Y. 10502.
- SINGER, DR. NEIL M**, b. New York, N.Y. Nov. 21, 39; m. 64; c. 2. **ECONOMICS**. B.A., Harvard, 60; M.A., Stanford, 61, Ph.D. (econ), 65. Systs. analyst, Center Naval Analyses, 64-66; economist, Off. Secy. Defense, 66; ASST. PROF. ECON, MARYLAND, 66- Consult. prof. eval. staff, U.S. Bur. Budget, 67-68; spec. asst. regional econ. coord., U.S. Dept. Commerce, 69; consult. tech. anal. div, Nat. Bur. Standards, 69- Econ. Assn; Tax Assn. Public expenditure theory and practice; taxation; economic theory. Publ: The use of dummy variables in estimating state income tax revenues, Nat. Tax J., 6/68; co-auth. Criteria for public investment in higher education: In: Economics and financing of higher education in the United States, Joint Econ. Cmn, 69; auth. Estimating state income-tax revenues: a new approach, Rev. Econ. & Statist., 11/70. Address: Dept. of Economics, University of Maryland College of Business & Public Administration, College Park, Md. 20742.
- SINGER, DR. SIDNEY**. Operations Research. See Suppl. VI to 11th ed, Phys. & Biol. Vols.
- SINGH, DR. AVTAR**, b. Patiala, India, Jan. 9, 29; m. 56; c. 2. **SOCIOLOGY, ECONOMICS**. B.A., Punjab, India, 47; M.A., 49, scholar, 62-66; summa, Delhi, 50; Ph.D. (sociol), Miss. State, 67. Develop. officer, nat. exten. serv. Govt. Punjab, India, 53-60; res. asst. sociol, MISS. STATE, 63-67, asst. sociologist, 67-68; ASST. PROF. SOCIOL. & SOCIOLOGIST, 68- Field dir, Agr. Develop. Proj., 64-65. Assoc. Rural Sociol. Soc; assoc. Sociol. Assn; Soc. Int. Develop. Social change; stratification; rural sociology; community; theory; comparative organizations. Publ: The rural urban dialogue and rural sociology, Rural Sociol, 12/69; A reassessment of action approach to community leadership, Sociologia Ruralis, 1/70; Town and country locality: comparative trends and problems, Studies Comp. Int. Develop., 70. Address: Dept. of Sociology & Anthropology, Mississippi State University, State College, Miss. 39762.
- SINGH, PROF. B(HAGWANT)**, b. Simla, India, July 23, 26; C. Can. citizen. **ECONOMICS**. B.A., Punjab, 45, M.A., 48; M.S., Cornell, 57; C.F.E.A.E., Ohio State, 58; Ph.D. (econ), Maryland, 62. Asst. prof. econ, Khalsa Col. Amritsar, Punjab, 52-55; res. asst. Maryland, 57-62; assoc. prof. Memorial Univ, 62-67; prof. Can. External Aid, Univ. West Indies, 67-68; GUEST PROF. ECON. DEVELOP. CHR. MICHELSEN INST., 69- Fel. Svimes Center for Studies on Econ. Develop. Italy, 64; Can. Econ. grant & fel. Inst. Econ. Res. Queen's Univ, 65; fel. Inst. Regional Sci., Univ. Karlsruhe, 70. Consult. economist, Govt. Nw. & Labrador, 62-63; govt. Ont., 66-68. Am. Econ. Assn; Regional Sci. Assn; Can. Inst. Int. Affairs; Can. Econ. Assn. Natural resource development; regional economic development; economic development. Publ: The competitive position of Maryland seaports, Univ. Maryland, 6/62; A-propos des outils d'analyse du développement économique régional, L'Actualité Economique, 9/66; Italian experience in regional economic development and lessons for other countries, Econ. Develop. & Cultural Change, 4/67. Address: Chr. Michelsen Institute, Gl. Kalvedalsvei 12, 5000 Bergen, Norway.
- SINGH, DR. DALJIT**, b. Montgomery, India, Apr. 13, 42; m. 68. **POLITICAL SCIENCE**. B.A., Calif. State Col. Fullerton, 65; M.A., Claremont Grad. Sch., 66, Ph.D. (polit. sci), 70. Asst. prof. POLIT. SCI., Adams State Col., 67-69; ASSOC. PROF. BEMIDJI STATE COL., 69- Polit. Sci. Assn; Asian Studies. Military and modernization process in developing nations. Address: Dept. of Political Science, Bemidji State College, Bemidji, Minn. 56601.
- SINGH, DR. JAGBIR**. Statistics. See Suppl. VI to 11th ed, Phys. & Biol. Vols.
- SINGH, DR. JASBIR MAHAJAN**. Pharmacology, Psychopharmacology. See Suppl. VI to 11th ed, Phys. & Biol. Vols.
- SINGHVI, DR. SURENDRA S**, b. Jodhpur, India, Jan. 16, 42; m. 65; c. 1. **FINANCE**. B.Com., Rajasthan, 61; M.B.A., Atlanta, 63; Ph.D. (bus. admin), Columbia, 67. Instr. bus. admin. New Hampshire, 64-67; asst. prof. FINANCE, MIAMI (OHIO), 67-69; assoc. prof, 69-70, ADJ. ASSOC. PROF., 70-; ASST. TO MGR, ARMO STEEL CORP., 70- Financial planning and analysis. Publ: Co-auth. Frontiers of financial management, South-West. Publ., 71; auth. India's feeble financial statements, Columbia J. World Bus., 11-12/67; Disclosure to whom? Annual financial reports to stockholders and to the securities and exchange commission, J. Bus., 7/68. Address: Dept. of Finance, Miami University, Oxford, Ohio 45056.
- SINGLETON, DEAN FRANCIS SETH**, b. Philadelphia, Pa., July 13, 40; m. 62; c. 2. **POLITICAL SCIENCE**. B.A., Harvard, 62; fels. Yale, 62-64 & 65-66, M.A., 63, Ph.D. (polit. sci), 68. Budget exam. int. div, U.S. Bur. Budget, 64-65; acting instr. POLIT. SCI., YALE, 66-67, LECTR., 67-. DEAN PIERSON COL., 66- Polit. Sci. Assn; African Studies Assn. International politics; relations among the African states as a subsystem in world politics; revolution and political change in non-Western countries; United States foreign and national security policy. Publ: Co-auth. Africa in perspective, Hayden, 67; auth. The Tambov revolt, 1920-1921, Slavic Rev., 9/66. Address: 1408 Yale Station, New Haven, Conn. 06520.
- SINGLETON, DR. JOHN**, b. Philadelphia, Pa., Aug. 7, 30; m. 53; c. 3. **ANTHROPOLOGY, EDUCATION**. A.B., Oberlin Col, 52; A.M., Haverford Col, 53; Mont. State Col, 59; Ford Found. For. Area fel. Stanford, 61-62, Ph.D. (int. develop. ed), 65. Teacher high sch. N.Dak., 53-55; ed. specialist, U.S. Trust Territory Pac. Islands, 55-59; assoc. dir. int. develop. fels. & seminars, East-West Center, Hawaii, 63-66; ASSOC. PROF. int. & develop. ed, PITTSBURGH, 66-67, ANTHROP., 67-, CHMN. INT. & DEVELOP. ED. PROG., 68- Consult. Peace Corps Training for Micronesia, 67; summer, U.S. Trust Territory Pac. Islands, 67. Fel. Anthropol. Assn; fel. Soc. Appl. Anthropol. Comp. & Int. Ed. Soc. Japanese education; development education; educational anthropology. Publ: Nichu: a Japanese school, Holt, 67; Urban-rural comparisons in Japanese education, Int. Rev. Ed., 67; co-auth. Context of international development education, Rev. Ed. Res., 6/68. Address: International & Development Education Program, University of Pittsburgh, 165 Social Science Bldg., Pittsburgh, Pa. 15213.
- SINGPURWALLA, DR. NOZER DRABSHA**. Operations Research, Statistics. See Suppl. VI to 11th ed, Phys. & Biol. Vols.
- SINHA, DR. BHEK P(ATTI)**, b. Pachahi, Darbhanga, India, June 11, 29. **INTERNATIONAL LAW & RELATIONS**. B.S. American Univ, 54, M.A., 56; M.A., Howard, 57; fel. Columbia, 61-62, Ph.D. (int. law & rels), 64. Preceptor & lectr. Hindi lang. & lit, Columbia, 61-64; instr. int. rels. & comp. govt. Drew, 62-63; lectr. int. rels. & govt. City Univ. New York, 64-65; asst. prof. INT. LAW, POLIT. & ORGN, INDIANA STATE, 65-68, ASSOC. PROF., 68- Mem. Columbia Faculty Seminar Oriental Relig. & Thought, 61-62; standing cmt. codification int. law, World Peace through Law Center, 66-; Columbia Faculty Seminar Hist. Legal & Polit. Thought, 69-72; Center for Study Democratic Int. Int. Law; Polit. Sci. Assn; Int. States Assn. Peaceful settlement of international disputes; new soviet foreign policy; problems of international law. Publ: Unilateral denunciation of treaty, Nijhoff Ind. Netherlands, 66; The peaceful settlement of international disputes: relevance and irrelevance, 70 & Report of the rapporteur, topic No. 1, Bangkok world peace through law conference, World Peace through Law Center, Geneva, Switz, 70. Address: Box 300, New York, N.Y. 10025.
- SINHA, DR. KUMARES C**. Urban Systems Engineering. See Suppl. VI to 11th ed, Phys. & Biol. Vols.
- SINHA, DR. ROHINI P(ATTI)**, b. Pachahi, Bihar, India, July 3, 32; m. 64; c. 2. **ECONOMICS**. B.A., Bihar, 56; M.A., New Sch. Soc. Res, 61, Ph.D. (econ), 65. Asst. teacher, high sch. India, 57-58; lectr. ECON, City Univ. N.Y., 64-65; asst. prof. MUEHLBENBERG COL, 65-70, ASSOC. PROF., 70- Am. Econ. Assn; Indian Soc. Labor Econ. Labor market; comparative labor movements, econometrics. Publ: The economics of brain drain, Manpower J., 6/68; Manpower crisis: the problem of educated unemployment, Seminar, 9/69. Address: Dept. of Economics, Muhlenberg College, Allentown, Pa. 18103.
- SINKLER, DR. GEORGE**. American History. See 5th ed, Dir. Am. Scholars, Vol. I, Hist.
- SIPPOLA, DR. BERTRAM C(LAY)**, b. Bronxville, N.Y., Aug. 27, 38; m. 63; c. 2. **EXPERIMENTAL PSYCHOLOGY**. B.A., Bucknell, 60; M.A., Cornell, 63; Ph.D. (exp. psychol), Kansas, 67. Asst. PSYCHOL., Cornell, 60-63; instr. State Univ. N.Y. Cortland, 63-64; asst. instr., Kansas, 64-67; ASST. PROF.,

- LA. STATE, NEW ORLEANS, 67- Participant, Nat. Sci. Found. Summer Inst. Math. Psychol. Univ. Michigan, 67. Psychol. Asn. Basic perceptual phenomena, including adaptation to homogeneous stimulation and contrast effects in space and object perception; systematization of perceptual theories; parametric studies of verbal learning, especially of verbal discrimination. Publ: Co-auth. Motivational decentralization and conflict in the research laboratory. In: The research society, Gordon & Breach, 68; auth. Verbal discrimination learning and the length-difficulty law: a parametric study, Dissertation Abstracts, Vol. 20, No. 8; co-auth. Chromatic adaptation in the Ganzfeld, Proc. La. Acad. Sci. 32: 144-149; plus others. Address: Dept. of Psychology, Louisiana State University in New Orleans, Lake Front, New Orleans, La. 70122.
- SIRACUSE, DR. LAURA W. b. New York, N.Y. Aug. 2, 38. SOCIOLOGY. B.A. Hunter Coll., 60; M.A., New Sch. Soc. Res., 63. Ph.D. (sociol.), 67. ASST. PROF. SOCIOL., BROOKLYN COL., 64- Sociol. Asn. Social theory; sociology of knowledge; social psychology. Publ: Urban swinger. In: The new middle class, Appleton, 70. Address: Dept. of Sociology, Brooklyn College, Brooklyn, N.Y. 11210.
- SIRJAMAKI, PROF. JOHN. Sociology. See L-Z Vol. 11th ed, Soc. & Behav. Vols. Change of address: Dept. of Sociology, State University of New York at Buffalo, 4224 Ridge Lea Rd, Amherst, N.Y. 14226.
- SISTRUNK, DR. FRANCIS. b. Sumter, S.C. May 29, 34; m. 57; c. 1. SOCIAL & EXPERIMENTAL PSYCHOLOGY. B.A. Vanderbilt, 57; M.S. Miami (Fla), 62, Ph.D. (psychol.), 63. Res. scientist, Human Sci. Res. Inc., 63-64; asst. prof. PSYCHOL., Texas Tech., 64-65; SOUTH FLORIDA, 65-67, ASSOC. PROF., 67-68, chmn. dept. psychol., 67-68. U.S.M.C., 57-60, Res., 60-62, Capt. Psychol. Asn. Experimental gaming; conformity; cross-cultural comparisons of social behavior. Publ: Co-auth. Personality correlates of two kinds of conforming behavior, J. Personality, 32: 420-435 & Achievement motivation, affiliation motivation, and task difficulty as determinants of social conformity, J. Soc. Psychol., 66: 41-50; auth. Conditioning and extinction of conforming behavior, Psychonomic Sci., 17: 255-258. Address: Dept. of Psychology, University of South Florida, Tampa, Fla. 33620.
- SITES, DEAN JOHN (EDWARD). Sociology, Education. See L-Z Vol. 11th ed, Soc. & Behav. Vols. New information: Also dean, 68-. Brenau College, Gainesville, Ga. 30501.
- SIUDZINSKI, DR. EDWARD (STANISLAUS). Counseling Psychology. See L-Z Vol. 11th ed, Soc. & Behav. Vols. New position: Staff psychologist, 69-, Veterans Administration Hospital, Montrose, N.Y. 10548.
- SIZEMORE, PROF. ORAL GLEN. Psychology. See L-Z Vol. 11th ed, Soc. & Behav. Vols. Change of address: 1012 Mike, Tahlequah, Okla. 74464.
- SJAASTAD, DR. LARRY A. b. Tagus, N.Dak. Nov. 17, 34; m. 59; c. 2. ECONOMIC. B.A., Chicago, 57, M.A., 58, Ph.D. (econ), 61. Asst. prof. ECON., Minnesota, 60-62; ASSOC. PROF., CHICAGO, 62- Econ. Asn. Labor mobility; theory on consumption; theory of public goods; economic development and planning. Address: 1120 E. 59th St, Chicago, Ill. 60637.
- SJULE, DR. GERALD DUANE, b. Lake Park, Minn., July 29, 31; m. 53; c. 3. PSYCHOLOGY. A.B., Pasadena Col., 55; M.S., Southern California, 57, Ph.D. (psychol.), 66. Instr. high sch. Calif., 58-62; INSTR. PSYCHOL. & COUNSELOR, ORANGE COAST COL., 62- chmn. dept. ev. counseling, 64-65, asst. chmn. dept. psychol., 66-69. Pres. Overseas Ed. Opportunities, Inc., Calif., 68. Psychol. Asn. Production of Counselor's Handbook for students in pursuit of vocational objectives; research in psychology course for college and university freshmen. Publ: Readings for an introduction to psychology, Dickenson, 1/70. Address: 317 E. Santa Clara, Santa Ana, Calif. 92706.
- SKANES, DR. GRAHAM R. b. St. John's, Newfoundland, Dec. 15, 37; m. 64. PSYCHOLOGY. B.Sc. Memorial Univ., 59, B.A., 62, M.A., Dalhousie, 64; Ph.D. (psychol.), McGill, 68. Asst. prof. psychol., MEMORIAL UNIV., 67-70, ASSOC. PROF. PSYCHOL. & DEPUTY DIR. INST. RES. HUMAN ABILITIES, 70- Address: Dept. of Psychology, Memorial University of Newfoundland, St. John's, Newfoundland, Can.
- SKEELS, DR. JOYCE GOLDY, b. Woodbury, N.J., Oct. 13, 27; m. 56; c. 2. ECONOMICS. B.A., Temple, 54; M.A., Wisconsin, 55, Ph.D. (econ), 63. Res. analyst, Nat. Bur. Econ. Res., 64; asst. prof. econ., Northern Illinois, 64-67; RES. ANALYST, 67- Econ. Asn. Monetary economics and reform; labor market economics; women and the labor market. Publ: The early AFL and monetary reform, J. Labor Hist., 70. Address: 9 Moraine Terr, De Kalb, Ill. 60115.
- SKELLY, DR. MADGE. Speech Pathology & Audiology, Theatre. See 5th ed, Dir. Am. Scholars, Vol. II, Eng. Speech & Drama.
- SKEWES-COX, PROF. BENNET. Political Science, International Relations. See L-Z Vol. 11th ed, Soc. & Behav. Vols. New information: Pres. Acad. World Studies, 69-; lectr. exten. California, Berkeley, New. Publ: Peace, truce, or war, Acad. World Studies, 70. Address: Monte Alegre, Box 145, Ross, Calif. 94987.
- SKINNER, PROF. B (BURRHUS) F (REDERIC). Experimental Psychology. See L-Z Vol. 11th ed, Soc. & Behav. Vols. New information: Recipient, Nat. Medal Sci., 68. Address: William James Hall, Harvard University, 33 Kirkland St, Cambridge, Mass. 02138.
- SKINNER, DR. DON COVILL. Religion, Political Science. See 5th ed, Dir. Am. Scholars, Vol. IV, Philos. Relig. & Law.
- SKINNER, PROF. ELLIOTT P. b. Trinidad, W.I., June 20, 24; U.S. citizen; m. 46; c. 4. ANTHROPOLOGY. B.A. N.Y. Univ., 51; M.A., Columbia, 52, Ph.D., 55. Ford Found. fel., 55-57; vis. asst. prof. anthropol., Columbia, 57-59, assoc. prof., 62-66; asst. prof. N.Y. Univ., 59-62; U.S. Ambassador, Upper Volta, 66-69; PROF. ANTHROP., COLUMBIA, 69- U.S.A. Sgt. Anthropol. Soc.; African Studies Asn.; African Heritage Studies Asn. Political change in African societies; urbanization in Africa. Publ: The Mossi of the Upper Volta, Stanford Univ., 64; co-auth. A glorious age in Africa, Double-day, 64. Address: Dept. of Anthropology, Columbia University, New York, N.Y. 10027.
- SKINNER, PROF. GEORGE WILLIAM. Cultural Anthropology. See L-Z Vol. 11th ed, Soc. & Behav. Vols. New publ: Co-ed. Modern Chiese Society: an analytical bibliography, Cornell, 69. Address: Dept. of Anthropology, Stanford University, Stanford, Calif. 94305.
- SKINNER, PROF. GORDON S (WETLAND). Economics. See L-Z Vol. 11th ed, Soc. & Behav. Vols. Change of address: 547 Abilene Trail, Cincinnati, Ohio 45215.
- SKINNER, DR. JAMES E (RNEST). Neurosciences. See Suppl. V to 11th ed, Phys. & Biol. Vols.
- SKINNER, DR. JAMES H. Anthropology. See L-Z Vol. 11th ed, Soc. & Behav. Vols. Change of address: Hunter College, City University of New York, 695 Park Ave., New York, N.Y. 10021.
- SKLARE, PROF. MARSHALL, b. Chicago, Ill., Oct. 21, 21; m. 47; c. 3. SOCIOLOGY. M.A., Chicago, 48, Ph.D. Columbia, 53. Study m., Am. Jewish Cmt., 53-55, dir. div. sci. res., 56-66; PROF. sociol., Yeshiva, 66-70; AM. JEWISH STUDIES, BRANDEIS, 70- Fulbright lectr., Hebrew Univ., 65-66; vis. lectr., Princeton Theol. Sem., 68-69. Ethnic Soc. Asn. Ethnic and racial groups; sociology of religion; contemporary Jewish studies. Publ: Conservative Judaism: an American religious movement, 55 & ed. The Jews: social patterns of an American group, 58, Free Press; co-auth. Jewish identity in the suburban frontier, Basic Books, 67. Address: Dept. of Near Eastern & Judaic Studies, Brandeis University, Waltham, Mass. 02154.
- SKOLNICK, DR. JEROME HERBERT, b. Brooklyn, N.Y., Mar. 21, 31; m. 54. SOCIOLOGY, LAW. B.B.A., City Col. New York, 52; Jr. Sterling fel., Yale, 55-56, Ph.D., 57. Res. assoc. sociol. & law, Yale, 56-60, asst. prof., 60-62; sociol., California, Berkeley, 62-67, assoc. prof., Chicago, 67-69; PROF. CRIMINOLOGY, CALIFORNIA, BERKELEY, 70- Carnegie fel., law sch., Harvard, 65-66; task force dir. demonstration, protest & group violence, Nat. Cmn. on Causes & Prev. Violence, 68. Consult. Internal Revenue Serv., 59-60; Law & Soc. Center, Calif., 62; crime cmn., Kerner Cmn. U.S.A., 57, Res., 57-; 1st Lt. Sociol. Asn. Soc. Study Social Probs. Sociology of law; effect of stated norms, religious and legal, upon human behavior and values; organization of coercive and normative systems to achieve compliance. Publ: Justice without trial, Wiley, 66; Politics of protest, Ballantine, 69; Scientific theory and scientific evidence, Yale Law J. Address: Dept. of Criminology, University of California, Berkeley, Calif. 94720.
- SKOUG, DR. KENNETH NORDLY, Jr. Political Science. See L-Z Vol. 11th ed, Soc. & Behav. Vols. New position: Dep. dir., 69-, Office of German Affairs, U.S. Dept. of State, Washington, D.C. 20025.
- SKRALY, EMILE B. Economics. See L-Z Vol. 11th ed, Soc. & Behav. Vols. New position: Prin. economist, manpower prog. res. & eval., N.Y. State Div. Employ., 69- Address: 194 Lenox Ave., Albany, N.Y. 12208.
- SLADE, DR. COLIN M (CINTOSH). Clinical Psychology. See L-Z Vol. 11th ed, Soc. & Behav. Vols. New position: Chief psychologist, Vet. Admin. Out-patient Clinic. Address: 4429 S.E. 28th, Portland, Ore. 97202.
- SLAGLE, DR. ROBERT O (AKLEY). Strategic Studies, Military History. See 5th ed, Dir. Am. Scholars, Vol. I, Hist.
- SLAKTER, PROF. MALCOLM J (JULIAN). Educational Statistics. See L-Z Vol. 11th ed, Soc. & Behav. Vols. New position: Prof. State Univ. N.Y., Buffalo, 69- Address: 179 Capen Blvd, Eggertsville, Buffalo, N.Y. 14226.
- SLAMECKA, DR. VLADIMIR. Information Science. See 11th ed, Phys. & Biol. Vols.
- SLATER, DR. BARBARA R. b. Potsdam, N.Y., Feb. 18, 34. PSYCHOLOGY. B.A., St. Lawrence, 55, M.Ed., 59; Ph.D. (psychol.), Columbia, 66. Teacher, secondary schs., 55-62; sch. psychologist, Pelham Mem. High Sch., 66-70; ASST. PROF. PSYCHOL., HOUSTON, 68- Psychol. Asn. Effects of noise on task performance of children; auditory discrimination in primary school children; perceptual development in children. Publ: Effects of noise on pupil performance, J. Ed. Psychol., 58: 239-243 & Perceptual development of the kindergarten level, J. Clin. Psychol. (in press). Address: Dept. of Psychology, Hofstra University, Hempstead, N.Y. 11550.
- SLATIN, DR. GERALD T, b. Indianapolis, Ind., Dec. 9, 33; m. 56; c. 3. SOCIOLOGY. A.B., Indiana, 56, M.A., 64, Ph.D. (sociol.), 67. Asst. sociol., Indiana, 60-61, res. comput. center, 61-63, teaching asst. SOCIOL., 63-66; ASST. PROF. CALIFORNIA, LOS ANGELES, 66- U.S.N.R., 56-59, Lt. (jg). AAAS: Sociol. Asn. Sociology of deviant behavior and the experimental analysis of simulated non-conformity in small group situations in the laboratory; statistical applications in sociology and research methodology. Publ: Sources of variation in United States city crime, 1950 and 1960, J. Res. Crime & Delinquency, 7/64; Ecological analysis of delinquency: aggregation effects, Am. Sociol. Rev., 12/69. Address: Dept. of Sociology, University of California, Los Angeles, Calif. 90024.
- SLATTERY, VERY REV. KENNETH F, C.M. Philosophy. See 5th ed, Dir. Am. Scholars, Vol. IV, Philos. Relig. & Law.
- SLATTERY, THEODORE BURNELL. Management Sciences, Operations Research. See Suppl. V to 11th ed, Phys. & Biol. Vols.

- SLAWSON, DR. JOHN. Social Psychology. See L-Z Vol, 11th ed, Soc. & Behav. Vols. New information: Emer. exec. v.pres, Am. Jewish Cent. Inst. Human Rel., 67- Address: 19 E. 88th St, New York, N.Y. 10028.
- SLECHTA, PROF. DONALD B(JENAMIN). Political Science, Law. See L-Z Vol, 11th ed, Soc. & Behav. Vols. New information: J.D. Washburn, 69. Prof, 69-, chmn, 70-, Dept. of Political Science, Ft. Hays Kansas State College, Hays, Kans, 67602.
- SLEEPER, DR. DAVID C. b. Concord, N.H., Jan. 12, 27; m. 58; c. 4. MARKETING MANAGEMENT. B.B.A., Toledo, 57, M.B.A., 58; assistantship & Ph.D.(mkt. mgmt. & econ), Ohio State, 65. Asst. prof. Mkt. State, 60-64; mkt. & econ, SOUTH FLORIDA, 64-66. ASSOC. PROF. MKT, 66-, CHMN. DEPT. 68- U.S.N., 44-45. Mkt. Asn; Sales & Mkt. Execs. Int. Market studies; customer and firm images; operational guidance of marketing and advertising programs; marketing education; use of computer as a problem solving educational tool. Address: Dept. of Marketing, College of Business Administration, University of South Florida, Tampa, Fla. 33620.
- SLESINGER, PROF. REUBEN E. Economics. See L-Z Vol, 11th ed, Soc. & Behav. Vols. New information: Also assoc. dean arts & sci, University of Pittsburgh, 1028H Cathedral of Learning, Pittsburgh, Pa. 15213.
- SLICE, PROF. LESLIE F. b. Leedey, Okla, Dec. 3, 08; m. 35; c. 4. AGRICULTURAL ECONOMICS. B.S. Okla. State, 37; Illinois, 41-42. Extension economist, Okla. State, 39-41; EXTEN. ECONOMIST & PROF. AGR. ECON, ILLINOIS, URBANA, 42- Economic trends in grain industry—transportation, prices, futures, country elevator management. Address: R.R. 3, Champaign, Ill. 61820.
- SLICK, DR. MAX HARRELL. Geography. See L-Z Vol, 11th ed, Soc. & Behav. Vols. New information: No longer head, Dept. of Geography, Kutztown State College, Kutztown, Pa. 19530.
- SLIGER, DR. BERNARD FRANCIS. Economics. See L-Z Vol, 11th ed, Soc. & Behav. Vols. New position: Exec. dir., 69-, Louisiana Coordinating Council for Higher Education, Box 44362, Capitol Station, Baton Rouge, La. 70804.
- SLOAN, DR. LEE, b. Oilton, Okla. Mar. 2, 36; m. 59; c. 3. SOCIOLOGY. B.A. Sacramento State Col. 61; M.A. Mich. State, 63, Ph.D.(sociol), summer 68. U.S.A., 55-57. PROF. SOCIOLOGY, FLA. STATE, 67- Vis. asst. prof, Hawaii, summer 68. U.S.A., 55-57. Soc. Asn. Publ. The black beetle. In: Urban government. Free Press, 69; Good government and the politics of race, Soc. Probs. J, fall 69. Address: Dept. of Sociology, Florida State University, Tallahassee, Fla. 32306.
- SLOBODIN, PROF. RICHARD. Anthropology. See L-Z Vol, 11th ed, Soc. & Behav. Vols. New position: Prof. 69-, Dept. of Sociology & Anthropology, McMaster University, Hamilton, Ont, Can.
- SLOCUM, DR. JOHN W. JR. b. New York, N.Y. Sept. 3, 40; m. 64; c. 1. ORGANIZATIONAL BEHAVIOR, MANAGEMENT. B.B.A., Westminster Col, 62; M.B.A. Kent State, 64; D.B.A. Washington (Seattle), 67. Indust. rels. staff rep. B.F. Goodrich Co, 63-64; staff assoc. to dean bus. Washington (Seattle), 65-67; asst. prof. MGT, PA. STATE, 67-69. ASSOC. PROF. 69- Instr. Seattle Univ, 66; v.pres. & consult, Mkt. Syst. Anal, 67-; res. fel, Stanford Steel Corp. & Gulf Oil Found. res. grant, 68-; Nat. Sci. Found. fel. impact of comput. on behav. sci, 69. Relationship between satisfaction with environmental work factors and their effect on productivity and social control in industrial enterprises; behavioral consequences of social class membership on consumer decisions. Publ: Co-auth, The management of scientific manpower, Mgt. Sci, 4/68; auth, Group cohesiveness: a salient factor affecting students' academic achievement in a collegiate environment, Int. J. Ed. Sci, fall 68; co-auth, Social class and commercial bank credit usage, J. Mkt, 1/69. Address: Dept. of Management, College of Business Administration, Pennsylvania State University, University Park, Pa. 16802.
- SLONIM, MORRIS J(AMES). Statistics. See L-Z Vol, 11th ed, Soc. & Behav. Vols. New information: Retired, 69. Address: 1501 Belmont Dr, Orlando, Fla. 32806.
- SLOTKIN, ELIZABETH J(OSEPHINE). Statistics, Economics. See L-Z Vol, 11th ed, Soc. & Behav. Vols. New position: Ment. health res. supr, III. Dept. Ment. Health, 65- Address: 5512 Woodlawn Ave, Chicago, Ill. 60637.
- SLOVIC, DR. (STEWART) PAUL, b. Chicago, Ill, Jan. 26, 38; m. 59; c. 3. EXPERIMENTAL PSYCHOLOGY. B.A. Stanford, 59; M.A., Michigan, 62, Ph.D.(psychol), 64. RES. ASSOC. ORE. RES. INST, 64- AAAS; Psychol. Asn; Psychonomic Soc. Experimental study of human judgment, decision process and risk-taking. Publ: Co-auth, The importance of variance preferences in gambling decisions, J. Exp. Psychol, 78: 646-654. The relative importance of probabilities and payoffs in risk-taking, J. Exp. Psychol. Monogr. Suppl, Vol. 78, No. 3; auth, Analyzing the expert judge: a descriptive study of a stockbroker's decision process, J. Appl. Psychol, 53: 255-263; plus others. Address: Oregon Research Institute, P.O. Box 3196, Eugene, Ore. 97403.
- SMALL, PROF. GEORGE L. b. Malden, Mass, Mar. 27, 24. GEOGRAPHY. B.A. Brown, 50, M.I.A. Columbia, 52, Ph.D.(geog), 68; Rotary Found. fel, Geneva, Switzerland, 52-53. Instr. Judson Sch, Ariz, 55-61; Phoenix Country Day Sch, 61-62; lectr. GEOG, Hunter Col, 64-68; PROF, RICHMOND COL. (N.Y.), 68- U.S.A., 42-46. Am. Geog. Soc. Asn. Am. Geog. Catecan conservation, man's use of fjord lands of the world. Publ: The blue whale, Columbia Univ, 70. Address: Dept. of Geography, Richmond College, 130 Stuyvesant Place, Staten Island, N.Y. 10301.
- SMALL, DR. IVER FRANCIS, b. Saak, Sept. 19, 23; U.S. citizen; m. 54; c. 4. ACADEMIC PSYCHIATRY. B.A. Saskatchewan, 51; M.D. Manitoba, 54; M.S., Michigan, 60. Asst. prof. psychiat, med. sch, Oregon, 60-62; sch. med, Washington (St. Louis), 62-65; assoc. prof. PSYCHIAT, MED. CENTER, INDIANA, INDIANAPOLIS, 65-69, PROF, 69-; ASST. SUPT, LARUE D. CARTER MEM. HOSP., 65- Consult, Indianapolis Vet. Admin. Hosp, 66-; Am. Med. Asn. Coun. on Drugs, 67. Dipl. psychiat, Am. Bd. Neurol. & Psychiat, 59. AAAS; fel. Psychiat. Asn.(cert. ment. hosp. adminstr, 64); Asn. Res. Nerv. & Ment. Disease (sec, 68); Soc. Biol. Psychiat.(asst. secy, 70). The predictive validity of the psychiatric history; the relationship of the data of the psychiatric history to the neurophysiological variables of mental disorders. Publ: Ed. Outline guides for medical history taking, Ind. Univ. Med. Center, 68 & Introduction to the clinical history, Med. Exam. Pub. Co, Inc, 70; co-auth, The fate of the mentally ill physician, Am. J. Psychiat, 4/69. Address: Dept. of Psychiatry, Indiana University School of Medicine, Indianapolis, Ind. 46202.
- SMALL, DR. JOYCE G. Psychiatry. See Suppl. V to 11th ed, Phys. & Biol. Vols.
- SMALLEY, DR. NEAL S(TUART). b. Alhambra, Calif, Apr. 5, 41; m. 67. THEORETICAL & SOCIAL PSYCHOLOGY. A.B. Southern California, 63; Nat. Defense Ed. Act fel, Claremont Grad. Sch, 63-66, M.A., 65, Haynes Found. fel, 66-67, Ph.D.(psychol), 67. Instr. PSYCHOL, Mt. San Antonio Col. (Calif), 66-67; ASST. PROF, Thiel Col, 67-70; STATE UNIV. N.Y. COL. PLATTSBURGH, 70- Psychol. Asn. Psychological theory construction; history of psychology; social psychology; cognitive processes; interpersonal perception. Address: Dept. of Psychology, State University of New York College at Plattsburgh, Plattsburgh, N.Y. 12903.
- SMALLWOOD, PROF. FRANK. Political Science. See L-Z Vol, 11th ed, Soc. & Behav. Vols. New information: Chmn. soc. sci. div. & assoc. dean faculty, 68-, Dartmouth College, Hanover, N.H. 03755.
- SMARDAN, DR. LAURENCE E(UGENE). Child Psychology, Family Relations. See L-Z Vol, 11th ed, Soc. & Behav. Vols. New information: Also asst. dean, 69-, School of Professional Studies, Fresno State College, Fresno, Calif. 93726.
- SMART, DR. DAVID WAYNE, b. Rexburg, Idaho, May 9, 39; m. 67. PSYCHOLOGY. B.A., Brigham Young, 64; M.A., Utah, 67, Ph.D.(counseling psychol), 69. Consultant. clin. psychol, Utah State Dept. Health, 67-69; ASST. PROF. STUDENT PERSONNEL-COUNSELING, NORTHERN COLORADO, 69- U.S.A.R., 56-64. Emotional problems of college students. Address: 903 19th St, Apt. 7, Greeley, Colo. 80631.
- SMART, DR. MOLLIE STEVENS, b. Chatham, Ont, Apr. 11, 16; U.S. citizen; m. 39; c. 3. CHILD DEVELOPMENT, FAMILY RELATIONS. A.B., Toronto, 36; Merrill-Palmer Inst, 36-37; M.A., Michigan, 41; Fulbright scholar, India, 66-67; Ph.D.(ed), Delhi, 69. Faculty mem. psychol, Merrill-Palmer Inst, 37-41; clin. psychologist, Consultation Bur, Mich, 41-42; RES. & WRITING, Child-time research, 42-44; child development & family rels, Cornell, 45-50; part-time assoc. prof., Rhode Island, 53-; coordinator col. year in India prog., Wisconsin, 67-68. Head Start consult. Off. Econ. Opportunity, 65-66. Psychol. Asn; Home Econ. Soc.; Soc. Res. Child Develop. Personality development in Indian adolescents. Publ: Co-auth, Living and learning with children, 49, 56 & 61 & Living in families, 58-65, Houghton & Children: development and relationships, Macmillan, 67. Address: Dept. of Child Development & Family Relations, University of Rhode Island, Kingston, R.I. 02881.
- SMEAD, PROF. ELMER E(MANUEL). Political Science. See L-Z Vol, 11th ed, Soc. & Behav. Vols. New information: Emer. prof, 70-, Dept. of Government, Dartmouth College, Hanover, N.H. 03755.
- SMEETON, PROF. CECIL BROOKS. Marketing. See L-Z Vol, 11th ed, Soc. & Behav. Vols. New position & address: Prof, 68-, Dept. of Business Administration, Lake Superior State College, Ontario Hall, Sault Ste. Marie, Mich. 49783.
- SMILLIE, PROF. DAVID. Psychology. See L-Z Vol, 11th ed, Soc. & Behav. Vols. Change of address: Social Sciences Division, New College, Sarasota, Fla. 33578.
- SMITH, DR. ALLAN H(ATHORN). Anthropology. See L-Z Vol, 11th ed, Soc. & Behav. Vols. New information: Also acad. v.pres, 69-, Washington State University, Pullman, Wash. 99163.
- SMITH, PROF. ANTHONY J(OSEPH). Psychology. See L-Z Vol, 11th ed, Soc. & Behav. Vols. New information: No longer chmn. dept. psychol, Kansas, 69-, continuing as prof. psychol; vis. prof. Univ. Tel Aviv, Israel, 69. Address: Dept. of Psychology, University of Kansas, Lawrence, Kans. 66044.
- SMITH, DR. ARTHUR E(DWARD). Educational Psychology. See L-Z Vol, 11th ed, Soc. & Behav. Vols. New position & address: V.pres, 68-, American College Testing Program, Box 168, Iowa City, Iowa 52240.
- SMITH, DR. (ARTHUR) LAMONT. Criminology. See L-Z Vol, 11th ed, Soc. & Behav. Vols. New position: Dep. dir, Ariz. State Dept. Corrections, 69- Address: 3805 N. 28th St, Phoenix, Ariz. 85016.
- SMITH, PROF. BARNARD ELLIOT. Engineering, Management. See Suppl. VI to 11th ed, Phys. & Biol. Vols.
- SMITH, DR. BARRY D(ECKER). b. Harford, Pa, June 12, 40; m. 63; c. 2. PSYCHOLOGY. B.S. Pa. State, 62; M.A., Bucknell, 64; U.S. Pub. Health Serv. fel, Massachusetts, 66-67, Ph.D.(psychol), 67. ASST. PROF. PSYCHOL, MARYLAND, 67. Univ. Maryland Gen. Res. Bd. & Biomed. Sci. Bd. grants, 67-68; U.S. Pub. Health Serv. grant, 68-69. Psychol. Asn; Psychonomic Soc. Parameters of psychophysical habituation; psychophysiological correlates of personality variables; general and failure anxiety; conflict. Publ: Co-auth, Motivation, McGraw, 67; Theoretical approaches to personality, 70 & Personality theory: a source book, 70. Appleton. Address: Dept. of Psychology, University of Maryland, College Park, Md. 20740.

- SMITH, DR. BLAIR JOSEPH, b. Belle Vernon, Pa., Jan. 20, 30; m. 53; c. 5. ECONOMICS. B.S., Pa. State, 53, M.S., 58; Ph.D. (econ), N.C. State, 68. Asst. res., Pa. State, 57-58; instr. res. poultry econ., Connecticut, 58-59; asst. res., N.C. State, 59-62; asst. prof. RES. DAIRY ECON., Florida, 62-68; ASSOC. PROF., GEORGIA, 68- Mem. N.Cent. Regional Seminar Cmt. Nat. Dairy Price Income Policy, 69- U.S.N., 53-57, Lt. Agr. Econ. Asn.; Int. Asn. Agr. Econ. Milk production and marketing economics. Publ: Co-auth, Simplified least-cost feed formulation procedures, Pa. Agr. Exp. Sta., 59; auth, A summary of 1962 costs and returns and an economic description of wholesale dairy farms in the Tallahassee, Florida milk marketing area, Univ. Florida, 64; The dairy cow replacement problem and the determination of optimal replacement policies, Dissertation Abstracts, 4/68. Address: Dept. of Agricultural Economics, University of Georgia College of Agriculture Experiment Stations, George Station, Experiment, Ga. 30212.
- SMITH, PROF. CALEB A(LLEN). Economics. See L-Z Vol, 11th ed, Soc. & Behav. Vols. New position: Prof. & chmn, 69-, Dept. of Economics, South-eastern Massachusetts University, Dartmouth, Mass. 02747.
- SMITH, DR. CAROLE ROBINSON. Social Psychology. See L-Z Vol, 11th ed, Soc. & Behav. Vols. New position & address: Lectr., 69-, Norwalk Community College, 300 Highland Ave., Norwalk, Conn. 06854.
- SMITH, DR. CHARLES E. Forensic Psychiatry. See Suppl. V to 11th ed, Phys. & Biol. Vols.
- SMITH, DR. CHARLES (EDGAR), b. Silver City, N.Mex., Jan. 26, 37; m. 59; c. 2. PSYCHOLOGY. B.S., Illinois, 57; M.A., Western New Mexico, 63; Ph.D. (counseling), Wyoming, 66. Teacher, pub. schs., N.Mex., 57-58; staff instr., U.S. Naval Sch. Music, D.C., 59-62; teacher & counsr., pub. schs., N.Mex., 62-64; mem. student personnel staff, Wyoming, 64-66; from asst. prof. to assoc. prof., counseling & guid., West Virginia, 66-69, coasr. & proj. dir. voc. rehab. regional res. training center, 67-69; COORDINATOR PLANNING & DEVELOP. MT. STATES REGIONAL MED. PROG., WEST. INTERSTATE CMN. HIGHER ED., 69- Instr., Western New Mexico, 62-64; vis. prof., Auburn, summer 66. U.S.A., 58-62, Sgt. Ed. Res. Asn.; Personnel & Guid. Asn. Structure and function of data in therapeutic interpretation and diagnostic processes; conceptualization of evaluation of educational programs and systems. Publ: Guidance: foundations and services, W.C. Brown, 67; Site effects in psychological testing, Regional Res. & Training Center Voc. Rehab., West Virginia Univ., 69; co-auth, Foundations of guidance and counseling: multidisciplinary readings, Lippincott, 69. Address: 10070 Los Ranchitos Dr., Boise, Idaho 83705.
- SMITH, DR. CHARLES W., b. Providence, R.I., Oct. 9, 38; m. 63. SOCIOLOGY. B.A., Wesleyan, 60; M.A., Brandeis, 63, Ph.D. (sociol), 66. Instr. SOCIOL., Simmons Col., 64-65; ASST. PROF., QUEENS COL. (N.Y.), 65- Sociol. Asn.; Acad. Polit. & Soc. Sci. Experimental laboratory research in sociology of knowledge. Publ: Sociology today and tomorrow, Ararat, 67. Sociology and subjective phenomena, Bucknell Rev., 69. Address: Dept. of Sociology, Queens College, Flushing, N.Y. 11367.
- SMITH, DR. CHRISTOPHER CARLISLE. Population Ecology. See Suppl. V to 11th ed, Phys. & Biol. Vols.
- SMITH, DR. COLIN Mc(CHERSON). Psychiatry. See L-Z Vol, 11th ed, Soc. & Behav. Vols. New information: Exec. dir. psychiat. serv., Sask. Dept. Pub. Health, 69-; clin. assoc. prof. psychiat., Saskatchewan, 69- Address: Psychiatric Services, Saskatchewan Dept. of Public Health, Provincial Health Bldg., Regina, Sask., Can.
- SMITH, DR. COURTLAND L., b. Hartford, Conn., Nov. 8, 39; m. 61; c. 2. ANTHROPOLOGY. B.M.E., Rensselaer Polytech. Inst., 61; fed. grant, Arizona, 67-68, Ph.D. (anthrop), 68. Test engr., Pratt & Whitney Aircraft Div., United Aircraft Corp., Conn., 61-62; res. asst., bur. ethnic res., Univ. Arizona, 65-68; ASST. PROF. ANTHROP., Carnegie-Mellon Univ., 68-69; OREGON STATE, 69- Fed. grant, 69-70, U.S.A., 62-64, 1st Lt. Fel. Anthropol. Asn. Man and marine environment; water resource development; complex societies; urbanization; outdoor recreation. Publ: The Salt River project of Arizona: its organization and integration with the community, Univ. Microfilms, 68; co-auth, Water and culture: new decision rules for gold institutions, Rocky Mt. Soc. Sci., 4, 10/68 & Land, water and social institutions, In: Arid lands in perspective, Univ. Arizona, 69. Address: Dept. of Anthropology, Oregon State University, Corvallis, Ore. 97331.
- SMITH, PROF. DAN T(HROOP). Finance. See L-Z Vol, 11th ed, Soc. & Behav. Vols. Change of address: Graduate School of Business, 250H, Stanford, Calif. 94305.
- SMITH, DR. DAVID B(ERL) D(EAN). Psychology. See L-Z Vol, 11th ed, Soc. & Behav. Vols. New information: Lectr., inst. aerospace safety & mgt., Southern California, 68- Address: 2321 W. 164th St., Gardena, Calif. 90247.
- SMITH, DEAN DAVID DUNCAN. Psychology. See L-Z Vol, 11th ed, Soc. & Behav. Vols. New information: Also dean faculty arts, 69-, Bishop's University, Lennoxville, Que. Can.
- SMITH, DR. DAVID HORTON. Sociology. Psychology. See L-Z Vol, 11th ed, Soc. & Behav. Vols. New information: Assoc. res. prof. inst. human sci. & assoc. prof. sociol., Boston Col., 69- Address: Boston College, McGuinn Hall, Chestnut Hill, Mass. 02167.
- SMITH, DR. DAVID L., b. Berwinstown, Pa., Oct. 24, 31. CLINICAL PSYCHOLOGY. B.S., St. Mary's Col., 55; S.T.L., Fribourg, 59; M.A., Duquesne, 61; Ph.D. (psychol.), Montreal, 68. Instr. psychol., Duquesne, 61-62, res. & counseling, 64-65, acting assoc. chmn. dept. psychol., 65-66; psychologist, Somerset State Hosp., Pa., 67-68; asst. prof. psychol., POINT PARK COL., 68-69, CHMN. DEPT. BEHAV. SCI., 69- Psychol. Asn. Philosophical foundations of psychology; empirical phenomenology. Address: Dept. of Behavioral Sciences, Point Park College, Wood St. & Blvd. of the Allies, Pittsburgh, Pa. 15222.
- SMITH, DR. DENNIS E. Statistics, Mathematics. See Suppl. VI to 11th ed, Phys. & Biol. Vols.
- SMITH, PROF. EDWARD K(ERSHAW). Economics. See L-Z Vol, 11th ed, Soc. & Behav. Vols. New position & address: V-pres., 70-, National Bureau of Economic Research, 261 Madison Ave., New York, N.Y. 10016.
- SMITH, DR. EDWIN B., b. Milwaukee, Wis., Aug. 17, 37; m. 60; c. 2. PSYCHOLOGY. B.S., Carroll Col., 61; M.S., Indiana, 61; Ph.D. (student personnel), Kent State, 65. Res. counselor, Kent State, 61-64, asst. to dean, 64-65; asst. dean men, ILLINOIS STATE, 65-66, acting dean men, 66-67, dean men, 67-68, DEAN STUDENTS, 68-, ASST. PROF. PSYCHOL., 67-, ed. 65-67. Soc. Psychol. Study Social Issues; Nat. Coun. Measurement in Ed; Asn. Higher Ed. Student personnel work; student attitudes and characteristics; adolescent psychology; theories of adolescence. Address: 617 N. School St., Normal, Ill. 61761.
- SMITH, PROF. ETHEL SABIN. Psychology. See L-Z Vol, 11th ed, Soc. & Behav. Vols. Change of address: 5203 Alum Rock Ave., San Jose, Calif. 95127.
- SMITH, DR. EWART E(ARLE). Social Psychology. See L-Z Vol, 11th ed, Soc. & Behav. Vols. Change of address: Serendipity, Inc., 15433 Ventura Blvd., Sherman Oaks, Calif. 91403.
- SMITH, FRANK ELLIS. American History, Political Science. See 5th ed, Dir. Am. Scholars, Vol. I, Hist.
- SMITH, DR. FREDERICK JOHN, b. Trumansburg, N.Y., Aug. 8, 36; m. 59; c. 2. MARINE ECONOMICS. B.S., Cornell, 58; M.S., Okla. State, 62; Ph.D. (agr. econ), N.C. State, 64. Teacher, Trumansburg Sch. Dist., N.Y., 58-60; res. asst. agr. econ., Okla. State, 61-62; mkt. specialist, N.C. State, 62-63, res. asst. agr. econ., 63-64; farm mgt. specialist, OREGON STATE, 64-68 ASSOC. PROF. AGR. ECON. & MARINE ECONOMIST, 68- Mem. Nat. Coord. Cmt. on Use of Electronic Data Processing in Farm Mgt., 67-69. Agr. Econ. Asn.; Fisheries Soc. Application of computer science in management; economic condition and efficiency of seafood industry people; relative economic analysis of resource combinations in peach harvesting and packing, N.C. State Univ., 66; The computer, a new management tool, Ore. State Univ., 67; co-auth, Farm Business management, Macmillan, 70. Address: Dept. of Agricultural Economics, Oregon State University, Corvallis, Ore. 97331.
- SMITH, DR. GEORGE LEONARD, JR., b. Bellefonte, Pa., Sept. 6, 35; m. 62; c. 2. INDUSTRIAL & HUMAN FACTORS ENGINEERING. B.S., Pa. State, 57; M.S., Lehigh, 59 & 67; Nat. Sci. Found. fel., Okla. State, 67-68, Ph.D. (indust. eng.), 69. Instr. INDUST. ENG., Pa. State, 58-59; Lehigh, 59-67; res. asst., Okla. State, 67-68; ASST. PROF., OHIO STATE, 68- Job analyst, Air Prod. & Chem. Inc., 69-60, sys. engr., Frankford Arsenal, 63. Human factors consult., West. Elec. Co., 64, 68; salary admin. consult., Air Prod. & Chem. Inc., 67. Inst. Indust. Eng.; Soc. Eng. Ed.; Human Factors Soc. Man-machine systems performance, especially manufacturing systems and automobile driving. Address: Dept. of Industrial Engineering, Ohio State University, Columbus, Ohio. 43210.
- SMITH, PROF. GEORGE RALPH. Economics. See L-Z Vol, 11th ed, Soc. & Behav. Vols. New position: Dean col. bus. admin., Loyola (La.), 68- Address: 1025 Wiegand Dr., Westwego, La. 70094.
- SMITH, DR. HERBERT LAVON, b. MacArthur, Ohio, May 29, 35; m. 56; c. 3. SOCIOLOGY. B.S., Houston, 57, M.A., 62; Ph.D. (sociol.), Wisconsin, 67. Asst. SOCIOL., Wisconsin, 59-63; asst. prof., WESTERN MICHIGAN, 63-68, ASSOC. PROF., 69- Res. assoc., Grand Rapids Pub. Schs., Mich., & center ed. studies, Western Michigan Univ., 69-; summer vis. prof., Houston, 67, 68. Family life ed. consult., Portage Pub. Schs., Mich., 68-; mem. & participant, Mich. Gov. Conf. Youth & Strengthening Family, 64, 66. Sociol. Asn.; Nat. Coun. Family Rel.; Rural Sociol., 69-; Soc. Sci. Study Rel. Marriage and family interaction, especially marriage adjustment and spousal satisfaction and family integration and solidarity; parent child relations as related to personality development and academic achievement; sociology of education. Publ: Task performance and decision-making patterns, In: Book of text and readings, Allyn & Bacon, 69. Address: Dept. of Sociology, Western Michigan University, Kalamazoo, Mich. 49001.
- SMITH, PROF. HOWARD FRANK, b. Detroit, Mich., June 17, 18; m. 41; c. 2. ECONOMICS. A.B., Wayne State, 40; M.B.A., Harvard, 42; M.A., American Univ., 52, Ph.D. (econ), 63. Economist, War Prod. Bd., 42-43; Supreme Comdr., Allied Powers, Japan, 45-50; econ. adv., Civil Admin., Ryukyu Islands, 50-51; int. economist, U.S.A., State 56-57; for. serv. officer, U.S. For. Serv., Thailand, 56-58, Ceylon, 59-61, Wash., 61-64, Congo, 64-66; PROF. ECON., CALIF. STATE POLYTECH. COL., SAN LUIS OBISPO, 68- U.S.A., 43-45, Capt. Econ. Asn. Economic development; African and Latin American economies. Publ: Food controls in occupied Japan, Agr. Hist., 7/49; Economy of the Ryukyu Islands, Far East Surv., 5/51. An analysis of Ceylon's five year development plan, Am. Economist, summer 64. Address: Dept. of Economics, California State Polytechnic College, San Luis Obispo, Calif. 93401.
- SMITH, DR. JEAN P(AUL). Psychology. See L-Z Vol, 11th ed, Soc. & Behav. Vols. New position: Asst. dir. joint prog. psychopharmacol., criminol. & community psychol., inst. student human probs., Stanford, 69. Address: 427 Traverso Ave., Los Altos, Calif. 94305.
- SMITH, DR. JAMES MARVIN. Philosophy. See 5th ed, Dir. Am. Scholars, Vol. IV, Philos. Relig. & Law.
- SMITH, DR. JESSE, b. New York, N.Y., Dec. 26, 31; m. 62. EXPERIMENTAL PSYCHOLOGY. B.A., N.Y. Univ., 54; Dallenbach fel., Cornell, 60-61, Sage fel., 67-68, Ph.D. (exp. psychol.), 70. Field res. dir., State Charities Aid Assn., Soc. Welfare Proj., 61-64; lectr., PSYCHOL., QUEENS COL. (N.Y.), 64-67; ASST. PROF., CITY COL. NEW YORK, 69- Sig. C., U.S.A., 54-56. Human percep-

tion, attention and cognition. Publ: Co-auth, Casework service to chronically dependent multiproblem families: a research demonstration, Soc. Sci. Rev. 37: 33-40, Comparison of meaningfulness and pronouncability as grouping principles in the perception and retention of verbal material, J. Exp. Psychol. 87 & The study: methodology and findings, In: The multi-problem dilemma, Scarce, 68. Address: Dept. of Psychology, City College of New York, New York, N.Y. 10031.

SMITH, JIMMIE LEE. Mechanical Engineering, Mathematics. See Suppl. V to 11th ed, Phys. & Biol. Vols.

SMITH, DR. L. (ANGFORD) WHEATON, JR. Business Administration, Computers. See L-Z Vol, 11th ed, Soc. & Behav. Vols. New position: Mgr, appl. prog. test, Int. Bus. Mach. Corp, 69- Address: 243 Ely Place, Palo Alto, Calif. 94306.

SMITH, DR. LEE (HERMAN). Statistics, Operations Research. See L-Z Vol 11th ed, Soc. & Behav. Vols. New position: Prof. & chmn, 69-, Dept. of Quantitative Management Science, University of Houston, Houston, Tex. 77004.

SMITH, DR. LEO ANTHONY. Industrial Engineering. See Suppl. VI to 11th ed, Phys. & Biol. Vols.

SMITH, DR. LOUIS MURDOCK, JR. b. Raleigh, N.C., July 22, 18; m. 45; c. 2. AGRICULTURAL ECONOMICS. B.S. N.C. State Col, 38, Ph.D. (agr. econ), 52; M.S. Va. Polytech, 39; Non Car. 45-49. Asst. dir. State, 50-54. Polytech, 38-39; instr. agr. econ, N.C. State Col, 48-49; res. economist, Bur. Agr. Econ. U.S. DEPT. AGR., 49-50, for. affairs officer, For. Agr. Serv., 50-67; PRIN. AGR. ECONOMIST, COOP. STATE RES. SERV., 67- U.S. DEPT. Agr. cert. of merit, 57. U.S.A. 40-45, Capt. Agr. Econ. Assn. World agricultural production, trade and development; United States agricultural production and marketing economics research and administration. Address: 1113 Westbriar Dr, N.E. Vienna, Va. 22180.

SMITH, DR. LUKE M (ADER). Sociology. See 11th ed, Soc. & Behav. Vols, deceased 68.

SMITH, DR. M. ESTELLIE. Anthropology. See L-Z Vol, 11th ed, Soc. & Behav. Vols. New position & address: Assoc. prof., 70-, Dept. of Anthropology, State University of New York Brockport, Brockport, N.Y. 14420.

SMITH, DR. M. GLENN. Experimental Psychology. See L-Z Vol, 11th ed, Soc. & Behav. Vols. New position & address: Asst. prof, Dept. of Psychology, Allegheny College, Meadville, Pa. 16335.

SMITH, DR. MANUEL, b. New York, N.Y., Jan. 27, 34; m. 62. CLINICAL PSYCHOLOGY. B.A. San Diego State Col, 59, M.S. 60; Ph.D. (psychol), California, Los Angeles, 66. Psychologist, U.S. Navy Electronics Lab, Calif., 58-60; res. asst. psychol., ALABAMA, LOS ANGELES, 60-64; res. psychol., 64-66; asst. prof. psychol., 67-69, CLIN. TRAINING FEL. CLIN. PSYCHOL., 69-. clin. scholar, 68-70. U.S.A. 54-56. Psychol. Assn; Soc. Psychophysiol. Res. Psychophysiological concepts and techniques applied to clinical problems, phobias, obsessions, compulsions and general psychotherapy. Publ: Co-auth, Learning in a minimal social situation, Psychology Reports, 62 & Basic electronics, In: Methods and instrumentation in experimental psychology, McGraw, 66. Address: 8712 Wilshire Blvd, Beverly Hills, Calif. 90211.

SMITH, DR. MARIUS C (LARK). b. Flint, Mich. Dec. 29, 35; m. 64; c. 2. EXPERIMENTAL PSYCHOLOGY. B.A. Michigan, 58, M.A., 59; Ph.D. (psychol), Indiana, 66. ASST. PROF. PSYCHOL., STATE UNIV. N.Y. STONY BROOK, 66- Psychol. Assn. Conditioning; learning. Address: Dept. of Psychology, State University of New York at Stony Brook, Stony Brook, N.Y. 11790.

SMITH, DR. MICKEY C. b. Jefferson City, Mo, Dec. 9, 38; m. 60; c. 2. PHARMACY ADMINISTRATION. B.S. St. Louis Col. Pharm., 60, M.S. 62; Ph.D. (pharm. admin), Mississippi, 64. Pharmacist, Brandt Drug Serv., St. Louis, Mo, 60-62; mkt. mgr. Pharmacia Labs, Inc., 64-66; asst. prof. PHARM. ADMIN., MISSISSIPPI, 66-67, assoc. prof., 67-70, PROF., 70-, CHMN. DEPT., 67-. Mkt. Assn; Am. Pharmaceut. Assn; Acad. Pharmaceut. Sci; Soc. Hosp. Pharmacists; Sch. Health Assn; Assn. Col. Pharm. Pharmaceutical sociology; economics and marketing; cost of illness; computerization of health information. Publ: Principles of pharmaceutical marketing, Lea & Febiger, 68; Pharmaceutical marketing: an anthology and bibliography, Williams & Wilkins, 69. Address: Dept. of Pharmacy Administration, School of Pharmacy, University of Mississippi, University, Miss. 38677.

SMITH, DR. PAUL EDWARD. b. Charleston, W.Va, Dec. 23, 41; m. 62; c. 1. SOCIOLOGY. B.A. E.C. State Col, 64; M.A. State Col, 65; Ph.D. (sociol), Washington (Seattle), 69. ASST. PROF. SOCIOLOGY, New Mexico State 69-70; SOUTHERN METHODIST, 70-. U.S.A.R. 60-68, Sgt. Soc. Assn; Law & Society Assn; Soc. Study Social Probs. Sociology of law; deviant behavior; the police; political sociology. Publ: An assessment of the image of sociology, Univ. Washington J. Sociol., 3/69. Address: Dept. of Sociology, Southern Methodist University, Dallas, Tex. 75222.

SMITH, DR. PAUL S (AMUEL). Political Science. See L-Z Vol, 11th ed, Soc. & Behav. Vols. New position: Chancellor, 69-, Whittier College, Whittier, Calif. 90608.

SMITH, DR. PHILIP A (LDEN). Psychology. See L-Z Vol, 11th ed, Soc. & Behav. Vols. Chmn. address: Dept. of Psychology, San Fernando Valley State College, Northridge, Calif. 91324.

SMITH, DR. REED (MEREDITH). Political Science. See L-Z Vol, 11th ed, Soc. & Behav. Vols. New position & address: Prof. & chmn, 69-, Dept. of Political Science, Wright State University, Millett Hall, Col. Glenn Highway, Dayton, Ohio 45431.

SMITH, DR. RICHARD KENT. Experimental Psychology. See L-Z Vol, 11th ed, Soc. & Behav. Vols. New position & address: Assoc. prof., 68-, Dept. of Psychology, Louisiana State University, Lakefront, New Orleans, La. 70122.

SMITH, DEAN ROBERT LONDON. Political Science, Philosophy. See L-Z Vol, 11th ed, Soc. & Behav. Vols. New information: Also dean, 68-, College of Business, Economics & Government, University of Alaska, College, Alaska, 99701.

SMITH, PROF. ROBERT S (DNEY). Economics. See 11th ed, Soc. & Behav. Vols, deceased 69.

SMITH, DR. ROGER C (ROWELL), b. Pittsburgh, Pa, May 28, 37; m. 62. PSYCHOLOGY. B.S. Kentucky, 60, U.S. Pub. Health Serv. fel., 60-64, M.S. 63, Ph.D. (psychol), 67. Intern. clin. psychol., dept. psychology, Univ. Kentucky Med. Center, 64-65; chief clin. psychol. serv., William Beaumont Gen. Hosp., El Paso, Tex., 66-68; CHIEF CLIN. PSYCHOL. & LEARNING PROCESSES RES. & RES. PSYCHOLOGIST, PSYCHOL. LAB, CIVIL AERONAUT. INST., FED. AVIATION ADMIN., 68- Instr., Texas, El Paso, 67-68; adj. asst. prof., sch. med., Oklahoma 68- Consult, Child Treatment Center of El Paso, 67-68; Family Serv. of El Paso, 67- U.S.A. 66-68. AAAS; Psychol. Assn. Human learning processes, especially effect of cognitive variables upon conditioning, extinction and problem solving; assessment of personality and emotional disorder; influence of psychological factors upon aviation safety. Publ: Co-auth, The effects of food deprivation on unreinforced and light reinforced bar pressing, J. Genetic Psychol., 108: 213-218, auth, Preconditioning and extinction response variability under a complex reinforcement contingency, 82: 41-49 & co-auth, Instructional set and the presentation of response alternatives as factors influencing sentence generation, 82: 251-261, J. Gen. Psychol. Address: Psychology Laboratory, Civil Aeronautical Institute, Federal Aviation Administration, Box 25082, Oklahoma City, Okla. 73123.

SMITH, DR. RONALD GLENN. Physiological Psychology. See Suppl. VI to 11th ed, Phys. & Biol. Vols.

SMITH, PROF. RUFUS BURR, b. Montreal, Que., Apr. 6, 12; U.S. citizen; m. 64; c. 3. ECONOMICS. A.B. Princeton, 34; A.M. N.Y. Univ., 37; Ph.D. (econ), 41. Dir. soc. sci. Hofstra Col., 35-39; asst. prof. econ. & asst. pres., Newark, 39-41; dir. econ. res. U.S. Housing Authority, 41-42; economist, War Prod. Bd., 42-43; coord. econ. res. & statist., Supreme Comdr. Allied Powers, Japan, 46; sr. economist, U.S. Dept. State, 47-49; chief econ. sect., U.S. Embassy, Bangkok, 50-52; economic counselor, U.S. Embassy, Karachi, 53-55, officer-in-charge, econ. affairs, U.S. Dept. State, South Asia, 56-58, chargé d'affaires, U.S. Embassy, Colombo, 58-60, economic counselor, New Delhi, 60-62, sr. for. serv. inspector, U.S. Dept. State, 63-67; WILLIAM R. KENAN, JR. ECON. PROF. ROLLINS COL., 67- Adv. U.S. Del. Austrian Treaty, 49; chief negotiator, Tripartite Conf. Econ. Security, 49; U.S. alternate to, or member of, UNCTAD, Asia & Far East, 60-62; ambas., U.S. Karachi, 53-55; mem. U.S. Del. Cent. Treaty Org., 56 & SEATO, 57; rep. U.S. Del. Colombo Plan Org., 58-60; mgt. systs. adp. NASA, Cape Kennedy, 69. U.S.N. 43-45, Lt. Soc. Econ. Develop. International finance and business administration. Address: Dept. of Economics, Box 30, Rollins College, Winter Park, Fla. 32789.

SMITH, DR. THOMAS EWING. Sociology. See L-Z Vol, 11th ed, Soc. & Behav. Vols. New position & address: Asst. prof. sociol., 69-, Dept. of Anthropology & Sociology, University of South Carolina, Columbia, S.C. 29208.

SMITH, DR. THOMAS SPENCE, b. Baltimore, Md. Oct. 8, 41. SOCIOLOGY. B.A. Hopkins, 63; M.A. Chicago, 64; Ph.D. (sociol), 68. ASST. PROF. SOCIOLOGY, MICHIGAN, 67-, Nat. Faculty res. fel., Rackham grad. sch., 68-70. Sociol. Assn. Social stratification; collective behavior; police systems; modernization; systematic theory. Publ: Conventionalization and control, 9/68 & Structural crystallization, status inconsistency and political partisanship, 12/69, Am. J. Sociol. Address: Dept. of Sociology, 3060 B Literature, Science and Arts Bldg., University of Michigan, Ann Arbor, Mich. 48104.

SMITH, DR. TIMOTHY ANDRE, b. La Crosse, Wis., Jan. 9, 37; m. 64; c. 4. PSYCHOLOGY. B.S. Marquette, 58; M.A. North Carolina, 61, Ph.D. (psychol), 63. Asst. prof. psychol., Fla. State, 63-69; ASSOC. PROF. COMMUNITY DENT. & ED. PSYCHOL., KENTUCKY, 69- Res. assoc. comput.-aided instr. lab, Harvard, summer 69. Consult., Harvard & N.Y. Inst. Tech., 68; Duke, 68-69; Eastman Kodak Co., 68-; Minneapolis Honeywell, Inc., 69. Ed. Res. Assn; Psychol. Assn; Nat. Coun. Measurement in Ed. Computer-assisted instruction; statistical methods and psychological measurement; psychology applied to education. Publ: Guest ed., Computer uses in the schools, J. Sch. Psychol., spring 68; co-auth, Structural analysis as an aid in planning an instructional system, J. Ed. Measurement, 68 & College students' attitudes toward computer-assisted instruction, J. Ed. Psychol., 70. Address: University of Kentucky College of Dentistry, Lexington, Ky. 40506.

SMITH, DR. TONY E. b. San Francisco, Calif., Aug. 2, 39. REGIONAL SCIENCE. B.Archit. California, Berkeley, 63; Ph.D. (regional sci.), Pennsylvania, 69. Lectr. REGIONAL SCI. PENNSYLVANIA, 67-69, ASST. PROF., 69- U.S.M.C.R. 58-66. Regional Sci. Assn. Game theory; decision theory; spatial statistics; measurement theory. Address: Dept. of Regional Science, University of Pennsylvania, Philadelphia, Pa. 19104.

SMITH, DR. VINCENT KERRY, b. Jersey City, N.J., Mar. 11, 45; m. 69. ECONOMICS, STATISTICS. A.B. Rutgers, 68, Burns-Marvin fel., 66-67, Ph.D., 70. Mgt. Intern. econ. & statist., aviation econ. div., Port N.Y. Authority, 65; mgt. trainee, N.J. Bell Tel. Co., 66; asst. economet. bur. econ. res., Rutgers, 67-68, econ., 68-69; instr. labor econ., 69; ASST. PROF. QUANT. ANAL. & STATIST., BOWLING GREEN STATE, 69- Chmn. econ. workshop, Rutgers, 68-69. Econ. Assn; Economet. Soc. Monte Carlo studies; small sample properties of simultaneous equation estimators; problem of public allocation of loan funds for college education; consistency of a general class of single equation simultaneous estimators. Publ: The maximization policies of less

- developed exporting countries, winter 69. The disturbing effects of an employer payroll tax, summer 70. Quart. Rev. Econ. & Bus. co-auth. A further note on the cost implications of fluctuating demand, J. Financial & Quart. Anal., 9/70. Address: 1719 Juniper Dr., Apt. 159, Bowling Green, Ohio 43402.
- SMITH, DR. VIRGIL BUSHMAN, b. Lethbridge, Alta., Jan. 4, 25; U.S. citizen; m. 53; c. 3. SOCIOLOGY, SOCIAL PSYCHOLOGY. B.S. Brigham Young, 50, M.S., 54; cert. Utah, 51; Ph.D. (sociol.), Utah State, 68. Soc. worker, Los Angeles and San Francisco Counties, 54-59; ed. The Instructor, Salt Lake City, 59-65; asst. prof. SOCIOLOGY, Cent. Wash. State Col., 66-67; Northeast La. State Col., 67-68; ASSOC. PROF. YOUNGSTOWN STATE, 68-69, res. grant, 69-70. U.S.A.A.F., 43-46. Sociol. Asn.; Int. Commun. Asn. Semantic measures; dynamics of conformity; communication handicaps between regions, ethnic groups and status positions; cognitive dissonance; college relationships; welfare goals and functioning; business and industrial systems and change; urban planning. Publ.: Communication filters, The Instructor, 7/63. Adapting a machine-read question sheet for combined use as a semantic differential scale questionnaire, Ed. & Psychol. Measurement, 68 & Non persuasively induced dissonance-reducing covert altruistic action, Psychol. Reports, 69. Address: Dept. of Sociology, Youngstown State University, Youngstown, Ohio 44503.
- SMITH, DR. WALTER A. b. Broken Arrow, Okla., Apr. 18, 18; m. 42; c. 3. ECONOMICS, STATISTICS. B.S. Tulsa, 40; M.A. Oklahoma, 63; Ph.D. (econ.), 67. ASST. PROF. STATIST., TULSA, 65. U.S.A.F., 41-61, Lt. Col. (Ret). Computer science. Address: Dept. of Economics, University of Tulsa, Tulsa, Okla. 74104.
- SMITH, PRES. WALTER DOUGLAS. Psychology. See L-Z Vol. 11th ed, Soc. & Behav. Vols. New position & address: Pres., 70-, Francis Marion College, Florence, S.C. 29501.
- SMITH, DR. WILLIAM F. Psychology. See L-Z Vol. 11th ed, Soc. & Behav. Vols. New position: Asst. to dir. instrnl. res., 68-, Dept. of Psychology, St. Petersburg Junior College, Clearwater, Fla. 33515.
- SMITH, PROF. WILLIAM M (ARTIN), JR. Sociology. See L-Z Vol. 11th ed, Soc. & Behav. Vols. New position: Prof., rural sociol., Pa. State, 69-. Address: 428 E. Hamilton Ave., State College, Pa. 16801.
- SMITH, DR. WILLIAM REED. Industrial Psychology. See L-Z Vol. 11th ed, Soc. & Behav. Vols. New position: Head dept. psychol., Texas A&M, 68-. Address: 1822 Shadow Wood Dr., College Station, Tex. 77843.
- SMITHBURG, PROF. DONALD WINSTON. Political Science, Public Administration. See L-Z Vol. 11th ed, Soc. & Behav. Vols. New information: Also dir., Division of Social & Behavioral Sciences, University of Alabama at Huntsville, Huntsville, Ala. 35807.
- SMOLINSKY, DR. HAROLD J (AY). Psychology. See L-Z Vol. 11th ed, Soc. & Behav. Vols. New position: Dir. behav. sci., 69-, Edward N. Hay & Associates, 1845 Walnut St., Philadelphia, Pa. 19103.
- SMUCKER, DR. M. JOSEPH, b. Wooster, Ohio, Mar. 5, 34. SOCIOLOGY. B.A., Bluffton Col., 56; M.A., Mich. State, 61, Ph.D. (sociol.), 67. Instr. SOCIOLOGY, Beloit Col., 65-67; ASST. PROF., 67-68; SR GEORGE WILLIAMS, 68- Am. Sociol. Asn.; Can. Sociol. & Anthropol. Asn. Occupational commitment and definitions of social responsibility; comparative studies of industrialization; factors contributing to the acceptance of educational innovations; faculty reactions to student unrest; social conflict. Publ.: Co-auth., Acceptance of new educational practices by elementary school teachers, Ed. Res. Series, 66; East Lansing, 66; Industrialization and community status structure, Am. Sociol. Rev., 66; auth., Impact of community prestige upon personal appraisals of life conditions, Can. Rev. Sociol. & Anthropol., 70. Address: Dept. of Sociology & Anthropology, Sir George Williams University, Montreal 107, Que., Can.
- SMULTEA, DR. ILIE JOHN, b. Teregovia, Romania, Sept. 29, 15; U.S. citizen; m. 62; c. 2. POLITICAL SCIENCE. Bucurest, 35-37; Paris, 46-48; fel., Caen, 49-50; law degree, 49; Freiburg, 50-52; M.A., Yale, 57; Earhart Found. fel., 62-63; Ph.D. (polit. sci.), California, Berkeley, 68. Rep. Int. Refugee Orgn., French Br., 50-52; acting dept. mgr., Yale Univ. Bookstore, 55-57; Instr. Romanian, U.S. Army Lang. Sch., Calif., summer 61; asst. prof. POLIT. SCI., HUMBOLDT STATE COL., 63-69; ASSOC. PROF., 69-. Romanian Infantry, 37-38. Acad. Polit. Sci.; Acad. Arts & Sci.; Pol. Sci. Asn. Comparative government and international relations, especially Eastern Europe and Romania; relationship between ideology and political community in Eastern Europe. Publ.: Romania: the state at the Danube's mouth, Newspaper America, 61; The sun rises in the West also, Almanac, 64; Ideology and political community in Eastern Europe: the cases of Romania, East European Quart., 9/70. Address: Dept. of Political Science, Humboldt State College, Arcata, Calif. 95521.
- SMYTH, PROF. DAVID JOHN, b. Twickenham, Eng., Apr. 19, 36; m. 69. ECONOMICICS. B.Econ. Queensland, 57, M.Econ., 60; Univ. Queensland scholar, London Sch. Econ., 60-63; Ph.D. (econ.), Birmingham, 68. Lectr. econ., Queensland, 57-60; Birmingham, 63-65, sr. lectr. math. econ., 65-67; PROF. ECON., STATE UNIV. N.Y. BUFFALO, 67- Consult., U.K. Dept. Econ. Affairs, 65-67. Econ. Asn.; Economet. Soc.; Finance Asn. General and quantitative economics; econometrics; monetary and fiscal policy; business cycles; forecasting; macroeconomics. Publ.: Monetary factors and multiplier-accelerator interaction, Economica, 11/63; Built-in flexibility of taxation and automatic stabilization, J. Polit. Econ., 8/66; co-auth., The specification of short-run employment models, Rev. Econ. Studies, 4/70. Address: 99 Candlewood Lane, Williamsville, N.Y. 14221.
- SMYTHE, DR. MABEL M (URPHY). Economics. See L-Z Vol. 11th ed, Soc. & Behav. Vols. New information: Consult., Encyclop. Britannica Ed. Corp., 69-. Address: 345 Eighth Ave., New York, N.Y. 10001.
- SNADOWSKY, DR. ALVIN M, b. New York, N.Y., June 29, 38. PSYCHOLOGY. B.S., City Col. New York, 60, M.A., 63; Ph.D. (soc. psychol.), City Univ. New York, 69. Eng. res. psychologist, Rome Air Develop. Center, Griffis Air Force Base, New York, 62-64; ASST. PROF. PSYCHOL., YORK COL. (N.Y.), 69-. Psychol. Asn.; Soc. Psychol. Study Social Issues. Small group processes; organizational development; human relations training. Publ.: Co-auth., Group psychotherapy and the integration of the Negro, Int. J. Group Psychother., 66; Symbol identification as a function of misregistration in color additive displays, Perceptual & Motor Skills, 66 & Clinical research in progress; an innovation of the New York State Psychological Association, Am. Psychologist, 66. Address: 349 Ocean Pkwy., Brooklyn, N.Y. 11218.
- SNEDEEN, DR. LAWRENCE E. III, b. Oct. 20, 39; U.S. citizen. SOCIOLOGY, SOCIAL PSYCHOLOGY. B.A., Mich. State, 60, M.A., 63, Ph.D. (soc. psychol.), 68; California, Berkeley, 61-62; M.A. Helsinki, 63. ASST. PROF. SOCIOLOGY, Calif. State Col. San Bernardino, 66-68; San Fernando Valley State Col., 68-69; CALIF. STATE COL. SAN BERNARDINO, 69-. U.S. Dept. Labor Off. Manpower Policy, Eval. & Res. grant, 66-67; res. assoc., Mich. State, 69. Sociol. Asn.; Psychol. Asn. Poverty; social mobility; family: urban sociology; social movements; symbolic interaction; perception. Publ.: An analysis of factors involved in upward social mobility from the culture of poverty, Pac. Sociol. Asn. Annual Meetings, 70; co-auth., Contemporary American social problems, Dickinson, (in prep). Address: Dept. of Sociology, San Fernando Valley State College, Northridge, Calif. 91324.
- SNELSHIRE, DR. ROBERT W. Electrical Engineering. See Suppl. V to 11th ed, Phys. & Biol. Vols.
- SNIDER, DR. THOMAS EDWARD, b. Rockbridge, Baths, Va., June 12, 38; m. 61; c. 2. AGRICULTURAL ECONOMICS. B.S., Va. Polytech., 60; M.S. Cornell, 62; Ph.D. (agr. econ.), Minnesota, 67. ASST. PROF. AGR. ECON., Va. POLYTECH., 67-70, 62-63, 1st Lt. Agr. Econ., U.S. Army, 42-46. Agricultural finance and credit; optimal location of medical facilities in rural areas. Address: Dept. of Agricultural Economics, Virginia Polytechnic Institute, Blacksburg, Va. 24060.
- SNOOK, DR. JANICE (B), b. San Diego, Calif., Aug. 19, 38. POLITICAL SCIENCE. A.B. Regis Col., 60; M.A., Fla. State, 62; Ph.D. (polit. sci.), Maryland, 69. Instr. POLIT. SCI., Rosemont Col., 62-65; Maryland, 66-68; ASST. PROF. SOUTH FLORIDA, 68-. Polit. Sci. Asn. Judicial philosophy and judicial behavior: the case of Mr. Justice Cardozo. Address: Dept. of Political Science, University of South Florida, Tampa, Fla. 33620.
- SNOOK, DR. JOHN B. Religion. See 5th ed, Dir. Am. Scholars. Vol. IV. Philos., Relig. & Law.
- SNOW, DR. CHARLES R. b. Boothton, Ala., June 23, 32; m. 58; c. 4. BUSINESS ADMINISTRATION, MANAGEMENT. B.S.I.M. Auburn, 54; M.S.I.M. Georgia Tech., 57; Indiana, Bloomington, 70. Indust. buyer, Westinghouse Elec. Corp., Ohio, 57-59; wage & salary admin., Oak Ridge Nat. Lab., Union Carbide Corp., 61-63; res. economist, Fed. Reserve Bank of Cleveland, 66-67; ASSOC. PROF. bus. admin., East Tenn. State, 67-69; MGT. AUBURN, 69-. U.S.A. 54-56, 1st Lt. Business conditions; freight transportation; survey of Georgia Institute of Technology industrial management graduates. Address: Dept. of Management, Auburn University School of Business, Auburn, Ala. 36830.
- SNOW, DR. JOEL ALAN. Physics. See Suppl. V to 11th ed, Phys. & Biol. Vols.
- SNOW, DR. ROBERT E. History of Science. See Suppl. V to 11th ed, Phys. & Biol. Vols.
- SNOWDON, DR. CHARLES THOMAS. Physiological Psychology, Ethology. See Suppl. VI to 11th ed, Phys. & Biol. Vols.
- SNYDER, DR. FRANK W (ESLEY), b. Philadelphia, Pa., Feb. 4, 44; m. 66; c. 1. PSYCHOLOGY. B.S. Colorado State, 64; Ph.D. (psychol.), Illinois, 68. MEM. TECH. STAFF, BELL TEL. LABS, INC., 68-. Psychomet. Soc. Multivariate statistics; factor analysis; scaling theory and psychometrics; measurement and testing; interpersonal communication. Address: Bell Telephone Labs, Inc., Holmdel, N.J. 07733.
- SNYDER, PROF. RICHARD CARLTON. Political Science. See L-Z Vol. 11th ed, Soc. & Behav. Vols. New position & address: Prof. ed. & pub. policy & dir., 70-, Mershon Center for Education in National Security, Ohio State University, 199 W. Tenth Ave., Columbus, Ohio 43201.
- SNYDER, DR. ROBERT E (MILE) (JAMES). Marketing. See L-Z Vol. 11th ed, Soc. & Behav. Vols. New position: Prof. mkt. Roosevelt, 69-, assoc. dean, col. bus. admin., 68-. Address: 400 E. Randolph, Apt. 3322, Chicago, Ill. 60601.
- SNYDER, DR. WAYNE W, b. Long Beach, Calif., Mar. 15, 28; m. 55; c. 3. ECONOMICS. B.A., Southern California, 49; M.P.A., Harvard, 60, Ph.D. (econ.), 63. Mathematician, Douglas Aircraft Co., Inc., 49-50; economist, Marshall Plan, 51-55; res. assoc., Mich. State, 55-59; economist, Stanford Res. Inst., 63-64; Orgn. Econ. Coop. & Develop., 64-68; ASSOC. PROF. ECON., MICHIGAN, 68. Lectr., 68-69; Paris, 65-68. Adv. Pub. Serv. (els. Harvard, 59-63; consult., World Bank Mission to Turkey, 65. U.S.N., 45-47. Am. Econ. Asn.; Royal Econ. Soc. Development problems of emerging nations, especially Turkey, Morocco and Cyprus. Publ.: Co-auth., Fiscal policy in seven countries, Orgn. Econ. Coop. & Develop., 69; auth., Money in a developing economy, Rev. Econ. & Statist., 11/64 & Turkish economic development, J. Develop. Studies, 10/68. Address: Dept. of Economics, 309 S. State, University of Michigan, Ann Arbor, Mich. 48104.
- SNYDER, PROF. WILLIAM ULRICH. Psychology. See L-Z Vol. 11th ed, Soc. & Behav. Vols. New information: No longer chm. dept. psychol., Ohio. Address: 214 Peach Ridge Rd., Route 3, Athens, Ohio 45701.
- SNYDERMAN, DR. GEORGE S. b. Philadelphia, Pa., Aug. 23, 08; m. 35; c. 1. ANTHROPOLOGY. B.S. in Ed. Temple, 31; M.A., Pennsylvania, 33, Ph.D. (anthrop.), 40. Can. Gov. Inform. & suprv. Dept., Publ. Affs., 33-39; supvr. counselling serv., Pa. State Employ. Serv., 38-61; ASSOC. DIR., JEWISH

- EMPLOY. & VOC. SERV.** 61- Univ. Pennsylvania grant, 48-49; Am. Philos. Soc. grants, 56-61; lectur. Temple Univ. 63- Consult. U.S. Employment Serv. 61-67; Soc. Security Bd. 65- Mem. White House Conf. Children & Youth. AAAS; Anthropol. Assn. Primitive warfare; medicine, social organization, rehabilitation and psychological reaction to disabilities; problems of culturally different youth; assessment techniques other than psychological tests. Publ: Behind the tree of peace: a sociological analysis of Iroquois warfare. Pa. Archeologist, 48; Concepts of land ownership among the Iroquois and their neighbors. Bur. Am. Ethnol. 149: 13-34; The function of wampum in Iroquois religion. Am. Philos. Soc. 105: 571-608. Address: 1406 Park Towne Place W, Philadelphia, Pa. 19130.
- SOBEL, DR. JORDAN HOWARD.** Philosophy. See 5th ed, Dir. Am. Scholars, Vol. IV, Philos. Relig. & Law.
- SOBEL, DR. MORTON (JOSEPH), b.** Detroit, Mich. Aug. 9, 16; m. 40; c. 2. EDUCATION, SOCIOLOGY. B.A. Wayne State, 38, M.A., 41, Ed.D. (guid. & counseling, ed. admin.) 54; hon. L.H.D. Great Lakes Col. 58. Teacher, guid. counselor & adminstr. pub. schs, Mich. 38-53; regional dir. Anti-Defamation League of B'nai B'rith, Detroit, 53-59; dir. Nat. dept. cols. & univ. New York, N.Y. 59-64; asst. nat. exec. dir. community rels. Jewish War Vet. U.S. 64-67; dir. sch. desegregation prog. pub. schs, D.C. 67-69; ED. INTEGRATION SPECIALIST, N.Y. STATE ED. DEPT. 69- Spec. instr. Wayne State, Detroit, N.Y. Univ. Kansas City, Rutgers, Colo. Col. D.C. Teachers Col. George Washington, 68-68; acting dir. equal ed. opportunities prog. U.S. Off. Ed. 65. Mem. White House Conf. Children & Youth 49-50. S.A., 43-45. Personnel & Guid. Assn. Adult Ed. Assn. U.S. History; intergroup relations. Publ: Contrib. ed. Dictionary of political science, Philos. Libr. 64; auth. Sociodrama in the classroom, Soc. Ed. 4/52 & Theory into practice, Ohio State Univ. 6/63. Address: 69 Forest Ave, Albany, N.Y. 12208.
- SOBOTKA, DR. STEPHEN PAUL.** Economics. See L-Z Vol. 11th ed, Soc. & Behav. Vols. New position: Sr. adv. mkt. & econ. 69-, Shell Oil Co, 50 W. 50th St, New York, N.Y. 10020.
- SODERQUIST, DR. DAVID (RICHARD).** Psychoacoustics. See Suppl. VI to 11th ed, Phys. & Biol. Vols.
- SOHLER, DR. KATHERINE B (EATRICE) BERRIDGE.** Epidemiology. See L-Z Vol. 11th ed, Soc. & Behav. Vols. New position & address: Asst. prof. 69-, University of Oklahoma School of Health, 800 N.E. 13th St, Oklahoma City, Okla. 73104.
- SOKOLIK, PROF. STANLEY LEWIS, b.** St. Louis, Mo. Aug. 8, 28; m. 53; c. 4. MANAGEMENT, ORGANIZATIONAL BEHAVIOR. B.S.B.A., Washington (St. Louis), 50, M.A., 51; Ph.D. (mkt. personnel), Ohio State, 55. Asst. prof. mkt. Washington (St. Louis), 54-55; Wayne State, 55-58; dir. personnel, Ernst Kern Co, Mich. 58-59; dir. training, Fed. inc. 59-63; asst. prof. mgmt. Univ. Detroit, 63-66; assoc. prof. 66-67; assoc. prof. bus. admin. Southern Illinois, 67-69; chmn. faculty of bus. admin. 67-68; assoc. prof. mgmt. sch. bus. admin. & dir. orgn. develop. progs, exten. div. Missouri-St. Louis, 69-70; PROF. BUS. ADMIN. SANGAMON STATE, 70- Found. Econ. Ed. fels, summers 56 & 57. Mgt. consult. 63- Acad. Mgt; Am. Soc. Personnel Admin. Soc. Personnel Admin. Organization behavior and theory; personnel practices; worker development; policy formulation and implementation; administrative practices. Publ: The personnel process, Int. Textbook, 70; Guidelines in the search for effective appraisals, Personnel Jour. 11/67 & Reorganize the personnel department?, Calif. Mgt. Rev. spring 69. Address: 414 Willowbrook Lane, Collinsville, Ill. 62234.
- SOKOLNICKI, PROF. ALFRED JOHN.** Speech Pathology. See L-Z Vol. 11th ed, Soc. & Behav. Vols. New information: Dean, 69-, School of Speech, Marquette University, 625 N. 15th St, Milwaukee, Wis. 53233.
- SOLBERG, DR. KRISTEN.** Psychology. See L-Z Vol. 11th ed, Soc. & Behav. Vols. New position: Clin. psychologist, Vet. Admin. Hosp, Ft. Meade, 69-. Address: Box 182, Ft. Meade, S.Dak. 57741.
- SOLIDAY, DR. STANLEY (MILTON).** Experimental Psychology. See L-Z Vol. 11th ed, Soc. & Behav. Vols. New position & address: Assoc. prof. 69-, Dept. of Industrial Engineering, North Carolina State University, Raleigh, N.C. 27607.
- SOLIMAN, DR. AFFI HASSAN.** Photogrammetry & Geodesy. See Suppl. V to 11th ed, Phys. & Biol. Vols.
- SOLMON, DR. LEWIS CALVIN, b.** Toronto, Ont. July 17, 42; m. 65; c. 1. ECONOMICS. B.Com. Toronto, 64; M. Chicago, 67; Ph.D. (econ.) 68. Asst. prof. ECON. Purdue, 67-69; RES. FEL, NAT. BUR. ECON. RES, 69- Econ. Assn; Econ. Hist. Assn. Economic history; the economics of education and human capital. Publ: Estimates of the costs of schooling in 1880 and 1890, Explorations in Econ. Hist. 70; Opportunity costs and models of schooling in the nineteenth century, South. Econ. J. 7/70. Address: National Bureau of Economic Research, 261 Madison Ave, New York, N.Y. 10016.
- SOLO, PROF. ROBERT A (ALEXANDER).** Economics. See L-Z Vol. 11th ed, Soc. & Behav. Vols. New information: No longer dir. inst. int. bus. & econ. develop. studies, Mich. State. Address: Dept. of Economics & Management, Michigan State University, East Lansing, Mich. 48823.
- SOLOMON, DR. DANIEL LESTER.** Mathematical & Biological Statistics. See Suppl. VI to 11th ed, Phys. & Biol. Vols.
- SOLOMON, DR. DAVID N (ATHAN).** Sociology. See L-Z Vol. 11th ed, Soc. & Behav. Vols. New information: Also chmn, 69-, Dept. of Sociology, McGill University, Montreal 110, Que. Can.
- SOLOMON, DEAN LAWRENCE (NORVAL).** Psychology. See L-Z Vol. 11th ed, Soc. & Behav. Vols. New information: Also human resources center, U.S. Int. Univ. 69-. Address: 7761 Starlight Dr, La Jolla, Calif. 92037.
- SOLOMON, DR. MUHAMMAD HASSIM.** Government, Criminology. See L-Z Vol. 11th ed, Soc. & Behav. Vols. New position & address: Sr. asst. prof. sociol. 69-, Dept. of Sociology & Anthropology, University of Windsor, Windsor 12, Ont. Can.
- SOLOMON, PROF. RICHARD LESTER.** Psychology. See L-Z Vol. 11th ed, Soc. & Behav. Vols. Change of address: University of Pennsylvania, 3815 Walnut St, Philadelphia, Pa. 19104.
- SOLOMON, DR. WARREN E (LI), b.** Milwaukee, Wis. Dec. 16, 36; m. 63. SOCIAL PSYCHOLOGY, SOCIOLOGY. B.A., Wisconsin-Milwaukee, 58; Nat. Inst. Ment. Health fel, Michigan, 58-61, M.A., 59, Ph.D. (soc. psychol), 66. Instr. social, Nebraska, 63-64; ASST. PROF. North Dakota, 64-68; psychol, STATE UNIV, N.Y. COL. OSWEGO, 68-69, SOCIOLOGIST, 69- Univ. North Dakota faculty summer res. grant, 67. Participant, Nat. Sci. Found. Summer Inst. Univ. Missouri, 67; Univ. Colorado, 69. Sociol. Assn; Soc. Psychol. Study Social Issues. Social exchange analysis of social interaction; relationships between personality variables and social structure, especially role taking and social system functioning. Address: 185 Fifth Ave, Oswego, N.Y. 13126.
- SOLOMONS, PROF. DAVID.** Accounting. See L-Z Vol. 11th ed, Soc. & Behav. Vols. New information: Also chmn, 69-, Dept. of Accounting, Wharton School of Finance, University of Pennsylvania, Philadelphia, Pa. 19104.
- SOLOMONS, DR. GERALD.** Pediatrics, Growth & Development. See Suppl. V & VI to 11th ed, Phys. & Biol. Vols.
- SOLOW, PROF. ANATOLE A, b.** Davos, Switz, Aug. 10, 13; U.S. citizen; m. 37; c. 2. URBAN & REGIONAL PLANNING. B.A., Princ. Sch. Arch. Paris, 35; M.A., Sch. Planning & Res. for Nat. Develop. London, 39. Res. assoc. Am. Pub. Health Assn, 40-42, cnt. hyg. of housing, 45-47; chief div. housing & planning, Pan. Am. Union Orgn. Am. States, 47-59; regional planning adv. regional off. Cent. Am. Agency Int. Develop. 59-64; PROF. URBAN & REGIONAL PLANNING, PITTSBURGH, 64- Vis. lectur. Univ. Pennsylvania, 52-59. Consult. U.S. Nat. Housing Agency, 46-47; Ministry Labor & Reconstruction, Govt. Israel, 48; Ministry Pub. Works, El Salvador, 66-68; Govt. Affairs Inst. 67-69. C.Eng. U.S.A. 42-45. Am. Inst. Planners; Am. Soc. Planning Off. assoc. mem. Brit. Town Planning Inst. City planning; urban development; housing, with particular emphasis on developing countries in Latin America; land planning; zoning; land use; environmental housing standards. Publ: The role of industrial estates in urban and regional planning, UN Indust. Develop. Orgn. 68; Tools and techniques for implementation of urban planning, Int. Urbanization in developing countries, Int. Union Local Authorities, 67; Housing in Latin America, Town Planning Rev. 7/67. Address: 5458 Covode St, Pittsburgh, Pa. 15217.
- SOLSO, DR. ROBERT L, b.** Sioux City, Iowa, June 22, 33; m. 56; c. 3. PSYCHOLOGY. A.B. Hastings Col. 57; Atomic Energy Cmn. grant, Nebraska, 57-59, A.M. 59; Nat. Inst. Ment. Health grant, Iowa, 61-62, Nat. Sci. Found. grant, 62; NASA grant, St. Louis, 66-67, Ph.D. (psychol), 67. Asst. prof. PSYCHOL, Moorhead State Col. 59-65, assoc. prof. 67-66, chmn. dept. 61-65; ASSOC. PROF. LOYOLA (ILL), 68- Nat. Inst. Ment. Health grant, 68-69. U.S.A. 53-55. Psychol. Assn. Human learning, specifically verbal learning. Publ: Co-auth. Experimental psychology, Harper, 70; auth. Stimulus selection ..., J. Exp. Psychol. 68. Address: Dept. of Psychology, Loyola University of Chicago, Chicago, Ill. 60626.
- SOLTIS, DR. JONAS F.** Philosophy, Education. See 5th ed, Dir. Am. Scholars, Vol. IV, Philos. Relig. & Law.
- SOLTOW, PROF. LEE CARL, b.** Chicago, Ill. June 24, 23; m. 49; c. 3. ECONOMICS. Ph.D. (econ), Wisconsin, 52. From instr. to PROF. ECON, OHIO, 50- Ford Found. res. fel. 61-62; vis. prof. econ. Ibadan, 65-66; Nat. Sci. Found. grants, 65-70. Econ. Assn; Statist. Assn. Distribution of income and wealth among people. Publ: Toward income equality in Norway, 65 & Patterns of wealthholding in Wisconsin since 1850, 70, Univ. Wisconsin; co-auth. The distribution of wealth and income among people, Nat. Bur. Econ. Res. & Columbia Univ. 69. Address: Dept. of Economics, Ohio University, Athens, Ohio 45701.
- SOMERS, DR. ROBERT H.** Sociology, Statistics. See L-Z Vol. 11th ed, Soc. & Behav. Vols. New position: Res. Sociologist, 69-, Wright Institute, 2728 Durant Ave, Berkeley, Calif. 94704.
- SOMMER, DR. FRANK HENRY, III.** Archaeology, Art History. See 5th ed, Dir. Am. Scholars, Vol. I, Hist.
- SONDER, DR. OTTO L (OUIS), JR.** Sociology. See L-Z Vol. 11th ed, Soc. & Behav. Vols. New position & address: Dean liberal arts & sci, 66-, Williamsport Area Community College, 1005 W. Third St, Williamsport, Pa. 17701.
- SONNENSCHNEIN, PROF. HUGO FREUD, b.** Nov. 14, 40; U.S. citizen; m. 62; c. 3. ECONOMICS. A.B. Rochester, 61; Ph.D. (econ), Purdue, 64. Asst. prof. ECON. Minnesota, Minneapolis, 64-67, assoc. prof. 67-69, PROF. 69-70; MASSACHUSETTS AMHERST, 70- Vis. prof. Univ. of the Andes, Colombia, 65; Soc. Sci. Res. Coun. res. training fel. 67-68; vis. prof. Pa. State, 68-69; Ford Found. faculty res. fel. 70-71. Economet. Soc; Math. Soc; Econ. Assn. Economic theory; mathematical methods in economics. Publ: The relationship between transitive preference and the structure of the choice space, 7/65 & co-auth. Price distortion and economic welfare, 4/70, Econometrics & The terms of trade, the gains from trade, and price divergence, Int. Econ. Rev. 1/67. Address: Dept. of Economics, University of Massachusetts, Amherst, Mass. 01002.
- SONSTEGAARD, DR. MILES (HARRY).** Economics, Operations Analysis. See L-Z Vol. 11th ed, Soc. & Behav. Vols. New position: Assoc. prof. econ. & res. assoc. 69-, College of Business Administration, University of Arkansas, Fayetteville, Ark. 72701.

- SONSTEGARD, PROF. MANFORD A (LDRICH). Psychology, Guidance. See L-Z Vol. 11th ed, Soc. & Behav. Vols. Change of address: 504 Forestry Towers, West Virginia University, Morgantown, W.Va. 26506.
- SORENSEN, ERIC EDGAR. Operations Analysis. See L-Z Vol. 11th ed, Soc. & Behav. Vols. New information: Independent mgt. consult, 69- Address: 651 Port Dr, San Mateo, Calif. 94404.
- SORENSEN, DR. MOURITS A (XEL). Psychology. See L-Z Vol. 11th ed, Soc. & Behav. Vols. New position: Psychologist, Upper Miss. Ment. Health Center, 69- Address: Rural Route 5, Bemidji, Minn. 56601.
- SORENSEN, PROF. FRANK E. Geography. See L-Z Vol. 11th ed, Soc. & Behav. Vols. New position: Prof. ed. admin, 69-, Teachers College, Room 31F, University of Nebraska, Lincoln, Nebr. 68508.
- SORENSEN, DR. JOHN L (EON). Anthropology. See L-Z Vol. 11th ed, Soc. & Behav. Vols. New information: Pres, Bonneville Res. Corp, 69- Address: 292 W. 1700 South, Orem, Utah 84057.
- SORIANO, DR. ABRAHAM. Management Science, Operations Research. See L-Z Vol. 11th ed, Soc. & Behav. Vols. New information: Feature ed, Nat. Soc. Corp. Planning, Address: 15 Cherry Hill Rd, Livingston, N.J. 07039.
- SORKIN, DR. ALAN. B. Decatur, Ill. Nov. 2, 41; m. 67. ECONOMICS. B.A. Hopkins, 63; M.A. Nat. Sci. Found. summer fells, 65, 66, Ph.D.(econ), 66. Mem. tech. staff, Res. Anal. Corp, 66-67; res. assoc. econ, Brookings Inst, 67-69; ASST. PROF. ECON. & INT. HEALTH, HOPKINS, 69- Econ. Asn. Economics of education; influence of economic factors on migration; economic and social problems of the American Indian. Publ: Some factors associated with tuition in public and private colleges and universities, Col. & Univ, fall 68, American Indians industrialize to combat poverty, Monthly Labor Rev, 3/69 & Education, migration and Negro unemployment, Soc. Forces, 3/69. Address: 3407 Vargas Circle, Apt. 3A, Baltimore, Md. 21207.
- SORLEY, LT. COL. LEWIS STONE. III, U.S.A. b. West Point, N.Y. Aug. 3, 34; div. c. 1. SOCIOLOGY, INTERNATIONAL RELATIONS. B.S. U.S. Mil. Acad, 56; M.A. Pennsylvania, 63; U.S. Naval War Col, 67-68. U.S. ARMY, 56-, from instr. to asst. prof. Eng. U.S. Mil. Acad, 63-66; ops. staff officer, 1 Field Force Vietnam & exec. officer, 1st Tank Battalion, 69th Armor, Vietnam, 66-67; ASST. SECY. OF GEN. STAFF, OFF. CHIEF STAFF, WASH, D.C. 68- Vis. lectr, Rhode Island, 67-68; George Washington, 68. George Washington Honor Medal, Freedoms Found, Valley Forge, Pa, 66; Legion of Merit, Air Medal with two Oak Leaf Clusters & Vietnamese Cross of Gallantry with Palm, 67. Decision making processes; military sociology; civil-military relationships; problems of developing nations. Publ: A sound basis for career motivation, Infantry, 3-4/65; The quiet war: revolutionary development, Mil. Rev, 11/67; Man in the middle: the battalion executive officer, Armor, 11-12/68. Address: Office of the Chief of Staff, U.S. Dept. of the Army, Washington, D.C. 20310.
- SORRELLS, DR. JAMES MARSHALL. b. Atlanta, Ga. Dec. 18, 38. CLINICAL PSYCHOLOGY. B.A. Emory, 60; Ph.D. (psychol), California, Berkeley, 65. Asst. prof. psychol, San Jose State Col, 65-66; chief training eval, Ment. Res. Inst, 67-69; center Human Commun, 67-69; PROF. STAR KING SCH. RELIG. LEADERSHIP, 68-, RES. ASSOC. DEPT. PHILOS, CALIFORNIA, BERKELEY, 69- Family ther. consult, psychol. staff, Agnew State Hosp, 66. Assoc. Psychol. Asn. Family therapy; non-professional therapeutic relationships; nature of mystical experience and relevance of meditation to therapy; psychoactive drugs. Publ: Toward an integrated theory of families and family therapy, Psychotherapy, 69. Address: 10033 Broadway Terr, Oakland, Calif. 94611.
- SORSBY, DR. FELMAN B (ASCOM). Psychology. See L-Z Vol. 11th ed, Soc. & Behav. Vols. New position & address: Prof, 69-, Dept. of Psychology, Tennessee Wesleyan College, Athens, Tenn. 37303.
- SOURS, DR. JAMES (KINGSLEY). Political Science. See L-Z Vol. 11th ed, Soc. & Behav. Vols. New position: Pres, South. Ore. Col, 69- Address: 610 Elkader, Ashland, Ore. 97520.
- SOUTHALL, DR. AIDAN WILLIAM. Anthropology, Sociology. See L-Z Vol. 11th ed, Soc. & Behav. Vols. New position & address: Prof, 69-, Dept. of Anthropology, University of Wisconsin, 1180 Observatory Dr, Madison, Wis. 53706.
- SOUTHARD, DR. CURTIS G. Mental Health. See L-Z Vol. 11th ed, Soc. & Behav. Vols. Change of address: Grosvenor Park Apartments, 10401 Apt. 910, Rockville, Md. 20852.
- SOUTHARD, DR. SAMUEL. Theology. See 5th ed, Dir. Am. Scholars, Vol. IV, Philos, Relig., & Law.
- SOWELL, PROF. THOMAS. Economics. See L-Z Vol. 11th ed, Soc. & Behav. Vols. New information: Ph.D.(econ), Chicago, 68. Assoc. prof, 69-, Dept. of Economics, Brandeis University, Waltham, Mass. 02154.
- SPACHE, PROF. GEORGE D (ANIEL). Psychology. See L-Z Vol. 11th ed, Soc. & Behav. Vols. New information: Emer. prof, Florida, 69- Address: 7221 Sandy Bluff Dr, Jacksonville, Fla. 32211.
- SPEATH, DR. DAVID H. b. Philadelphia, Pa. Oct. 25, 24; m. 45. ECONOMICS, REGIONAL DEVELOPMENT. B.S. Kentucky, 53; M.S. Mich. State, 60, Ph.D.(agr. econ), 62. Res. asst. agr. econ, Mich. State, 58-62; economist, regional anal. div, Econ. Res. Serv, U.S. Dept. Agr, 62; sr. economist, Spindletop Res. Inc, Ky, 62-63, mgr. indust. econ. prog, 63-64; economist, regional develop. & trade div, Econ. Res. Serv, U.S. Dept. Agr, Taiwan, 64-65; sr. regional economist, Spindletop Res. Inc, 66, mgr. regional development, progs, 66-68, regional develop. div, 68-69; CONSULT. ECON, 69- Staff consult, Spindletop Res. Inc, Ky, 69-; consult, Volt Tech. Corp, D.C. 69- U.S.A. 43-46, S/Sgt. Agr. Econ. Asn. Asst. Asian Studies. Applied research and developmental systems design to assist in the socio-economic development of non-metropolitan areas; design of urban services delivery systems; economic market analyses, including cooperatives. Publ: Economic viability of small underground coal mines in eastern Kentucky, Ky. Dept. Commerce; Preliminary systems design for the organization of vocational education in the Kentucky Manpower Development Program, Ky. Adv. Coun. on Voc. Ed, Frankfort, 70; Quasi-cooperative arrangements: the Japanese and Taiwanese experience, In: Agricultural cooperatives and markets in developing countries, Praeger, 69. Address: Nolin Gardens, Big City, Ky. 42712.
- SPAHR, DR. WALTER E (ARL). Economics. See 11th ed, Soc. & Behav. Vols, deceased 70.
- SPAIN, DR. JAMES W. b. Chicago, Ill. July 22, 26; m. 51; c. 4. POLITICAL SCIENCE. M.A. Chicago, 49; Ford Found. fel, 53-55; Ph.D.(polit. sci), Columbia, 59. V.consul, Am. Embassy, Karachi, Pakistan, 51-53; free lance writer & consult, Mid.E., 55-63; mem. policy planning coun, U.S. DEPT. STATE, 63-64, dir. res. & anal. Near E. & S. Asia, 64-; Pakistan & Afghanistan, 66-69, CHARGE D'AFFAIRES, AM. EMBASSY, RAWALPINDI, PAKISTAN, 69- U.S.A. 46-47, T/Sgt. Coun. For. Rel; Mid. East Inst; Royal Cent. Asian Soc. Foreign policy of South Asia. Publ: The way of the Pathans, Robert Hale, London, 61; The Pathan borderland, Mouton, The Hague, 62. Address: 2244 Cathedral Ave. N.W., Washington, D.C. 20008.
- SPANER, DR. FRED E. Clinical Psychology. See L-Z Vol. 11th ed, Soc. & Behav. Vols. New position: Chief community ment. health centers consult, 68-, National Institute of Mental Health, 5454 Wisconsin Ave, Chevy Chase, Md. 20015.
- SPANGLER, DR. CHARLES BISHOP. Applied Mathematics, Physics. See Suppl. V to 11th ed, Phys. & Biol. Vols.
- SPANGLER, DR. HAYWARD G (OSSE). Entomology. See Suppl. VI to 11th ed, Phys. & Biol. Vols.
- SPANGLER, DR. JOHN DAVID. Religion, Psychology of Religion. See 5th ed, Dir. Am. Scholars, Vol. IV, Philos, Relig., & Law.
- SPANIER, DR. DOUGLAS A. b. Dysart, Sask, Sept. 1, 37; U.S. citizen; m. 61; c. 2. PSYCHOLOGY. B.A. West. Wash. State Col, 61; M.A. Nebraska, 65, Ph.D.(psychol), 68. Asst. psychologist, Lincoln State Hosp, Neb., 66-67; res. assoc. PSYCHOL, New Mexico, 67-69; ASST. PROF. STANISLAUS STATE COL, 69- Psychol. Asn. Learning; discrimination; incentives. Publ: Co-ath, Excessive drinking in rat, Psychonomic Sci, 68. Address: Dept. of Psychology, Stanislaus State College, Turlock, Calif. 95380.
- SPANO, DR. BARTOLO JOHN. b. Cortland, N.Y. June 11, 34. CLINICAL PSYCHOLOGY. A.B. Maryknoll Col, 56; Buffalo, 60; Off. Voc. Rehab. grant & M.A. Illinois, 61; U.S. Pub. Health Serv. stipend & Ph.D.(behav. sci. in elem. sch), 61-65. Instr. psychol. & couns., Western Kentucky, 62-63; internship clin. psychol. S.Shore Ment. Health Center, Quincy, Mass, 64-65; asst. prof. psychol, Pa. State, 65-66; dir. off. psychol. serv, Rosary Hill Col, 66-69; ASSOC. PROF. PSYCHOL. & DIR. OFF. PSYCHOL. SERV, WRIGHT STATE, 69- Summers, vis. lectr, Univ. Illinois, 66 & 69. Staff consult, Family & Children Serv. & Cath. Charities, Altoona, Pa, 65-66; Meyer Mem. Hosp, Buffalo, N.Y. & consult, Mt. St. Mary's Hosp, Niagara Falls, 67-69. Psychol. Asn; Personnel & Guid. Asn; Acad. Relig. & Ment. Health. Behavioral sciences on elementary school level; identity crisis in adolescents; approaches in preventive mental health. Address: Office of Psychological Services, Wright State University, Dayton, Ohio 45431.
- SPARROW, DR. SARA STELLE. Psychology. Speech Pathology. See L-Z Vol. 11th ed, Soc. & Behav. Vols. New position: Res. staff psychologist, 69-, Dept. of Psychology, Yale University, New Haven, Conn. 06511.
- SPAUDLING, DR. ROBERT MILLER, JR. Modern Japanese History. See 5th ed, Dir. Am. Scholars, Vol. I, Hist.
- SPAUTZ, DR. MICHAEL EDWARD. b. Dubuque, Iowa, June 11, 31; m. 57; c. 2. INDUSTRIAL PSYCHOLOGY. A.B. California, Los Angeles, 56, M.A., 63, Ph.D.(indust. psychol), 65. Forecasting coordinator, Gen. Tel. Co. of Calif, 56-61; indust. psychologist, Safeway Stores, Inc, 65-66; Sun Oil Co, 66-67; sr. engr. Data Syst. Div, Litton Industries, Inc, 68; ASST. PROF. INDUST. PSYCHOL, COL. BUS. ADMIN, SAN FRANCISCO, 68- Sig. C, U.S.A. 52-54. Psychol. Asn; Soc. Psychol. Study Social Issues. Managerial psychology; professional development; creativity; manpower planning; social issues. Address: College of Business Administration, University of San Francisco, San Francisco, Calif. 94117.
- SPEAKS, DR. CHARLES E (EDWARD). b. Coshocton, Ohio, June 29, 35; m. 56. SPEECH PATHOLOGY, PSYCHOACOUSTICS. B.S. Ohio, 57, M.A., 58; Ph.D. (speech path, audiol), Michigan, 63. Lectr. speech, Michigan, 61-62, instr, 62-63; res. instr. audiol. col. med, Baylor, 63-67, res. asst. prof, 67-68; ASSOC. PROF. SPEECH, MINNESOTA, MINNEAPOLIS, 68- Res. assoc. Res. Inst. Houston, 63-68, assoc. dir. res, 67-68; Nat. Insts. Health & Voc. Rehab. Admin. grants, 65-68; vis. lectr, Texas, 68-69. Acad. Acoustical Sci. Am; Speech & Hearing Asn. Speech perception processes in the normal and pathologic auditory systems. Address: 409 Folwell Hall, University of Minnesota, Minneapolis, Minn. 55455.
- SPEAR, DR. NORMAN EBERMAN. Experimental Psychology. See L-Z Vol. 11th ed, Soc. & Behav. Vols. New position: Prof, 68-, Dept. of Psychology, Rutgers, The State University, New Brunswick, N.J. 08903.
- SPEAR, DR. PAUL S. b. Minot, N.Dak, July 26, 41. CHILD PSYCHOLOGY. A.B. Taylor, 63; M.A. Wyoming, 65; Ph.D.(child psychol), Denver, 68. ASST. PROF. PSYCHOL, SAN DIEGO STATE COL, 68- Instr. Prog. Afford Ed, 68- Summer psychol. consult, Head Start Prog, 66. Soc. Res. Child develop. Psychol. Asn. Effects of social reinforcement on children's motivation,

learning & motor performance; rapid eye movement sleep and dreaming in children and adults. Address: Dept. of Psychology, San Diego State College, San Diego, Calif. 92115.

SPECHT, DR. DONALD FRANCIS. Electrical Engineering. See Suppl. VI to 11th ed, Phys. & Biol. Vols.

SPECK, DR. SAMUEL W, JR, b. Canton, Ohio, Jan. 31, 37; m. 62; c. 2. POLITICAL SCIENCE. B.A. Muskingum Col., 59; Rotol. fel., Univ. of Ohio, Rhodesia & Nyasaland, 61; M.A. Harvard, 63, Ph.D.(polit. sci.), 68. ASSOC. PROF. POLIT. SCI., MUSKINGUM COL., 63-, CHMN. DEPT. 68. Polit. Sci. Assn. fel. African Studies Assn. Address: Dept. of Political Science, Muskingum College, New Concord, Ohio 43072.

SPECTOR, DR. BERTRAM. Biomedical Sciences. See Suppl. VI to 11th ed, Phys. & Biol. Vols.

SPECTOR, DR. MALCOLM, b. St. Louis, Mo., July 18, 43; m. 67. SOCIOLOGY, SOCIAL PSYCHOLOGY. B.A. Northwestern, 66, Russell Sage Found. fel., 67-68, M.A., 68, Ph.D.(sociol.), 69. ASST. PROF. SOCIOL., MCGILL, 68-Am. Sociol. Assn.; Soc. Study Social Probe; Can. Soc. Sociol. & Anthropol. Symbolic interaction, especially sub-cultures and socialization. Address: Dept. of Sociology, McGill University, Montreal 2, Que., Can.

SPECTOR, DR. NOVERA HERBERT. Neurophysiology, Biophysics. See Suppl. V & VI to 11th ed, Phys. & Biol. Vols.

SPEER, DR. JAMES PAUL, II. Political Science, International Relations. See L-Z Vol. 11th ed, Soc. & Behav. Vols. New position & address: Assoc. prof. polit. sci., 69-. Dept. of Politics & Philosophy, Southwest Missouri State College, Springfield, Mo. 65802.

SPEETH, DR. KATHLEEN RIORDAN, b. New York, N.Y., Feb. 12, 37; div; c. 2. PSYCHOLOGY, EDUCATION. B.A. Barnard Col., Columbia, 59, Barnard fel. Columbia, 59, M.A. 61, Ph.D.(psychol.), 67. Sr. systs. analyst, Basic Sys. Inc. 63-66; ed. psychologist, ed. div. Xerox Corp. 66-68; ed. consult. 68-70; MAT. MGR. INDEPENDENT LEARNING SYSTEMS, 70-. Psychol. Assn. Human learning; behavioral analysis of learning; sociocultural systems analysis and development; programmed instruction; educational systems analysis and design; behavior modification; contingency management. Publ: Presentation mode and meaningfulness in paired-associate learning, Columbia Univ. 67; co-auth. What determines what the student learns? Programmed Learning, 10 68 & Techniques for maintaining student motivation, J. Nat. Soc. Programmed Inst. 3/69. Address: Independent Learning Systems, 18 Professional Center Pkwy., San Rafael, Calif. 94903.

SPEIER, DR. HANS. Sociology. See L-Z Vol. 11th ed, Soc. & Behav. Vols. New position & address: Robert M. Maciver prof. sociol. & govt., 69-, University of Massachusetts. 634 Thompson Hall, Amherst, Mass. 01002.

SPEIGNER, PROF. THEODORE ROOSEVELT, b. Montgomery, Ala., Mar. 31, 08; m. 40. GEOGRAPHY. A.B. Talladega Col., 30; A.M. Iowa, 33; LL.D., Luther Col. 38; Ph.D.(geog. counseling), Michigan, 61; D.H.L., Wartburg Col. & LL.D. Capital Univ. 64. Prin. St. Paul's Lutheran Acad., 30-47; asst. prof. hist., NORTH CAROLINA CENTRAL, 47-60, asst. prof. geog. & dir. div. resource-use ed., 50-60. PROF. GEOG. & CHMN. DEPT., 60-. Founder & chmn. N.C. Resource-Use Ed. Cong., 47-; mem. Gov. Cmn. Agr. Migrants, 62; Mayor's Good Neighbor Com., 63; Durham City Bd. Ed., 64 & 67-70. Nat. Com. Geog. Ed. Hist. Assn. Conserv. Ed. Assn.; Soil Conserv. Soc. Am.; Assn. Am. Geog. History; conservation. Publ: Contrib. Jour. Geog. Negro Ed. Rev. Conserv. Ed., 63; C. High Sch. J. & N.C. Teachers Assn. Record. Address: Dept. of Geography, North Carolina Central University, Durham, N.C. 27707.

SPELLACY, PROF. EDMUND (FRANK). Public Administration & Law. See 11th ed, Soc. & Behav. Vols. deceased 68.

SPELLMAN, PROF. JOHN WILLARD. History of India. See 5th ed, Dir. Am. Scholars, Vol. I. Hist.

SPENCE, DR. HOMER (EUGENE), b. Canton, Ohio, Mar. 14, 41; m. 64. MARKETING. B.S. Ohio State, 63, M.B.A. 65, Ph.D.(bus. orgn), 67. ASST. PROF. MKT., WASHINGTON (SEATTLE), 67-. Econ. Assn.; Mkt. Assn. Consumer behavior and economics; economic and cultural impact of marketing. Publ: Co-auth. Perceived risk in mail order and retail store buying, J. Mkt. Res., 8/70; Impact of brand preference on the perception of brand names, In: Readings in consumer behavior, Holt, 70. Address: 1508 40th Ave, Seattle, Wash. 98122.

SPENCE, DR. NORVILLE E, b. St. Boniface, Man., May 15, 35; m. 55; c. 2. PSYCHOLOGY. B.A. Manitoba, 60; M.A. Ohio State, 63, Ph.D.(psychol.), 68. ASST. PROF. PSYCHOL., Brandon, 68-68; SASKATCHEWAN, 68-. Can. Psychol. Assn. Learning conditions; motivational effects of stress on development. Address: Dept. of Psychology, University of Saskatchewan, Saskatoon, Sask., Can.

SPENCER, PROF. BERKLEY ARNOLD. Sociology, Anthropology. See L-Z Vol. 11th ed, Soc. & Behav. Vols. New position & address: Assoc. prof., 69-, Dept. of Sociology, Brigham Young University, Provo, Utah 84601.

SPENCER, DR. GARY, b. Towanda, Pa., June 10, 40; m. 64; c. 2. SOCIOLOGY PSYCHIATRY. A.B. Alfred, 62; A.M. Boston, 64, Ph.D.(sociol.), 69; summer, Nat. Sci. Found. fel. Michigan, 64. Res. assoc. soc. intervention, New Eng. Rehab. Res. Inst., Northeastern, 65-69; adj. asst. prof. sociol., Teachers Col., Columbia, 69-70; ASST. PROF. SOCIOL. & PSYCHIATRY, FLORIDA, 70-. U.S.A. 68-70, Capt. Sociol. Assn.; Nat. Rehab. Assn. Selection and socialization of military elites; structure and process of social intervention; delivery of health services. Publ: The structure and dynamics of social intervention, Health, 70. A comparative study of the reduction of dependency, Northeast. Univ. 65; The West Point cadet—a social psychological profile, U.S. Mil. Acad. 70. Address: Dept. of Sociology, University of Florida, Gainesville, Fla. 32601.

SPENCER, DR. GEORGE ELWOOD. Rural Sociology, Cultural Anthropology. See L-Z Vol. 11th ed, Soc. & Behav. Vols. New position & address: Community develop. consult., 69-, U.S. Agency for International Development to Panama, P.O. Box J, Balboa, C.Z.

SPENCER, PROF. KATHERINE. Social Anthropology. See HALPERN, DR. KATHERINE SPENCER, this Suppl.

SPENCER, PRES. ROBERT C. Political Science. See L-Z Vol. 11th ed, Soc. & Behav. Vols. New position & address: Pres., 69-, Sangamon State University, 818 Myers Bldg., Springfield, Ill. 62701.

SPENCER, PROF. WILLIAM. History. See 5th ed, Dir. Am. Scholars, Vol. I. Hist.

SPEERLING, PROF. JOHN G(LEN). Economic History. See 5th ed, Dir. Am. Scholars, Vol. I. Hist.

SPERRAZZO, PROF. GERALD. Clinical Psychology. See L-Z Vol. 11th ed, Soc. & Behav. Vols. New information: Also chmn., 66-, Dept. of Psychology, University of San Diego, San Diego, Calif. 92110.

SPICKER, DR. STUART FRANCIS. Philosophy, Psychology. See 5th ed, Dir. Am. Scholars, Vol. IV, Philos. Relig. & Law.

SPIEGEL, DR. STANLEY. Psychology. See L-Z Vol. 11th ed, Soc. & Behav. Vols. Change of address: Foss Dr., Upper Nyack, N.Y. 10960.

SPIEGELMAN, MORTIMER. Demography. See 11th ed, Soc. & Behav. Vols. deceased 69.

SPIES, PROF. GORDON. Psychology. See L-Z Vol. 11th ed, Soc. & Behav. Vols. New position & address: Prof. & chmn., 69-, Dept. of Psychology, Indiana State University, Terre Haute, Ind. 47809.

SPIILLETT, DR. JAMES JUAN. Animal Ecology, Wildlife Resources. See Suppl. V to 11th ed, Phys. & Biol. Vols.

SPIKES, DR. NELLIE JOHNSON, b. Valdosta, Ga., Dec. 13, 44. BEHAVIORAL SCIENCE, APPLIED PSYCHOLOGY. B.A.E. Florida, 65, J. Ellis Miller scholar, 65, M.E.D., 66; univ. fel. Fla. State, 68, Ph.D.(counseling psychol.), 69. PROF. PSYCHOL. & CHMN. DEPT., BRENEAU COL., 69-. Lectr., Univ. Georgia & Breneau Col. Gerontol. Inst., Gainesville, Ga., 70. Psychol. Assn. Self-disclosure; group counseling; writing therapy. Publ: Co-auth. Exploring economics along language thought trails, Marion County Bd. Pub. Instr. 66; auth. The effects of male and female models in vicarious therapy pre-training on the self-concept of institutionalized female juvenile delinquents in group counseling, Xerox Corp. 69; Conservation our hope, Sr. Scholastic, 61. Address: Enota Gardens, Apt. M-2, Gainesville, Ga. 30501.

SPIRO, DR. HERZL ROBERT, b. Burlington, Vt., Apr. 22, 35; m. 55; c. 3. PSYCHIATRY. B.A. Vermont, 55, M.D., 60; Harvard, 55-56; Wash. Psychol. 56-59, Intern. med. Lornell med. Center, 50-61; res. fel. Johns Hopkins Univ. & Hosp., 61-64, instr. psychiat. HOPKINS, 64-66, asst. prof., 66-69, ASSOC. PROF. PSYCHIAT. & DIR. GROUP TRAINING CENTER, 69-, DIR. OUTPATIENT & COMMUNITY MENT. HEALTH PROGS, JOHNS HOPKINS HOSP., 69-, assoc. physician-in-charge, 64-66, psychiatrist-in-charge, Henry Phipps Outpatient Serv., 66-70. Consult. Pub. Disability Ins. Social Security Admin., 64-69; Nat. Inst. Ment. Health, 69-. AAAS; Psychiat. Assn.; Psychosom. Soc. Pub. Health Assn. Social psychiatry including small group theory and practice; community mental health; psychosomatic medicine and liaison psychiatry. Address: 6524 Gardenwick Rd., Baltimore, Md. 21209.

SPIRO, PROF. MELFORD E(LLIOT). Social Anthropology. See L-Z Vol. 11th ed, Soc. & Behav. Vols. New position & address: Prof. & chmn., 68-, Dept. of Anthropology, University of California at San Diego, La Jolla, Calif. 91037.

SPITZ, DR. ALLAN AUGUST. Political Science. See L-Z Vol. 11th ed, Soc. & Behav. Vols. New position & address: Prof. & dir. field experience, 69-, James Madison College, Michigan State University, East Lansing, Mich. 48823.

SPIETZNER, DR. JOSEPH H, b. Chicago, Ill., July 30, 42; m. 62; c. 2. EXPERIMENTAL PSYCHOLOGY. B.S. Loyola (Ill.), 65; M.S. Rutgers, 67, Ph.D.(psychol.), 68. ASST. PROF. PSYCHOL., OHIO STATE, 68-. Animal behavior in areas of learning and motivation. Address: Dept. of Psychology, Ohio State University, Columbus, Ohio 43210.

SPIVACK, DR. (SYDNEY) (SHEPHERD). Social Psychology, Sociology. See 11th ed, Soc. & Behav. Vols. deceased 69.

SPIVAK, DR. MARK, b. Chicago, Ill., Apr. 30, 29; m. 65; c. 2. CLINICAL & SOCIAL PSYCHOLOGY. B.S. & M.S. Columbia, 55; U.S. Pub. Health Serv. fel. & Ph.D.(soc. psychol.), Michigan, 62. Teaching asst. exp. psychol., Columbia, 55; res. soc. psychologist, Ypsilanti State Hosp., Mich., 57-61; res. assoc. psychol. dept. psychiat., Harvard Med. Sch., 61-63; res. assoc. med. social, dept. social, Brandeis, 63-66, asst. prof. teaching, dept. psychol., 65-66; SR. RES. ASSOC. ISRAEL INST. APPL. SOC. RES., 66-; SR. LECTR. TEACHING, DEPT. PSYCHOL., TEL-AVIV, 68-. Proj. dir. rehab. chronic ment. patients, Center Club, Boston, Mass., 61; dir. psychol. res. State Dept. Ment. Health, Mass., 61-63; prin. investor, U.S. Dept. Health, Ed. & Welfare, Soc. Rehab. Serv. demonstration res. grant, 68-. Consult. dept. psychol., Mich. State Univ., 59-61; Wellmet Proj., Boston, 62-64; Phillips Brooks House ment. hosp. cm., Harvard, 62-66; cerebral palsy proj., Asaf Ha Rofe Hosp., Israel, 67-68. Psychol. Assn. Group dynamics; interaction of social system and personality system variables in clinical settings; family influence on psychopathology; group therapy with adolescents. Publ: An experimental social interaction approach to the milieu of schizophrenia, Psychiat. Quart., 62 & The Rehabilitation Club, Bull. of Israel Inst. Appl. Soc. Res., 69; co-

- auth. The therapeutic community—a study in identification, Israel Ann. Psychiat, 69. Address: Israel Institute of Applied Social Research, P.O. Box 7150, Jerusalem, Israel.
- SPORES, DR. RONALD. Anthropology. See L-Z Vol, 11th ed, Soc. & Behav. Vols. New position: Assoc. prof., 68-, Dept. of Anthropology, Vanderbilt University, Nashville, Tenn. 37203.
- SPRADLEY, DR. JAMES P., b. Baker, Ore, Dec. 19, 33; m. 56; c. 3. CULTURAL ANTHROPOLOGY. M.A., Washington (Seattle), 63, Ph.D. (anthrop), 67. Asst. prof. psychiat. & anthrop., Washington (Seattle), 66-69; ASSOC. PROF. ANTHROP., MACALESTER COL., 69- U.S.A., 57-59. Fel. Anthrop. Assn. (Stirling award, 69). Northwest coast Indians; urban tramps; culture and personality; cognitive anthropology. Publ: Guests never leave hungry: autobiography of a Kwakiutl Indian, Yale, 69 & You owe yourself a drunk: an ethnography of urban nomads, Little, 70. Address: Dept. of Anthropology, Macalester College, St. Paul, Minn. 55101.
- SPRADLEY, DR. JOSEPH E (DWARD). Psychology. See L-Z Vol, 11th ed, Soc. & Behav. Vols. New position & address: Prof. human develop. & family life, 69-, University of Kansas, 1043 Indiana, Lawrence, Kans. 66044.
- SPRAGENS, DR. WILLIAM C (LARK). Political Science. See L-Z Vol, 11th ed, Soc. & Behav. Vols. New position & address: Assoc. prof., 69-, Dept. of Political Science, Bowling Green State University, Bowling Green, Ohio 43402.
- SPRAGUE, DR. JOHN DRUMMOND, b. Watertown, N.Y., Mar. 14, 34; m. 55; c. 4. POLITICAL SCIENCE. A.B., Stanford, 56, M.A., 63, Ph.D. (polit. sci.), 64. Soc. Sci. Res. Coun. training grant, 64-65; asst. prof. POLIT. SCI., WASHINGTON (ST. LOUIS), 65-68, ASSOC. PROF., 68- Polit. Sci. Assn. (E.S. Corwin prize, 65); Law & Society Assn. Judicial behavior; legislative politics. Publ: Co-auth., Lawyers in politics, 64 & auth., Voting patterns of the U.S. Supreme Court, 66, Bobbs. Address: Dept. of Political Science, Box 1063, Washington University, St. Louis, Mo. 63130.
- SPRAGUE, DR. ROBERT L (E). Psychology. See L-Z Vol, 11th ed, Soc. & Behav. Vols. New position: Dir., 69-, Children's Research Center, University of Illinois, Champaign, Ill. 61820.
- SPRATT, PROF. JOHN S (TRICKLIN). Economics. See L-Z Vol, 11th ed, Soc. & Behav. Vols. New position & address: Prof., 69-, Dept. of Economics, Campbell College, Bales Creek, N.C. 27506.
- SPRAY, DR. SHERRAD L. Sociology. See L-Z Vol, 11th ed, Soc. & Behav. Vols. New position & address: Vis. assoc. prof., 69-, Dept. of Sociology, York University, 4700 Keele St., Downsview, Toronto, Ont. Can. 463.
- SPREITZER, DR. ELMER A., b. Cleveland, Ohio, Oct. 29, 36; m. 64; c. 3. SOCIOLOGY. B.S., John Carroll, 62; M.A., West. Reserve, 64; Voc. Rehab. Admin. fel., Ohio State, 65-67, Ph.D. (sociol.), 68. Instr. sociol., John Carroll, 63-65; ASST. PROF. phys. med., Ohio State, 68-69; SOCIOL., BOWLING GREEN STATE, 69. U.S. 55-57. Soc. Sci. Assn. Medical sociology; sociological theory; race relations. Address: Dept. of Sociology, Bowling Green State University, Bowling Green, Ohio 43402.
- SPRENGEL, DR. DONALD P (HILIP). Political Science. See L-Z Vol, 11th ed, Soc. & Behav. Vols. New position & address: Assoc. prof., 69-, Center for Urban Programs, St. Louis University, 221 N. Grand, St. Louis, Mo. 63103.
- SPRINGBORN, DR. BRUCE A (LAN). Industrial Psychology. See L-Z Vol, 11th ed, Soc. & Behav. Vols. New position: Assoc., A.T. Kearney & Co., Inc., 68- Address: 225 Francis Lane, Barrington, Ill. 60010.
- SPRINGER, DR. JOHN Y (OUNG). Economics. See L-Z Vol, 11th ed, Soc. & Behav. Vols. Change of address: 2800 Neilson Way, Apt. 1315, Santa Monica, Calif. 90405.
- SPRINKEL, DR. BERYL W (AYNE). Finance, Economics. See L-Z Vol, 11th ed, Soc. & Behav. Vols. New position: Sr. v.pres. & economist, Harris Trust & Savings Bank, 68- Address: 1429 Bunker Ave, Flossmoor, Ill. 60422.
- SPROTT, DR. RICHARD L., b. Tampa, Fla., Aug. 9, 40; m. 65; c. 2. EXPERIMENTAL PSYCHOLOGY, BEHAVIOR GENETICS. M.B., North Carolina, Chapel Hill, 62, Nat. Sci. Found. fel. & M.A., 64, Ph.D. (psychol.), 65. U.S. Pub. Health Serv. fel., 65-67; asst. prof. psychol., Oakland, 67-69; ASSOC. STAFF SCIENTIST, JACKSON LAB., 69- AAAS; Psychol. Assn. Physiology of behavior and the inheritance of behavior using operant and genetic techniques. Publ: Retrograde amnesia in two strains of mice, Psychol. Reports, 10/66; Barometric pressure fluctuations: effects on the activity of laboratory mice, Science, 9/67 & Fear communication via odor in inbred mice, Psychol. Reports, 8/69. Address: The Jackson Lab, Bar Harbor, Maine 04609.
- SPIRULING, DR. JOHN JASPER, b. Greysville, Ala., Feb. 28, 28. SOCIOLOGY, CULTURAL ANTHROPOLOGY. A.B., Talladega Col., 49; A.M., N.Y. Univ., 51, Ph.D. (human rels), 62. Researcher math, Courant Inst., N.Y. Univ., 57-64; asst. prof. SOCIOL. & ANTHROP., Elizabethtown Col., 56-57; City Univ. New York, 65-67; ASSOC. PROF., ST. JOHN'S (N.Y.), 67- Adminstr., Community Involvement in Creative Ed, Inc., New York, 70- consult., N.Y. State Dept. Urban Ed., Albany, 67-69; Human Affairs Res. Center, N.Y. 67- Auerbach Corp., Phila., Pa., 69- Assoc. Sociol. Assn.; Acad. Polit. & Soc. Sci. Res. research in intergroup relations in New Jersey and New York, in drug addiction in New York City and in housing and migrants. Publ: The Negro in New Jersey, N.J. Hist. Series, 65. Address: 112-45 180th St, Jamaica, N.Y. 11433.
- SQUILLACE, ANTHONY SALVATORE, b. Brooklyn, N.Y., Sept. 18, 35; m. 59; c. 4. PSYCHOLOGY, CHEMISTRY. B.A., California, Los Angeles, 58; M.A., Calif. State Col. Long Beach, 65; B.A. & M.A., Calif. State Col. Fullerton, 67. Sr. engr. NORTH AM. ROCKWELL CL. CORP., 60-66, mem. tech. staff, 66-69, SUPVR. HUMAN FACTORS, 69- U.S.A., 59, Nat. Guit. 59-65. Psychol. Assn.; Human Factors Soc.; Chem. Soc. Application of psychology to solution of industrial problems including motivational research, human engineering, man-machine systems analysis and workplace design research. Publ: Co-auth., A functional relationship between alignment accuracy and vertical separation distance of alignment marks, Human Factors J. (in press). Address: 5822 Lemon Ave, Cypress, Calif. 90630.
- SQUIRES, DR. JO ANNE SMIT, b. Wilksburg, Pa., Sept. 2, 26; m. 58; c. 2. PSYCHOLOGY. B.S., Ohio, 47; scholar & M.S., Pittsburgh, 49, Ph.D. (psychol.), 51. Lectr. psych., Pittsburgh, 48-49; instr. Allegheny Col., 50-52; lectr., Western Reserve, 52-53; sr. psychologist, U.S. Govt., 53-58; dir. psychol. serv., Hampton Rds. Speech & Hearing Center, 62-66; assoc. prof. psychol., Christopher Newport Col., Col. William & Mary, 67-69; supv. adjust. serv., Sarah Bonwell Hudgins Regional Center, 69-70. Res. asst. Am. Inst. Res., 48-49; sr. res. assoc., Personnel Res. Inst., 52-53; psychologist, Pennsylvania Assn. Retarded Children, 62-65; asst. prof. Col. William & Mary, 64-66. Consult., Newport News Pub. Schs., 66-67; adv. to bd., Pennsylvania Assn. Retarded Children, 66-68. Intel. Medal of Merit, U.S. Govt., 56. Psychol. Assn. Industrial selection training; evaluation; human relations; handicapped childreng and adults; evaluation; training. Address: 239 Christopher Wren Rd, Williamsburg, Va. 23185.
- SRIVASTAVA, DR. HARI MOHAN. Mathematics, Numerical Analysis. See Suppl. VI to 11th ed, Phys. & Biol. Vols.
- SRIVASTAVA, DR. MUNI SHANKER, b. Gonda, India, Jan. 20, 36; m. 64; c. 2. STATISTICS. M.Sc., Lucknow, 58; Ph.D. (statist.), Stanford, 64. Asst. prof. statist., Lucknow, 57-61; res. asst., Stanford, 61-63; asst. prof. MATH., Toronto, 63-65; vis. res. fel., Princeton, 65-66; ASSOC. PROF., TORONTO, 66- Inst. Math. Statist., Am. Statist. Assn.; Royal Statist. Soc. Multivariate analysis; sequential analysis; nonparametric methods. Publ: Some asymptotically efficient sequential procedures for ranking and slippage problems, 66 & fixed-width confidence bounds for regression parameters and mean vector, 67, J. Royal Statist. Soc.; co-auth., The performance of some sequential procedures for a ranking problem, Ann. Math. Statist., 6/68. Address: Dept. of Mathematics, University of Toronto, Toronto, Ont. Can.
- STAAR, PROF. RICHARD F (ELIX). Political Science. See L-Z Vol, 11th ed, Soc. & Behav. Vols. New position: Assoc. dir., Hoover Inst., 69- New publ: The communist regimes in Eastern Europe. Hoover Inst., 2nd ed, 70. Address: 337 Los Altos Ave, Los Altos, Calif. 94022.
- STABLER, DR. JOHN R (OBERTS), b. New Rochelle, N.Y., Apr. 11, 32; m. 55; c. 2. PSYCHOLOGY, A. Antioch Col., 56; M.A., Southern Methodist, 58; Ph.D. (psychol.), Texas, 61. Instr. PSYCHOL., La. State, 60-61, asst. prof., 61-68, ASSOC. PROF., 68-69; GEORGIA STATE, 69. Lectr., Southern Univ., 64-65; res. grant, Community Adv., Inc., 67-68. Consult. head start res. & eval. center, Southern Univ., 67-69; parent-child center, Atlanta, Ga., 69- Psychol. Assn.; Soc. Res. Child Development; Nat. Coun. Family Rel. Lectr. psychol. & social development; adolescence; racial attitudes of young children. Publ: Discrimination reaction time as a joint function of manifest anxiety and intelligence, Am. J. Psychol., 63. Personality and family background correlates of students' response to physical danger, J. Psychol., 67 & The relationship between race and perception of racially-related stimuli in preschool children, Child Development, 70. Address: Dept. of Psychology, Georgia State University, Atlanta, Ga. 30303.
- STACHOWIAK, PROF. JAMES G (REGORY). Psychology. See L-Z Vol, 11th ed, Soc. & Behav. Vols. New position: Prof., 69-, Dept. of Psychology, University of Kansas, Lawrence, Kans. 66044.
- STACK, DR. JAMES J (AY), b. Beryyn, Ill., June 8, 33; m. 54; c. 2. PSYCHOLOGY. B.S., Northwestern, 54; M.A., Ohio, 58; U.S. Pub. Health Serv. fel., Ohio State, 62-63, Ph.D. (clin. psychol.), 63. Staff psychologist, Vet. Admin. Ment. Hyg. Clin., Columbus, Ohio, 63-64; asst. prof. clin. psychol., Ohio State, 64-66, exec. officer, 65-66; asst. prof. psychol. & assoc. dir. child study center, GEORGE PEARBODY COL., 66-68, ASSOC. PROF. PSYCHOL. & DIR. CHILD STUDY CENTER, 68- Consult-dir., psychol. dept., Columbus State Hosp., Ohio, 64-66; res. dir., Crisis Child Center, Nashville Ment. Health Assn., Tenn., 67-69, eval. consult., 67-70. U.S.A., 54-56. Psychol. Assn. Clinical psychology, especially child and family process; personality theory; personality assessment and change. Address: Dept. of Psychology, Box 158, George Peabody College for Teachers, Nashville, Tenn. 37203.
- STACKFLETH, MAJ. EVAN DEAN, U.S.A.F. Industrial Psychology. See L-Z Vol, 11th ed, Soc. & Behav. Vols. New position: Wing cad. adv. Acad. Clin. & Allied Officer Sch., 68- Address: 2615 Baldwin Brook Rd, Montgomery, Ala. 36111.
- STADDON, DR. J (JOHN) E (RIC) R (AYNER). Experimental Psychology, Learning. See L-Z Vol, 11th ed, Soc. & Behav. Vols. New position: Assoc. prof., 69-, Dept. of Psychology, Duke University, Durham, N.C. 27706.
- STAFFORD, PROF. HOWARD A. JR. Geography. See L-Z Vol, 11th ed, Soc. & Behav. Vols. New position: Prof., 68-, Dept. of Geography, University of Cincinnati, Cincinnati, Ohio 45221.
- STAFFORD, DR. JOHN W (LLIAM). Experimental Psychology. See L-Z Vol, 11th ed, Soc. & Behav. Vols. New position & address: Cultural dir., 70-, College of San Victor, Apartado Aéreo 21512, Bogotá, Colombia, S.A.M.
- STAFFORD, DR. RICHARD L (INDSAY), b. Florence, Ala., Mar. 10, 23; m. 62. CLINICAL PSYCHOLOGY. B.S., Auburn, 50, M.S., 54; B.D. South. Baptist Theol. Sem., 51; Nebraska, 55-56; Vanderbilt, 56-58; fel. Houston, 62-65, Ph.D. (clin. psychol.), 66. Clin. psychol. trainee, Ev. Admin. Hosp., Murfreesboro, Tenn., 57-58; clin. psychologist, Guid Center Hillsborough County, Tampa, Fla., 58-59; asst. prof. psychol., Stetson, 59-62; resident clin. psy-

- chol. med. br. Texas, 64-65, asst. prof. pediat, 65-66; sch. med, Virginia, 66-68; ASSOC. PROF. PSYCHOL. SOUTH ALABAMA, 68- U.S.A.A.F. 43-46, S/Sgt. Psychol. Asst. Ed. Res. Assn. Developmental disorders in children. Address: Dept. of Psychology, University of South Alabama, Mobile, Ala. 36608.
- STAHL, DR. O. GLENN. Political Science, Public Administration. See L-Z Vol. 11th ed, Soc. & Behav. Vols. New information: Retired, U.S. Civil Serv. Cmn, 69; independent consult. pub. admin, 69- Address: 3600 N. Piedmont St, Arlington, Va. 22207.
- STAHLY, DR. HAROLD LEROY, b. Milford, Nebr, May 14, 26; m. 47; c. 5. EDUCATIONAL PSYCHOLOGY. A.B. Greenville Col, 49; M.S. Butler, 54; Ed.D. (ed. psychol), Indiana, 61. Teacher, pub. schs, Ind. 52-58; ASSOC. PROF. ED. PSYCHOL. Southeast Mo. State Col, 60-64; Western Illinois, 64-65; MICHIGAN, 65- CHMN. DEPT. ED, 69- Psychol. Assn. Preparation of teachers for urban schools. Publ. Co-auth, In search of meaning, Vol. II, Univ. North Iowa, 69. Address: 8343 Manchester, Grand Blanc, Mich. 48439.
- STAHR, DR. ELVIS J (JACOB). Law. See 5th ed, Dir. Am. Scholars, Vol. IV, Philos. Relig. & Law.
- STALEY, DR. ALAN L. b. Clayton, N.Mex, Dec. 31, 14; m. 38; c. 2. PSYCHOLOGY, COUNSELING. B.S. Colo. Agr. & Mech. Col, 38; M.A. Eastern New Mexico, 58; Ph.D. (col. student personnel), Colo. State Col, 67. Teacher, high schs, N.Mex, 38-47 & 48-59; asst. state supt. voc. agr. N.Mex, 47-48; instr. agr. Eastern New Mexico, 59-63; prin. jr. s. high schs, Tex, 63-66; ASSOC. PROF. PSYCHOL. & DIR. COUNSELING & TESTING, McMURRY COL, 66- Nat. Ed. Assn. Personnel & Guid. Assn. Adolescent and educational psychology. Address: 3950 Brookhollow Dr, Abilene, Tex. 79605.
- STALEY, SISTER IGNATIUS. Sociology. See L-Z Vol. 11th ed, Soc. & Behav. Vols. New position & address: Assoc. prof, 69-, Dept. of Sociology, Carroll College, Helena, Mont. 59601.
- STALEY, DR. JOHN S. b. Pittsburgh, Pa, Oct. 21, 16; m. 67; c. 2. SOCIOLOGY. B.A. St. Vincent Col, 36; M.A. 38; M.A. Catholic Univ, 50; Danforth fel. N.C. State, 64; Ph.D. (sociol), Pittsburgh, 60. PROF. SOCIOLOGY, St. Vincent Col, 48-67; Avery Postgrad. Inst, 67-69; BRIGHAM YOUNG, 69- Mellon fel, Pittsburgh, 67-68. Fel. Sociol. Assn. Systems transformation theory, particularly as applied to community development; race relations in urban community context. Publ. Racial democracy in marriage, Univ. Pittsburgh, 69; Walden III, 68 & Information dynamics and developmental organization, 69, Human Potential. Address: Dept. of Sociology, Brigham Young University, Provo, Utah 84601.
- STALLINGS, DR. DALE G (GROW). b. Roberts, Idaho, July 26, 27; m. 56; c. 4. ECONOMICS, AGRICULTURAL ECONOMICS. B.S. Idaho, 50; M.S. Minnesota, 52, Ph.D. (Agr. econ), 62. Agr. economist, California, Berkeley, 54-58; U.S. Dept. Agr., 58-64; asst. prof. agr. econ. & econ, CALIF. STATE POLYTECH. COL, KELLOGG-VOORHIS CAMPUS, 64-66, ECON, 66-69, ASSOC. PROF, 69- U.S.N. 45-46. Econ. Asst. Agr. Econ. Assn. Monetary theory and econometric studies of the effect of monetary variables on economic activity and prices. Publ. Co-auth, Plum packing costs and efficiency, Calif. Agr. Exp. Sta, 59; auth, Marketing western fruits and vegetables—long term outlook, 63 & Long run projections of food processing and marketing in the West, 65, Econ. Res. Serv. U.S. Dept. Agr. Address: Dept. of Economics, California State Polytechnic College, Pomona, Calif. 91766.
- STALLINGS, DR. WILLIAM M. b. Louisville, Ky, Aug. 20, 34; m. 62; c. 1. EDUCATIONAL PSYCHOLOGY. A.B. Kentucky, 56; M.A.T. Indiana, 63, Ed.D. (ed). 66. RES. ASST. PROF. OFF. INSTRUCTIONAL RESOURCES & ASST. PROF. ED. PSYCHOL. ILLINOIS, URBANA, 66- U.S.N.R. 56-60, Lt. AAAS. Ed. Res. Assn. assoc. mem. Sociol. Assn. Educational measurement and student personnel research. Publ. Co-auth, The pass-fail grading option, Sch. & Soc, 3/68, Confidence level and significance level: semantic confusion or logical fallacy, J. Exp. Ed, summer 69 & Some characteristics and correlates of the Meier Art Test of Aesthetic Perception under two systems of scoring, J. Ed. Measurement, fall 68. Address: 507 E. Daniel, Champaign, Ill. 61820.
- STALNAKER, DR. ARMAND (CARL). Economics, Business Administration. See L-Z Vol. 11th ed, Soc. & Behav. Vols. New position: Pres, Gen. Am. Life Ins. Co, 69- Address: 35 York Dr, St. Louis, Mo. 63144.
- STAMPOLIS, PROF. ANTHONY. Economics, Political Science. See L-Z Vol. 11th ed, Soc. & Behav. Vols. New position & address: Prof. econ. & bus. admin. & dir, 68- Bureau of Business Research, School of Business, East Carolina University, P.O. Box 2767, Greenville, N.C. 27834.
- STANAGE, DR. (SHERMAN) M (ILLER). Philosophy, Religion. See 5th ed, Dir. Am. Scholars, Vol. IV, Philos. Relig. & Law.
- STANEK, DR. RICHARD J (AMES). Psychology. See L-Z Vol. 11th ed, Soc. & Behav. Vols. New position & address: Assoc. prof, 69-, Dept. of Psychology, Southern Oregon College, Ashland, Ore. 97520.
- STANFORD, DR. E. PERCIL. b. Easton, Md, Feb. 19, 39; m. 65. SOCIOLOGY. B.A. Morgan State Col, 61; M.S. Iowa State, 67, Ph.D. (sociol), 68. SPECIALIST ON AGING, U.S. DEPT. HEALTH, ED. & WELFARE, 68- Lectr. George Washington, 69- U.S.A. 61-65, Res. 65-, Capt. Sociol. Assn; Geront. Soc. Int. Assn. Geront. Job satisfaction and involvement of older worker; anticipation patterns of potential military retirees. Address: 7513 14th St, N.W., Washington, D.C. 20012.
- STANFORD, DR. JOHN. b. Brockville, Ont, Nov. 17, 33; m. 55; c. 3. PHYSIOLOGICAL & EDUCATIONAL PSYCHOLOGY. B.A. Queen's (Ont), 64, M.A. 65, Ph.D. (psychol), 67. Lectr. PSYCHOL., Queen's (Ont), 66-67; ASST. PROF, TRENT, 67- Can. Psychol. Assn. Neural and endocrine correlates of sexual and other behaviors; application of learning theory of school situations. Address: Dept. of Psychology, Trent University, Peterborough, Ont, Can.
- STANFORD, DR. MELVIN JOSEPH. b. Logan, Utah, June 13, 32; m. 60; c. 4. BUSINESS MANAGEMENT. B.S. Utah State, 57; Donald Kirk David fel. & M.B.A. Harvard, 63; C.P.A. Utah, 63; Ph.D. (bus), Illinois, Urbana, 68. Auditor, Utah Tax Cmn, 58-59, asst. supt. auditing, 59-61; acct, Haskins & Sells, 62; analyst acct. staff, Arabian Am. Oil Co, 63-66; asst. indust. admin, Illinois, 66-68, mgt. ops., 68- asst. prof. BUS. MGT, BRIGHAM YOUNG, 68-69, ASSOC. PROF, 69-, DR. MGT. DEVELOPMENT, PROGS, 70- Mem. consult. faculty, U.S. Army Command & Gen. Staff Col, 69- U.S.A.F. 50-55, Res, 55-, Maj. Mgt. Assn. Management development programs; management information systems; case writing; development of new enterprise; university administration. Publ. An information system model for the academic department, Univ. Microfilms, 68; The case of the blank check, Intercol. Case Clearinghouse, 69; Family decision making, Improv. Era, 69. Address: College of Business, Brigham Young University, Provo, Utah 84601.
- STANFORD, PROF. STEPHEN SEDLEY. Sociology. See L-Z Vol. 11th ed, Soc. & Behav. Vols. New position: Prof. & chmn, 69-, Dept. of Sociology, Weber State College, 3750 Harrison Blvd, Ogden, Utah 84403.
- STANGE, PROF. JOSEPH JOHN. b. Czech. Apr. 30, 14; U.S. citizen; m. 41; c. 1. INTERNATIONAL RELATIONS, ECONOMICS. Dr. Univ. Polit. & Soc. Sci, Czech, 48; M.A. Syracuse, 53, D.S.Sc. (Int. rels), 63; Ph.D. (polit. sci), New Sch. Soc. Res, 58. Instr. Mil. Sch, Czech, 36-37; asst. prof. soc. sci, State Univ. N.Y. Col. Morrisville, 64-66; assoc. prof. SOC. STUDIES, CLAF-LIN, 68-69, PROF, 69- Participant, Summer Inst. Anthropol. Boulder, Colo, 65; Summer Inst. Statistics & Res, Sufolk, N.Y. 66; Summer Inst. for Teachers Econ, Atlanta, 70; Czech. Army, 35-37, 1st Lt. Address: Emory Towers, Apt. 33, Orangeburg, S.C. 29115.
- STANLEY, DAVID T. b. East Orange, N.J., Aug. 18, 16; m. 41; c. 3. PUBLIC ADMINISTRATION. A.B. Princeton, 37; M.A. American Univ, 61. Clerk, N.J. Civil Serv. Cmn, 38; mem. staff personnel, U.S. Farm Credit Admin, 38-42; div. chief training, U.S. Vet. Admin, 46-48; br. chief personnel, U.S. Air Force, 48-49; dep. chief civilian personnel policy, U.S. Dept. Defense, 49-53; br. chief personnel, U.S. Atomic Energy Cmn, 53-56; mgt. appraisal officer, U.S. Pub. Health Serv, 56-58; dir. mgt. policy, Dept. Health, Ed. & Welfare, 58-61; SR. FEL. GOVT. STUDIES, BROOKINGS INST, 61- Consult, Gov. Cmn. Efficiency, Ga, 63-65; Nat. Insts. Health, 69. Mem. task force orgn. health serv. Dept. Health, Ed. & Welfare, 65-66. U.S.A.A.F. 42-45, Sgt. Polit. Sci. Assn; Soc. Pub. Admin; Soc. Personnel Admin. Personnel; management. Publ. Professional personnel for the City of New York, 63, The higher civil service, 64 & Changing administrations, 65, Brookings. Address: Governmental Studies Program, Brookings Institution, 1775 Massachusetts Ave. N.W., Washington, D.C. 20036.
- STANLEY, DR. THOMAS JACKSON. Agricultural Economics & Education. See L-Z Vol. 11th ed, Soc. & Behav. Vols. New position & address: Head, 69-, Dept. of Agriculture, Stephen F. Austin State University, Box 3000, SFA Station, Nacogdoches, Tex. 75961.
- STANTON, PROF. BERNARD (FREELAND). Agricultural Economics. See L-Z Vol. 11th ed, Soc. & Behav. Vols. Correction: Prof. agr. econ. & chmn. dept, Cornell, 68- Address: 2 Sandra Place, Ithaca, N.Y. 14850.
- STANTON, DR. ERWIN S. Industrial & Personnel Psychology. See L-Z Vol. 11th ed, Soc. & Behav. Vols. New information: Pres, E.S. Stanton & Assocs. Inc, 68-; assoc. prof. St. John's (N.Y.), 69- Address: 1496 Gaston St, Wanthagh, N.Y. 11793.
- STANTON, DR. LYNN (ARTHUR). b. Earlville, N.Y., Jan. 20, 33; m. 53; c. 4. AGRICULTURAL ECONOMICS. B.S. Cornell, 59, M.S. 61; Ph.D. (agr. econ), La. State, 70. Farm management specialist, Cornell, 60-65; res. instr. agr. econ, La. State, 68-69; ASST. PROF. AGR. ECON. & STATE FARM MGT. EXT. SPECIALIST, WEST VIRGINIA, 69- U.S.M.C. 51-55, Sgt. Agr. Econ. Assn. Farm management. Address: Dept. of Agricultural Economics, West Virginia University, Morgantown, W.Va. 26506.
- STAPLES, DR. FRED RICHARD, b. June 22, 34; Can. citizen; m. 58; c. 2. PSYCHOLOGY. B.A. Toronto, 58, M.A. 60; Ph.D. (psychol) & dipl. clin. psychol, Queen's (Ont), 65. Clin. psychologist, Ont. Hosp, Hamilton, 60-61; res. psychologist, New Toronto, 62-63; res. assoc. PSYCHOL, Queen's (Ont), 63-64, lectr. 64-65, asst. prof. 65-66; SCH. MED. TEMPLE, 66-69, ASSOC. PROF, 69- AAAS; Psychol. Assn. Speech patterns; behavior disorders; psychotherapy. Publ. Co-auth, Social psychological factors in assessing drug effects, In: The present status of psychotropic drugs, Excerpta Medica Found, 69, Response to social and monetary reward in neurosis, J. Psychiat. Res., & Role preparation and expectation of improvement in psychotherapy, J. Nervous & Ment. Diseases, 70- Address: Eastern Pennsylvania Psychiatric Inst, Henry Ave. & Abbottsford Rd, Philadelphia, Pa. 19129.
- STAPLES, PROF. RUTH. Psychology. See L-Z Vol. 11th ed, Soc. & Behav. Vols. Change of address: 33 Christian Ave, Concord, N.H. 03301.
- STAR, MARTIN LEON. Mathematical Statistics. See L-Z Vol. 11th ed, Soc. & Behav. Vols. Correction: Managerial consult, S.D. Leidesdorf & Co, 67- Address: 25 Willow Lane, Great Neck, N.Y. 11023.
- STAR, DR. SPENCER, b. Chicago, Ill, June 24, 42; m. 68. ECONOMICS. B.S. Illinois, 64; M.A. California, Berkeley, 65, Ph.D. (econ), 70. ASST. PROF. ECON, SOUTHERN METHODIST, 69- Econ. Assn. Microeconomic theory; technological change; human resources; planning and growth; economic development. Address: 2324 Henderson St, Dallas, Tex. 75206.
- STARER, DR. EMANUEL. Clinical Psychology. See L-Z Vol. 11th ed, Soc. & Behav. Vols. Change of address: 17 Truxton Lane, Northport, N.Y. 11768.

- STARK, RODNEY WILLIAM, b. Bismarck, N.Dak. July 8, 34; m. 58; c. 1. SOCIOLOGY. B.A. Denver, 59; M.A. California, Berkeley, 65. RES. SOCIOLOGIST, surv. res. center, CALIFORNIA, BERKELEY, 61-69, CENTER STUDY LAW & SOC., 69- Staff consult, Nat. Cmn. Causes & Prev. Violence, 68-69. Assoc. ed. Sociol. Anal. & gen. ed. sociol. Wadsworth Publ. Co., 68-U.S.A., 57-59. Sociol. Asst.; Soc. Sci. Study Relig.; Soc. Study Social Probs. Nature, sources and consequences of religious behavior; religion and prejudice; deviant behavior; police response to mass protest. Publ. Co-auth. Religion and society in tension, Rand McNally, 65, Christian beliefs and anti-semitism, Harper, 66 & American piety: the nature of religious commitment, Univ. California, 68. Address: Center for the Study of Law and Society, University of California, Berkeley, Calif. 94720.
- STARK, DR. ROSEMARY. Clinical Psychology. See L-Z Vol, 11th ed. Soc. & Behav. Vols. New position: Team leader, Area D community ment. health center, St. Elizabeths Hosp, D.C., 69- Address: 4925 41st St. N.W., Washington, D.C. 20016.
- STARRY, DR. A. R. b. Webster, Iowa, Sept. 13, 34; m. 57; c. 1. PSYCHOLOGY. B.S. Iowa, 58; M.S., Purdue, 60, Ph.D. (psychol.), 62. Asst. dir. eng. personnel, Collins Radio Co., summer 60; chief eval. sect, U.S. Army Enlisted Eval. Center, 62-63; asst. dir. MEASUREMENT & RES. CENTER, PURDUE, 63-65, DIR. 65-66, ASSOC. PROF. PSYCHOL., 70-, asst. prof., 67-70. Dir. prediction reliability in biographical questionnaires, U.S. Off. Ed., 64-65, asst. dir. integrated curriculum lit. lang. & composition in jr. high schs., 65-67; co-investr. Purdue Res. Found. grant, 66-67; regional coordinator, Projs. TALENT & EXCEL, 67- Mem. tech. adv. cmt. Ind. Civil Rights Cmn, 67- U.S.A., 53-56. Psychol. Asst.; Nat. Cmn. Measurement in Ed. Psychological and educational measurement; statistical methodology; data processing techniques; industrial psychology. Publ. Co-auth. The American adolescent—a bewildering amalgam, J. Nat. Ed. Assn, 10/67, Science in the press, Sci. Res., 3/69 & Stability ratings as classifiers of life history item retest reliability, J. Appl. Psychol., 53: 14-18. Address: Measurement and Research Center, Purdue University, Lafayette, Ind. 47907.
- STATHACPOULOS, ARISTOTELIS DEMETRIOS. Electrical Engineering. See Suppl. V to 11th ed. Phys. & Biol. Vols.
- STAUB, DR. ERVIN, b. Budapest, Hungary, June 13, 38; U.S. citizen; m. 67. PSYCHOLOGY. B.A. Minnesota, 62; Woodrow Wilson & U.S. Pub. Health Serv. fcls. & Ph.D. (psychol.), Stanford, 65. ASST. PROF. CLIN. PSYCHOL., HARVARD, 65- Consult, R.I. Dept. Ed., 66-67; Vet. Admin. Hosps., 66- AAAS; Psychol. Asn. Prosocial behavior, especially helping, sharing and cooperation; personality change, especially behavior change; role of control and information in fearfulness and fear elimination. Publ. Co-auth. Aggression, In: Symptoms of psychopathology, Wiley, 70; auth. A child in distress: . . . J. Personality & Soc. Psychol., 70; Need for approval, children's sharing behavior and reciprocity in sharing, Child Develop., 70. Address: Dept. of Social Relations, Harvard University, Cambridge, Mass. 02138.
- STAUFFER, LT. COL. GLENN FLOYD, U.S.A.F. b. Deloit, Iowa, Aug. 17, 26; m. 49; c. 2. PSYCHOLOGY. B.A. Texas, 48; M.A. Oregon, 51; Ph.D. (psychol.), Cornell, 69. U.S. AIR FORCE, 51-, acting chief adaptability res., 6570th Personnel Res. Lab, Lackland Air Force Base, Tex., 66-67, res. projs. officer, statist. anal. br. Personnel Res. Div., 67-69, PROF. AERO-SPACE STUDIES, LEHIGH, 69- Psychol. Asn. Psychometrics; scale construction and evaluation; social psychology; large scale behavioral sciences research. Publ. Co-auth. Use and evaluation of discrete test information in decision making, 66 & Method for choosing a cutting point on a test, 66, J. Appl. Psychol.; Comparative performance of low-ability airmen, Air Force Human Resources Lab, 70. Address: Dept. of Aerospace Studies, Lehigh University, Bethlehem, Pa. 18015.
- STAVELY, DR. HOMER EATON, JR. Psychology. See L-Z Vol, 11th ed. Soc. & Behav. Vols. New position & address: Asst. prof., 69-, Dept. of Psychology, Windham College, Putney, Vt. 05346.
- STEA, DR. DAVID, b. New York, N.Y. Dec. 12, 36. PSYCHOLOGY, GEOGRAPHY, B.S. Carnegie Inst. Tech., 57; M.S. New Mexico, 61; Nat. Sci. Found. fel., Stanford, 61-64, Ph.D. (exp. psychol.), 64. Carnegie interdisciplinary teaching fel. psychol. & environ. design, Brown, 64-66, lectr. psychol., 66-67; asst. prof. GEOG. & PSYCHOL., CLARK, 67-69, ASSOC. PROF., 69- Via. prof., Nat. Univ. Mexico, 66-67; Soc. Sci. Res. Coun.-Latin Am. Studies Cmt. res. fel., 66-67; U.S. Off. Ed. res. grant, 68-70. Sig. C. U.S.A., 58, Res. 57-66, 1st Lt. AAAS; Psychol. Asn.; Interam. Soc. Psychol.; Inter-Am. Soc. Planning. Environmental perception and cognition; human and animal socio-spatial behavior; cognitive maps; urban problems in developing countries, especially Latin America. Publ. Reasons for our moving, Landscape, 1: 27-28; Mediating the medium, Am. Inst. Architects, 12/67; La conducta humana y el diseño urbano, Rev. Soc. Interam. Planificación, 9/68. Address: Graduate School of Geography, Clark University, Worcester, Mass. 01610.
- STEBELSKY, DR. IHOR, b. Krakow, Poland, Sept. 6, 39; Can. citizen; m. 63; c. 2. GEOGRAPHY. B.A. Toronto, 62, M.A., 64; Ph.D. (geog.), Washington (Seattle), 67. Far East & Russian Inst. res. fel., Washington (Seattle), 68; ASST. PROF. GEOG., WINDSOR, 68- Summers, Am. Philos. Soc. res. grant, 68, Can. Coun. res. grant, 69, Far East & Russian Inst. res. fel., 69. Asn. Am. Geog. Asn.; Slavie Studies; Can. Asn. Geog. Hist. & human geography of Russia and the Soviet Union. Address: Dept. of Geography, University of Windsor, Windsor, Ont., Can.
- STECHER, DR. SIDNEY, b. New York, N.Y. Sept. 17, 35; m. 62; c. 2. EXPERIMENTAL PSYCHOLOGY. Ph.D. (exp. psychol.), City Univ. New York, 67. Res. asst. sensory psychol., Brooklyn Col., 63-65, lectr. PSYCHOL., 64-66; ASST. PROF. BRANDEIS, 66- U.S. Pub. Health Serv., Nat. Inst. Neurol. Diseases & Blindness res. grant, 67-69; U.S. Pub. Health Serv. Eye Res. Found. res. grant, 69-73; summer instr., Pratt Inst. Tech., 65. Consult, Bolt Beranek & Newman, Inc., 67; Senders Assocs., 68- Nat. Guard, 61. AAAS; Optical Soc. Am.; Inter-Soc. Color Coun.; Psychol. Asn.; Asn. Res. Ophthal.; Psychonomic Soc. Psychophysics and scaling; operating characteristics and general laws of sensory systems in information processing; temporal and spatial interaction effects in sensory function. Publ. Luminance discrimination and simultaneous contrast, Am. J. Psychol., 68; Temporal and spatial effects in luminance discrimination, 68 & Co-auth. The relationship between binocular brightness matches and luminance discriminability of successively presented light flashes, 69, Perception & Psychophys. Address: Dept. of Psychology, Brandeis University, Waltham, Mass. 02154.
- STECKLEIN, PROF. JOHN ELLSWORTH. Educational Research. See L-Z Vol, 11th ed. Soc. & Behav. Vols. Change of address: Bureau of Institutional Research, University of Minnesota, 9 Clarence Ave. S.E., Minneapolis, Minn. 55414.
- STEDMAN, PROF. M. (URRAY) S. (ALSBURY), JR. Government. See L-Z Vol, 11th ed. Soc. & Behav. Vols. New position & address: Prof., 69-, Dept. of Political Science, Temple University, Philadelphia, Pa. 19122.
- STEED, DR. GTEL P. Anthropology. See L-Z Vol, 11th ed. Soc. & Behav. Vols. New information: Ph.D. (anthrop.), Catholic Univ., 69. Address: Dept. of Anthropology, Hofstra University, Hempstead, N.Y. 11550.
- STEED, DR. GUY PERCY F. b. Singapore, Malaysia, Oct. 20, 38; m. 67; c. 1. ECONOMIC GEOGRAPHY. B.A. McGill, 61; Ph.D. (geog.), Washington (Seattle), 66. Lectr. econ. geog. Queen's (Belfast), 64-65; ASST. PROF. GEOG., SIMON FRASER UNIV., 66- Brit. Coun. grant, 67; Can. Coun. grant, 67-68. Asn. Am. Geog. Econ. Asn.; Regional Sci. Asn.; Can. Asn. Geog. Geography of business enterprise; manufacturing; regional planning. Address: Dept. of Geography, Simon Fraser University, Burnaby 2, B.C., Can.
- STEELE, DR. ALPHUS T. (HORNTON). Business Administration. See L-Z Vol, 11th ed. Soc. & Behav. Vols. New position: M.M. lab. staff, Sandia Corp., 69- Address: 2114 Don Andres Place, S.W., Albuquerque, N.Mex. 87105.
- STEELE, DR. FRED I. Organizational Behavior, Social Psychology. See L-Z Vol, 11th ed. Soc. & Behav. Vols. New information: Independent orgn. & environ. consult., 69- Address: 71 Hancock St., Boston, Mass. 02114.
- STEELE, PROF. H. (ENRY) B. (NORFORD). Economics. See L-Z Vol, 11th ed. Soc. & Behav. Vols. New position: Prof., 68-, Dept. of Economics, University of Houston, Houston, Tex. 77004.
- STEELE, PROF. H. (HERBERT) ELLSWORTH. Labor Economics. See L-Z Vol, 11th ed. Soc. & Behav. Vols. New information: Also asst. dean, 69-, School of Business, Auburn University, Auburn, Ala. 36830.
- STEENLAND, DR. ROGER L. b. Chicago, Ill., Oct. 19, 37; m. 61; c. 2. CLINICAL PSYCHOLOGY. A.B. Calvin Col., 60; Ph.D. (clin. psychol.), Purdue, 64. Staff psychologist, Pine Rest Christian Psychiat. Hosp., Grand Rapids, Mich., 64-66; asst. prof. psychol. & clin. psychologist, counseling center, Hope Col., 66-69; ASSOC. PROF. PSYCHOLOGY & DR. PSYCHOL. SERV., AP. PALACHIAN STATE, 69- Clin. psychol. consult., Christian Guid. Center, Grand Rapids, Mich., 65-68. Relationship between religion and mental illness and mental health; process of group and individual psychotherapy; counseling. Publ. The development of a religious neuroticism inventory, bedfellows, Faculty Pub. Appalachian State Univ., 3/70. Address: Psychological Services, Appalachian State University, Boone, N.C. 28607.
- STEENSEN, DR. DONALD H. J. Forest Economics. See Suppl. V to 11th ed. Phys. & Biol. Vols.
- STEFFLRE, PROF. BUFORD (LOUIS). Counseling, Guidance. See 11th ed. Soc. & Behav. Vols., deceased 69.
- STEFFLRE, PROF. VOLNEY, b. McGregor, Minn., Nov. 6, 31. PSYCHOLOGY, ANTHROPOLOGY. B.A. Reed Col., 58; Harvard, 58-60, jr. fel. Soc. Studies fel., 60-63. Lectr. psychol., Yale, 63-64; asst. prof. sociol. & psychol., Michigan, 64-65; vis. asst. prof., California, Los Angeles, 65-66; asst. prof. PSYCHOL. & ANTHROP., CALIFORNIA, IRVINE, 66-69, ASSOC. PROF., 69- Res. fel., Rand Corp., Calif., 65-66. U.S.A. 51-54. AAAS; Psychol. Asn.; Ling. Soc. Am. Relations between language and thought and language and behavior; data processing techniques. Publ. Co-auth. Language and cognition revisited, J. Abnorm. & Soc. Psychol., 69: 472-481; auth. Simulation of people's behavior toward new objects and events, Am. Behav. Scientist, 8: 12-16 & Language and cognition in Yucatan: a cross cultural replication, J. Personality & Soc. Psychol., 4: 112-115. Address: Dept. of Psychology & Anthropology, School of Social Sciences, University of California, Irvine, Calif. 92664.
- STEGEMOELLER, PROF. HARVEY, b. Sagerton, Tex., Feb. 23, 29; m. 53; c. 6. AMERICAN HISTORY. B.A. Concordia Sem. (Mo.), 50; Washington (St. Louis), 50-55; Southwest Col. (Kans.), 51-52; M.A., Toledo, 62; Non-western Studies fel., Georgetown, 67-68. Instr. HIST. St. John's Col., 53-56; asst. prof., CONCORDIA SR. COL., 58-63, ASSOC. PROF., 63- American politics; counseling and guidance. Address: Dept. of History, Concordia Senior College, Ft. Wayne, Ind. 46805.
- STEGENGA, DR. PRESTON J. History, Political Science. See 5th ed. Dir. Am. Scholars, Vol. 1, Hist.
- STEGER, DR. JOSEPH A. (LOYUIS). Psychology, Statistics. See L-Z Vol, 11th ed. Soc. & Behav. Vols. New position: Assoc. prof., 69-, Dept. of Psychology, State University of New York, Albany, N.Y. 12203.
- STEBBENS, DR. JAMES A. b. Jan. 19, 40; U.S. citizen; m. 63; c. 2. EDUCATIONAL PSYCHOLOGY. B.S. Iowa State, 62; summers, Long Beach State Col., 63, 64; Ph.D. (ed. psychol.), Iowa State, 67. Teaching asst. math. IOWA, 64-66; res. asst. ment. retardation, 66-67; ASST. PROF. PEDIAT. & SR. PSYCHOLOGIST, STATE SERV. CRIPPLED CHILDREN, 67- Psychol. Asn.; Ed.

Res. Assn. School psychology: relationships between parental attitudes and school achievement; psychological status of children who have had rheumatic fever; socioeconomic correlates of perceived parental attitudes. Address: Dept. of Pediatrics, University of Iowa, Iowa City, Iowa 52240.

STEIMEL, DR. RAYMOND J. (JOSEPH). Psychology. See L-Z Vol. 11th ed, Soc. & Behav. Vols. New information: Also dean admissions, 68-, Catholic University of America, Washington, D.C. 20017.

STEIN, DR. ARTHUR B. b. Phillipsburg, Pa. Aug. 25, 37; m. 64; c. 2. POLITICAL SCIENCE, INTERNATIONAL RELATIONS. A.B. Pa. State, 55, Woodrow Wilson fel, 61-63, M.A., 62, Penfield fel, 63-64, Ph.D. (int. rels), 65; Fulbright fel, Melbourne, 59-60. Vis. asst. prof. POLIT. SCI, Pa. State, 64-65; asst. prof. RHODE ISLAND, 65-67; ASSOC. PROF., 67- Nat. Defense For. Lang. fel, California, Berkeley, 67-68. Polit. Sci. Assn. Am. Studies; Assn. Adv. Slavic Studies. Interaction between nation states; studies of non-Western politics; radical social and political change; intergroup relations; study of creating a just international order. Publ: India and the Soviet Union: the Nehru Era, Univ. Chicago, 69; American-Soviet relations: some thoughts on the future, Univ. R.I., 69; The Afro-American and Jewish American, Negro Univ., 70. Address: 126 Washburn Hall, Dept. of Political Science, University of Rhode Island, Kingston, R.I. 02881.

STEIN, PROF. BURTON. Indian History. See 5th ed, Dir. Am. Scholars, Vol. I, Hist.

STEIN, DR. DAVID (DANIEL), b. Elizabeth, N.J. Sept. 2, 36. SOCIAL & COMMUNITY PSYCHOLOGY. B.S. California, Los Angeles, 58, Ph.D. (psychol), California, Berkeley, 65; M.S., Calif. State Col. Los Angeles, 61. Nat. Inst. Ment. Health fel. community ment. health, ALBERT EINSTEIN COL. MED., YESHIVA, 65-67; ASST. PROF. PSYCHIAT. COL. MED. & SOUND VIEW-THROCKS NECK COMMUNITY MENT. HEALTH CENTER, 67-. MEM. PART-TIME FACULTY, PERKAUF GRAD. SCH. HUMANITIES & SOC. SCI. UNIV., 68-. Psychol. Assn. Community mental health; small group theory; prejudice; attitudes and belief systems. Address: Dept. of Psychiatry, Albert Einstein College of Medicine, Yeshiva University, Bronx, N.Y. 10461.

STEIN, PROF. HARRY L. Educational Psychology. See L-Z Vol. 11th ed, Soc. & Behav. Vols. New information: Emer. prof., 68-, Graduate Division, Faculty of Education, University of British Columbia, Vancouver 8, B.C., Can.

STEIN, DR. HERBERT. Economics. See L-Z Vol. 11th ed, Soc. & Behav. Vols. New information: Mem. 70-, President's Council of Economic Advisors, The White House, Washington, D.C. 20500.

STEIN, DR. MONROE. Clinical Psychology. See L-Z Vol. 11th ed, Soc. & Behav. Vols. New information: Staff clin. psychologist, Vet. Admin. Hosp., Clarksburg, 69-, consult, Pastoral Counseling Center. Address: Veterans Administration Hospital, Clarksburg, W. Va. 26301.

STEIN, DR. PETER JOSEPH, b. Prague, Czech. Sept. 22, 36; U.S. citizen. SOCIOLOGY. B.A. City Univ. New York, 59; M.A. & Ph.D. (sociol.), Princeton, 69. Res. asst., Russell Sage Found., summers 64 & 65, fall 66; ASST. PROF. SOCIOL. DOUGLASS COL., RUTGERS, 66-67; lect., Princeton, 67-; Rutgers Univ. Res. Coun. grants, 69-70; lect., Labor Union Acad., Rutgers, 70; summers, N.Y. Univ. 65 & 66; lect., summer prep. prog., Douglass Col., 69; Rutgers faculty fel. 70. Sig. C. U.S.A., 59-65. Sociol. Soc. & Soc. Study Social Probs. Sociology of education; Eastern Europe and Soviet society; changing values of American college students. Publ. Co-auth., Adult socialization. In: Socialization and society, Little, 68. Address: Dept. of Sociology, Douglass College of Rutgers, The State University, New Brunswick, N.J. 08903.

STEIN, DR. WALTRAUT J. (JOHANNA) (HEDWIG). Philosophy. See 5th ed, Dir. Am. Scholars, Vol. IV, Philos. Relig. & Law.

STEIN, DR. ZENA. Epidemiology. See Suppl. V to 11th ed, Phys. & Biol. Vols.

STEINBERG, DR. DANNY (DAVID), b. Toronto, Ont. Aug. 10, 31; m. 62; c. 1. PSYCHOLOGY, LINGUISTICS. B.A., British Columbia, 60; M.A., Hawaii, 64, Ph.D. (psychol), 66. Res. Assoc. PSYCHOLOGY, ed. res. & develop. center, Hawaii, 66-67; Nat. Inst. Mental Health res. fel, inst. commun. res., Illinois, Urbana, 67-69; ASST. PROF. DEPT. SPEECH-COMMUN., HAWAII, 69. Psychol. Assn. Ling. Soc. Am. Psycholinguistic processes; semantic theory; infant reading; speech perception. Publ. Co-auth. & ed. Semantics: an interdisciplinary reader in philosophy, linguistics and psychology, Cambridge, 70; auth., Analyticity, amphigory and the semantic interpretation of sentences, J. Verbal Learning & Verbal Behav., 70 & Negation, analyticity, amphigory, and the semantic interpretation of sentences, J. Exp. Psychol., 70. Address: Dept. of Speech-Communication, University of Hawaii, Honolulu, Hawaii 96822.

STEINBICKER, PROF. PAUL (GEORGE). Political Science. See L-Z Vol. 11th ed, Soc. & Behav. Vols. New position & address: Vis. prof., 68-, University of Dayton, Dayton, Ohio 45409.

STEINER, DELBERT (MICHAEL). Transportation Economics, Statistics. See L-Z Vol. 11th ed, Soc. & Behav. Vols. New position & address: Chief costing & pricing, 70-, Research Dept., Canadian Transport Commission, Conqill Bldg., 275 Slater St., Ottawa, Ont., Can.

STEINER, DR. DIETER. Geography. See Suppl. VI to 11th ed, Phys. & Biol. Vols.

STEINHOFF, DR. CARL ROBERT. Educational Administration. See L-Z Vol. 11th ed, Soc. & Behav. Vols. New position & address: Assoc. prof. ed. admin., 68-, School of Education, New York University, 4 Washington Place, New York, N.Y. 10003.

STEINTRAGER, DR. JAMES ALVIN. Political Science. See L-Z Vol. 11th ed, Soc. & Behav. Vols. New position & address: Assoc. prof., 69-, Dept. of Political Science, Wake Forest University, Winston-Salem, N.C. 27109.

STELMACH, DR. GEORGE E. b. Harvey, Ill. Oct. 9, 39; m. 65; c. 2. PSYCHOLOGY, ERGONOMICS. B.S., Illinois, Champaign, 61; M.A., California, Berkeley, 64, Ed.D. (psychol. ed), 67. Assoc. kinesiology, California, Riverside, 64-65; ASST. PROF. ERGONOMICS, CALIFORNIA, SANTA BARBARA, 67-. Psychonomic Soc.; Human Factors Soc.; Assn. Health, Phys. Ed. & Recreation. Psychological basis of human performance; motor learning, retention; mechanisms of motor response. Publ: Short-term motor memory as a function of response-similarity, J. Motor Behav., 1: 37-44; Prior positioning responses as a factor in short-term retention of a simple motor task, J. Exp. Psychol., 81: 528; Individual differences and intra-variability in motor performance under continuous practice conditions, J. Human Factors, 11: 201-206. Address: Dept. of Ergonomics & Psychological Education, University of California, Santa Barbara, Calif. 93106.

STEMPEL, PROF. GUIDO H. III, b. Bloomington, Ind. Aug. 13, 28; m. 52; c. 3. MASS COMMUNICATION. A.B., Indiana, 49, A.M., 51; Ph.D. (mass commun.), Wisconsin, 54. Sports ed., Frankfort Times, Ind., 49-50; instr., journalism, Pa. State, 55-57; from assoc. prof. to prof., Central Michigan, 57-65; from assoc. prof. to PROF. JOURNALISM & GRAD. COORDINATOR, OHIO, 65-Res. dir., Nat. Coun. Col. Publ. Adv., 62-69. Assn. ed. in Journalism, U.S.A., 54-55. Content analysis, especially of political campaign coverage and public opinion survey research. Publ: Selectivity in readership of political news, Pub. Opin. Quart., fall 61; An empirical exploration of the nature of news in Paul J. Deutschmann memorial papers in mass communications research, Scripps-Howard, 63; The prestige press in two presidential elections, Journalism Quart., winter 65. Address: Seven Lamar Dr., Athens, Ohio 45701.

STEMPEL, DR. JOHN DALLAS. Political Science, International Relations. See L-Z Vol. 11th ed, Soc. & Behav. Vols. New position & address: Staff asst. to under secy. state, 69-, Dept. of State, Seventh Floor, Washington, D.C. 20520.

STENE, PROF. EDWIN (OTTO). Political Science. See L-Z Vol. 11th ed, Soc. & Behav. Vols. New position: Univ. polit. sci., Kansas, 69- Address: 1644 University Dr., Lawrence, Kans. 66044.

STENSLAND, DR. PER GUSTAF, b. Lidings, Sweden, May 9, 13; U.S. citizen; m. 34; c. 3; m. 43; c. 1. SOCIOLOGY OF EDUCATION. Fil. Kand., Stockholm, 35, M.A., 40, summer, Mills Col., 41; fel. Am-Scandinavian Found., 41-43; Ph.D., Columbia, 50. Asst. teacher, folk high sch., Sweden, 34-37; teacher, 38-41; ed. Swedish bull., Am. Swedish News Exchange, N.Y., 43-44; lectr. Swedish, dept. Germanic lang. & adult ed, teachers col., Columbia, 44-48; assoc. prof. ed, Inset. Citizenship, Kans. State Col., 48-52; prof. ed, U.S. Tech. Col., 52-57; consult. social. & commun. develop., European Productivity Agency, Sardinia, 57-59; training officer, Centre Community Studies, Univ. Saskatchewan, 59-60, chief training officer, 60-62, dir. res. utilization, 62-64, prof. ed, Univ., 64-67; sr. mem. soc. & prev. med., MILBANK MEM. FUND, 67-69, V.PRES. TECH. AFFAIRS, 69- Staff mem. summer insts. & workshops, Newfoundland Dept. Ed., 45-46; Univ. Wyoming, 49-50; Pa. State Col., 50-52; Laquema, Macdonald Col. & Laval, 52 & 54; Chautauque Inst., 53-54; Nat. Training Lab., 55; Univ. Arizona, 57. Consult. Int. Coop. Admin. Coun. Libya & UN Tech. Assistance Seminar, Palermo, 58; Can. Assn. Adult Ed., 59-67; His Royal Highness Duke of Edinburgh 2nd Commonwealth Coun., local govt. cmt. Govt. Sask. & Can. Col. Gen. Practice, 61; Nat. Labour Mgt. Coun., 63; Milbank Mem. Fund, 64-67. Mem. Cntrl. Prof. Adult Ed., 65; Can. Assn. Adult Ed., 65; Cols. Community Develop. Soc.; Adult Ed. Assn. U.S.; Pub. Health Assn. Can. Assn. Adult Ed. (v.pres. 65-67). Adult and continuing education; community development; history. Publ: Community and development, Centre for Community Studies, Saskatoon, Sask., 62; Adult education, In: Scandinavia between East and West, Cornell Univ., 50; The health professional and the changing community, Milbank Mem. Fund Quart., Vol. XLIII, No. 4. Address: Milbank Memorial Fund, 40 Wall St., New York, N.Y. 10005.

STENSON, DR. HERBERT HALSTEN. Experimental Psychology. See L-Z Vol. 11th ed, Soc. & Behav. Vols. New position & address: Assoc. prof., 70-, Dept. of Psychology, University of Illinois at Chicago Circle, Box 4348, Chicago, Ill. 60680.

STENZEL, DR. WERNER, b. Vienna, Austria, Jan. 11, 43. CULTURAL ANTHROPOLOGY, ETHNOHISTORY. Dr. phil. (ethnol.), Vienna, 67. ASST. PROF. ANTHROPOL. EAST CAROLINA, 68-. Reconstitution of pre-Columbian Mexican religions; history on ethnohistoric and prehistoric basis. Publ: The sacred bundles in Mesoamerican religions, Proc. 38th Int. Cong. Americanists, (in press); Tetzavil: evidences for the vision quest among the Aztecs, Mitteilungen ethnologischen Gesellschaft Wien, (in press). Address: Dept. of Sociology and Anthropology, East Carolina University, P.O. Box 2783, Greenville, N.C. 27834.

STEPHAN, PROF. (ANTHONY) STEPHEN. Sociology. See L-Z Vol. 11th ed, Soc. & Behav. Vols. New information: No longer chmn. Dept. of Sociology & Anthropology, University of Arkansas, Fayetteville, Ark. 72701.

STEPHAN, PROF. FREDERICK (FRANKLIN). Statistics, Sociology. See L-Z Vol. 11th ed, Soc. & Behav. Vols. New information: Also asst. chmn., 68-, Dept. of Statistics, Princeton University, Fine Hall, Princeton, N.J. 08540.

STEPHANSON, PROF. EARL (MARVIN). Economics. See L-Z Vol. 11th ed, Soc. & Behav. Vols. New position: Assoc. prof. econ., Wright State, Dayton, Ohio, 69- Address: 2500 Rawnsdale Rd., Kettering, Ohio 45440.

STEPHENS, DR. (JOHN) KIRKER, b. Chicago, Ill. July 10, 41; m. 61; c. 1. ECONOMICS. B.A., Swarthmore Col., 62; M.A., Illinois, Urbana, 63; Nat. Sci. Found. fcls., 63-64, 65-67, Ph.D. (econ), 67. Summer staff mem., U.S. Naval

- Missile Center, Point Mugu, 65, 66; ASST. PROF. ECON. OKLAHOMA, 67-
Chief Economist, Syst. Synthesis Inc., Ojai, Calif, 69- Statist. consult, Gov.
Adv. Cmt. Taxation, Okla, 68-70. Econ. Asn.; Economet. Soc.; Econ. Study
Soc.; Math. Asn. Am.; World Future Soc. Mathematical economics; macro-
economic theory, especially growth models; human transportation and
lodging. Publ: High interest rates: fact or fiction, *Okla. Bus. Bull.*, 5/68;
The simple analytics of neoclassical growth theory; comment, *Quart. Rev.
Econ. & Bus.*, summer 69; Two Keynesian models of simultaneous inflation
and unemployment, *Nebr. J. Econ. & Bus.*, winter 70. Address: Dept. of
Economics, University of Oklahoma, Norman, Okla. 73069.
- STEPHENS, KEITH T. b. Ogden, Utah, May 12, 23; m. 5; c. 3. MARKETING,
ECONOMICS. B.S. Brigham Young, 49; M.S. N.Y. Univ., 52; M.B.A. Michi-
gan, 58. Asst. prof. mkt. econ, Fairleigh Dickinson, 59-60; real estate res.
analyst, Equitable Life Assurance Co. U.S., 60-67; asst. v. pres, Morgan
Guaranty Trust Co. N.Y. 67-68; ASSOC. PROF. MKT. ECON, SETON HALL,
68- Nat. Planning Asn.; Mkt. Asn.; Econ. Asn. U.S.A., 43-45. Real estate
economics; economic forecasting; banking and finance; logistics. Address:
3 Lorraine Rd, Madison, N.J. 07940.
- STEPHENS, DR. THOMAS MARON, b. Youngstown, Ohio, June 15, 31; m. 55.
PSYCHOLOGY, EDUCATION. B.S. Youngstown, 55; M.Ed. Kent State, 57;
U.S. Off. Ed. fel, Pittsburgh, 64-65, Ed.D.(spec. ed, rehab), 66. Teacher,
pub. schs, Ohio, 57-60; psychologist & rehab. counselor, Niles Ed. Schs.,
57-58; sch. psychologist, Montgomery County Pub. Schs., 58-60; con-
sult, progs. for gifted children, div. spec. ed, State Dept. Ed., 60-62, ad-
ministr. progs. for gifted & slow learning children, 62-64, coordinator progs.
for culturally deprived children, div. fed. assistance, 65-66; ASSOC. PROF.
progs. in learning & behav. handicaps, sch. ed, Univ. Pittsburgh, 66-70;
CHILDREN WITH LEARNING & BEHAV. HANDICAPS, COL. OF OHIO
STATE, 70- U.S. Off. Ed. fel, 66-70; U.S. Off. Ed. grant & mem. Task Force
to Design Nat. Follow-Through Prog. Early Childhood Ed., 67-68. Consult,
div. compensatory ed, U.S. Off. Ed., 67-68. Pres. Coun. State Dir. Progs.
for Gifted Children, 62-63. Psychol. Asn.; Coun. Except. Children; Ed. Res.
Asn. Application of reinforcement theory to instruction of emotionally
disturbed children and children with serious learning problems. Publ: Di-
rective teaching of children with learning and behavioral handicaps, *Merrill*,
70; co-auth, Merits of special class, resource and itinerant plans for teach-
ing partially seeing children, *Except. Children*, 2/69; auth, Psychological
consultation to teachers of learning and behaviorally handicapped children
using a behavioral model, *J. Sch. Psychol.* 70. Address: 1753 Blue Ash
Place, Columbus, Ohio 43224.
- STEPHENS, PROF. WILL BETH, b. Van Horn, Tex, July 14, 18; m. 43; c. 2.
EDUCATIONAL PSYCHOLOGY. B.F.A., Texas, 42, M.Ed., 58, U.S. Off. Ed.
fel, 60-62, Ph.D.(ed. psychol), 64. Asst. dir. progs. USO-YMCA, 42-45;
asst. dir. young adult prog. YMCA, Austin, 46-47; teacher, pub. schs.,
56-60; res. assoc. SPEC. ED, Texas, 62-64; res. asst. prof, Illinois, 65-
66; PROF. TEMPLE, 66- Voc. Rehab. Admin. fel, Univ. Geneva, 64-65;
Soc. Rehab. Serv. res. grant, 67-; Pa. Psychol. Asn. fel, 68-; fel, inst.
epistemic study, N.Y. Univ., 69- Consult, State Schs; Pa., 68- Asn. Ment.
Deficiency, Int. Asn. Sci. Study Ment. Deficiency, Coun. Except. Children;
Ed. Res. Asn.; Soc. Res. Child Develop. Psychol. Asn. Cognitive develop-
ment of exceptional children; intellectual stimulation of culturally deprived
infants; after training success of young adult retardates; the development
of reasoning, moral judgment and moral conduct. Publ: Co-auth, Success
of young adult retardates, *Coun. Except. Children*, 68; auth, Training the
developmentally young, *Day*, 70; auth, Chap. In: The diagnosis of reasoning,
Tex. Ed. Agency, 70. Address: 358 Winding Way, Merion, Pa. 19066.
- STEPHENS, PROF. WILLIAM P(AUL). Agricultural Economics. See L-Z
Vol, 11th ed, Soc. & Behav. Vols. Change of address: Agricultural Experi-
ment Station, Box 3-BF, New Mexico State University, Las Cruces, N.Mex.
88001.
- STEPHENSON, DR. BOBBY LYNN, b. Remlap, Ala, Nov. 15, 41; m. 68; c. 1.
EDUCATIONAL PSYCHOLOGY. B.S. Alabama, 63, M.A., 65, Ph.D.(ed. psy-
chol. & counseling), 68. Teacher, jr. high sch, 63-65; ASST. PROF. PSY-
CHOL, NORTHEAST LA STATE COL, 66- Asn. Ment. Deficiency. Social
class and language development; psycholinguistics. Address: Dept. of Psy-
chology, Northeast Louisiana State College, Monroe, La. 71201.
- STEPHENSON, CHARLES M. Economics. See L-Z Vol, 11th ed, Soc. &
Behav. Vols. New position: Chief gov. res. staff, 68-; Division of Naviga-
tion Development & Regional Studies, Tennessee Valley Authority, 525
Arnstien Bldg, Knoxville, Tenn. 37902.
- STEPHENSON, DIANE DURHAM, b. Birmingham, Ala, July 20, 30; m. 53; c. 3.
SOCIOLOGY, URBAN PLANNING. B.A., Alabama, 51, M.A., 53. Res. assoc.
soc. sci, Alabama, 52-54; sociol, Couey & Couey, 54-55; res. consult, hu-
man rels, med. center, Alabama, 56-60; dir. res. community planning,
Birmingham Community Coun, 60; admin. asst. health planning, Ga. Dept. Pub.
Health, 60-62, planning officer, 62-67, chief epidemiologist, 67-68; RES.
ASSOC. SCH. SOC. WORK, GEORGIA, 68- Consult, Ga. Dept. Ed., 63-68;
Appalachian Regional Coun, 66-67. Pub. Health Asn.; Sociol. Asn.; World
Future Soc. Health planning, health services delivery; child welfare. Publ:
Co-auth, Institutional nurses, *Univ. Ala.*, 54; auth, The concept of multi-
county demonstration health facility, In: Community planning comprehensive
health services, Appalachian Regional Coun, 66; Health Service planning,
Ga. County Govt. Mag, 68. Address: Social Work Research Center, Uni-
versity of Georgia School of Social Work, Athens, Ga. 30601.
- STEPHENSON, DR. RICHARD ALLEN, b. Cleveland, Ohio, June 8, 31; m. 52;
c. 3. GEOGRAPHY, GEOLOGY. B.A., Kent State, 59; M.S., Tennessee, 61;
Ph.D.(geog. geol), Iowa, 67. Engr. aid, Akron City Planning Cmn, Ohio
summer 59; area planner, State Planning Cmn, Tenn., 59-61; planner, C.V.
Hill & Assoc., 61-62; ASST. PROF. GEOG., East Carolina, 62-67; GEORGIA,
67- U.S.N., 50-54. Asn. Am. Geog.; Geog. Soc. Am. Analysis of surfaces;
fluvial geomorphology; channel and hydraulic geometry; drainage system
analysis; resource planning and development; quantitative techniques, espe-
cially multivariate analysis and decision theory. Publ: Co-auth, The valley
of Iowa, In: Iowa studies in geography, Univ. Iowa, 68; auth, Spatial variation
of flood frequencies as related to hydraulic geometry, *Soc. Asst. Geol.*, 69
& On the use of grain size analysis in geomorphological studies, *Prinl.
Geogr.*, 70. Address: Dept. of Geography, University of Georgia, Athens, Ga.
30601.
- STEPHENSON, DR. ROBERT L(LOYD). Anthropology. See L-Z Vol, 11th ed,
Soc. & Behav. Vols. New information: Dir. inst. archeol. & anthrop, South
Carolina, 68-; archeologist, State of S.C., 68- Address: 5631 Satchel Ford
Rd, Columbia, S.C. 29206.
- STERCHO, PROF. PETER G(EOGE). Economics, Political Science. See
L-Z Vol, 11th ed, Soc. & Behav. Vols. New position: Prof. econ, Drexel,
69- Address: 340 Meeting House Ln, Narberth, Pa. 19072.
- STERLING, PROF. ROBERT R., b. Bugtussle, Okla, May 16, 31. ACCOUNT-
ING. B.S., Denver, 56, M.B.A., 58; Ford Found. fel, Florida, 58-60, Ford
Found. grant, 60-61, Ph.D.(econ), 64. Lab. instr. Eng., Denver, 54-55,
Instr. econ, 55-57; acct, Florida, 57-62; asst. prof, Southern California,
62-63; soc. sci, Harpur Col, 63-66; assoc. prof. BUS. ADMIN., KANSAS,
67-69, PROF. 69- Ford Found. faculty fel. bus, 65-66; Nat. Sci. Found.
sci. faculty fel, Yale, 66-67. Bk. rev. ed, *Acct. Rev.*, 69. Am. Inst. Cert.
Pub. Acct. gold medal, 69. U.S.A., 45-47; U.S.N., 50-52. Am. Acct. Asn.
Theories of income and wealth; methodological problems; philosophy of
science. Publ: The theory of the measurement of enterprise income, *Univ.
Kansas*, 70; The going concern: an examination, *Acct. Rev.*, 7/68; An abstract
of accounting theory, *Ann. Econ. & Mgt. Sci.*, 68. Address: 2514 Harvard Rd,
Lawrence, Kans. 66044.
- STERN, DR. DAVID H(AROLD). Economics. See L-Z Vol, 11th ed, Soc. &
Behav. Vols. New information: Pres. Back to Eden, 69- Address: 4970
Cass St, San Diego, Calif. 92109.
- STERN, DR. ELIZABETH. Experimental Pathology. See Suppl. VI to 11th
ed, Phys. & Biol. Vols.
- STERN, PROF. GEORGE G(ORDON). Psychology. See L-Z Vol, 11th ed,
Soc. & Behav. Vols. New information: Also dir, 68-, Social Psychology
Training Program, Syracuse University, Syracuse, N.Y. 13210.
- STERN, DR. ROBERT M(ORRIS), b. New York, N.Y., June 18, 37. EXPERI-
MENTAL PSYCHOLOGY. A.B., Franklin & Marshall Col, 58; M.S., Tufts,
60; Ph.D., Indiana, 63. Asst. Tufts, 58-60; res. psychologist, Harvard Med.
Sch, 60; teaching asst, Indiana, 60, teaching assoc. & res. asst, 61-62,
res. assoc, 63-65; asst. prof. PSYCHOL, PA. STATE, 65, ASSOC. PROF., 68-
AAAS; Psychol. Asn.; Soc. Psychophysiol. Res. Feedback of the responses of
the autonomic nervous system, their modification and effects on other as-
pects of behavior. Publ: Co-auth, Gastric motility: the electrogram, In:
A manual of psychophysiological methods, North-Holland, 67; Ability of
actors to control their GSRs and express emotion, 1/68 & A comparison of
GSR and subjective adaptation to stressful stimuli, 7/70, *Psychophysiology*.
Address: Dept. of Psychology, Pennsylvania State University, University
Park, Pa. 16802.
- STERNBERG, DR. MARVIN J(OHN), b. Minneapolis, Minn., Dec. 1, 33; m. 61;
c. 2. ECONOMICS. B.A., California, Berkeley, 55, Inter-Am. Cult. Cmt.
grant, 60-61, M.A. & Ph.D.(econ), 62. Consult, Inter-Am. Cmt. Agr. De-
velop, 62-64; economist, Int. Labour Off., 64-68; ASST. PROF. ECON,
STATE UNIV. N.Y. ALBANY, 68-, faculty fel. & grant-in-aid, res. found,
69-70. U.S.A., 56-58. Econ. Asn.; Latin Am. Studies Asn. Land tenure and
agrarian reform; rural employment; Latin American economic and social
development. Publ: Co-auth, Chile, tenencia de la tierra y desarrollo
socio-economico del sector agrícola, CIDA, 66; auth, Distribución del in-
greso en la agricultura, In: Delgado Reformas agrarias en la América
Latina, F.d.el Cultura, 66; Agrarian reform and employment, with special
reference to Latin America, *Int. Labour Rev.*, 1-2/67. Address: Dept. of
Economics, State University of New York, at Albany, Albany, N.Y. 12203.
- STERNER, DR. FRANK M(AURICE). Industrial Psychology. See L-Z Vol,
11th ed, Soc. & Behav. Vols. New position: Pres. Nourse & Sterner, Inc.,
69- Address: 1201 N. Prospect Ave, Milwaukee, Wis. 53202.
- STERNLIEB, PROF. GEORGE. City Planning. See L-Z Vol, 11th ed, Soc. &
Behav. Vols. New information: Also dir, 69-, Center for Urban Social Sci-
ence Research, Rutgers, The State University, 137 Church St, New Bruns-
wick, N.J. 08903.
- STERNLIGHT, DR. DAVID. Mathematical Economics, Operations Research.
See L-Z Vol, 11th ed, Soc. & Behav. Vols. New position: Dir. econ. plan-
ning, Litton Industries, Inc, 68- Address: 9370 Santa Monica Blvd, Beverly
Hills, Calif. 90213.
- STERRITT, DR. GRAHAM M(NOR). Psychology. See L-Z Vol, 11th ed,
Soc. & Behav. Vols. New information: Dir, McClelland Learning Inst, 69-
Address: Division of Clinical Psychology, University of Colorado Medical
Center, 4200 E. Ninth Ave, Denver, Colo. 80220.
- STESSIN, PROF. LAWRENCE, b. New York, N.Y., July 23, 11; m. 37. MAN-
AGEMENT. Ph.D.(pub. admin), N.Y. Univ., 57. Writer, *New York Times*,
33-38; contrib. ed, *Forbes Mag.*, 38-56; PROF. MGT, HOFSTRA, 58- Indus-
tri. Res. Asn.; Acad. Mgt. Labor relations; journalism. Publ: Employee
discipline, *Bur. Nat. Affairs*, 57, The practice of personnel and industrial
relations, *Pitman*, 64 & The disloyal employee, *Bur. Bus. Res.*, 69. Ad-
dress: Dept. of Business Administration, Hofstra University, Hempstead,
N.Y. 11550.
- STETTNER, DR. WALTER F(RITZ). Economics. See L-Z Vol, 11th ed, Soc. &
Behav. Vols. New position: Dir. off. econ. policy, 69-, Bureau for Viet-
nam, Agency for International Development, Dept. of State, Washington,
D.C. 20523.

STEVENS, DR. ALDEN JAY. Political Science. See L-Z Vol, 11th ed, Soc. & Behav. Vols. New information: Ph.D., Maryland, 69. Address: Dept of Political Science, California State College, Long Beach, Calif. 90801.

STEVENS, DR. DAVID A. b. San Francisco, Calif. Aug. 27, 32; m. 56; c. 4. COMPARATIVE PSYCHOLOGY, PSYCHOPHARMACOLOGY. A.B. California, Berkeley, 54; Nat. Inst. Health fel, Oregon, 62-64; M.A. 63, Ph.D. (comp. psychol), 65. Instr. PSYCHOL, Oregon, 64-65; asst. prof. CLARK, 65-69, ASSOC. PROF, 69- Consult, Worcester Found. Exp. Biol, 68-; vis. scientist, Utrecht, 70. U.S.C.G.R. 55-58, Lt.(jg). AAAS; Psychol. Assn; Psychonomic Soc. Discrimination learning theory; comparative psychology of learning; role of brain hormones on behavior. Address: Dept. of Psychology, Clark University, Worcester, Mass. 01610.

STEVENS, REV. EDWARD VINCENT, S.J. Philosophy. See 5th ed, Dir. Am. Scholars, Vol. IV, Philos, Relig. & Law.

STEVENS, DR. EVELYN P(ANIAGUA). Political Science. See L-Z Vol, 11th ed, Soc. & Behav. Vols. New position & address: Lectr, 69- Case Western Reserve University, 506 Crawford Hall, Cleveland, Ohio 44106.

STEVENS, DR. GLADSTONE TAYLOR, JR. Operations Research, Economic Analysis. See Suppl. VI to 11th ed, Phys. & Biol. Vols.

STEVENS, HARVEY ALONZO, b. West Allis, Wis. Oct. 20, 13; m. 40; c. 1. MENTAL RETARDATION EDUCATION. B.S. Wisconsin-Milwaukee, 39, Wisconsin, Madison, 46-51. Teacher, pub. schs, Wis. 39-43; prin, North. Wis. Colony & Training Sch, Chippewa Falls, 44-46; state supvr, Bur. Handicapped Children, 46-48; supt. South. Wis. Colony & Training Sch, Union Grove, 48-55; E.R. Johnsons Training & Res. Center, Bordenwood, N.Y. 55-58; Cent. Wis. Colony & Training Sch, Madison, 58-69; DIR. BUR. MENT. RETARDATION, DEPT. HEALTH & SOC. SERV, WIS, 69- Lectr, Wisconsin, Madison, 53- Consult, Nat. Assn. Retarded Children, 51-62; United Cerebral Palsy Assn, Inc, 51-69; Dept. Health, Ed. & Welfare, 56-; President's Panel Ment. Retardation, 62-64; President's Cmt. Ment. Retardation, 67- Distinguished Serv. Award, Wis. Assn. Retarded Children, 64; Int. Leadership Award, Joseph P. Kennedy, Jr. Found, 68; Distinguished Serv. Award, Wis. Acad. Sci, Arts & Letters, 68. Assn. Ment. Deficiency. Education of mentally retarded and development of programs and services to respond to their needs; developing innovative methods for delivery of services to the retarded. Publ: Co-ed. & auth. introd. Mental retardation: a review of research, Univ. Chgo, 64; auth. Use of human subjects for research. In: Proceedings of the International Copenhagen Congress for the Scientific Study of Mental Deficiency, Berlingske Bogtrykkeri Denmark, 65; co-auth. An international review of developments in mental retardation, Ment. Retardation, 4/68. Address: Division of Mental Hygiene, Bureau of Mental Retardation, 1 W. Wilson St, Madison, Wis. 53702.

STEVENS, DR. JAMES W. b. Swansea, S.C. Mar. 2, 38; m. 56; c. 3. POLITICAL SCIENCE. B.A. Fla. State, 62, M.A., 64, Ph.D. (polit. sci), 66. Res. assoc, urban res. center, Fla. State, 66; asst. prof. polit. sci, Maryland, 66-69; ASST. DIR, INST. URBAN AFFAIRS, TEXAS, ARLINGTON, 69- U.S.A. 56-59, Res. 59-66. Soc. Pub. Admin; Polit. Sci. Assn; Urban & Regional Info. Sys. Assn. Urban and regional information systems; organization theory; public administration; data and statistics use in planning, management, and organization. Publ: Governmental organization in east central Florida, Inst. Soc. Res, Fla. State Univ, 67; State-regional information systems: the criminal justice component, Inst. Urban Affairs, Univ. Texas, Arlington, 70. Address: Institute of Urban Studies, University of Texas at Arlington, Arlington, Tex. 76010.

STEVENS, DR. NANCY DUNCAN, b. Passaic, N.J. Aug. 6, 24. COUNSELING, HISTORY. A.B. Barnard Coll, 47; M.A., N.Y. Univ, 50. H.D.(counseling), 60. Res. assoc, div. adv. studies, N.Y. Univ, 53-54; asst. dir, placement serv, 54-60; assoc. dir, career counseling & placement bur, UNITER COL, 60-68, ASST. PROF. VOC. BEHAV. COLLOQUIUM, DEPT. COUNSELING & STUDENT DEVELOP. & COORDINATOR GEN. COUNSELING, OFF. DEAN STUDENTS, 68- Summers, instr. dept. guid. & student personnel admin, N.Y. Univ, 58-59, 61, lectr, 63-65, vis. asst. prof, 66-68. Personnel & Guid. Assn; Nat. Voc. Guid. Assn. Job seeking behavior; vocational development; student attitudes. Publ: A concept of placement readiness, Voc. Guid. Quart, spring 62; co-auth. The dynamics of job-seeking behavior, J. Employment Counseling, 6/67 & Who and what influence student attitudes toward occupations, J. Col. Placement, 2-5/68. Address: 54 East Eighth St, New York, N.Y. 10003.

STEVENS, DR. RICHARD E(DWARD), b. Minneapolis, Minn, Mar. 5, 31; m. 53; c. 2. GEOGRAPHY. B.S. in Ed, Concordia Teachers Col.(Neb), 52; M.A. Colorado, 58; Ph.D.(geog), Kansas, 62. Teacher, parochial sch, Tex, 52-54; asst. prof. GEOG, Neb. State Teachers Col, Wayne, 61-63; COLORADO, DENVER, 63-65; ASSOC. PROF. & ASSOC. CHM. DEPT, 69- Fulbright lectr, Univ. Botswana, Lesotho & Swaziland, 67-68; vis. summer prof, Massachusetts, 65. Eng.C. U.S.A. 55-57. AAAS; Assn. Am. Geog; Am. Geog. Soc. Agricultural geography, especially land tenure and agricultural practices among primitive peoples; micrometeorology and production of crops. Publ: Co-auth. Laboratory manual-Geomorphology & Laboratory manual-weather and climate, Univ. Colorado, 65, 68; auth. The development of cattle feeding on the Llano Estacado of Texas-New Mexico, Univ. Colorado, 66. Address: Dept. of Geography, University of Colorado-Denver Center, Denver, Colo. 80202.

STEVENS, PROF. ROBERT BOCKING. Law. See 5th ed, Dir. Am. Scholars, Vol. IV, Philos, Relig. & Law.

STEVENSON, DR. ROBERT C(LARK). Social Science. See L-Z Vol, 11th ed, Soc. & Behav. Vols. Change of address: 1301 Plarman Dr, Apt. 7, Walnut Creek, Calif. 94595.

STEVENSON, DR. ROBERT FNDLAY, b. Lowell, Mass, Mar. 11, 23; m. 60. ANTHROPOLOGY. A.B. Columbia Col, 48; Ph.D.(anthrop), Columbia, 65. Assoc. ANTHROPOLOGY, Columbia, 63; lectr, Hunter Col, 64-65; asst. prof,

STATE UNIV. N.Y. STONY BROOK, 66-68, ASSOC. PROF, 68- Nat. Inst. Ment. Health res. fel. & grant, 65-66; chmn, seminar ecol. systs. & cultural evolution, Columbia, 69-; Nat. Sci. Found. summer instr, adv. high sch. students, Brooklyn Children's Mus, 68. U.S.A.A.F. 43-45, Sgt. AAAS; fel. Anthropol. Assn; fel. African Studies Assn; fel. Am. Geog. Soc; Int. African Inst. Human ecology; comparative political systems and evolution of the state; development of anthropological theory; social organization. Publ: Population and political systems in tropical Africa, Columbia Univ. 68. Address: 179 Bennett Ave, 7G, New York, N.Y. 10040.

STEWART, DR. DONALD D. b. Liberty Center, Ohio, Sept. 6, 23; m. 56; c. 2. AGRICULTURAL ECONOMICS. B.Sc. Ohio State, 49, Ph.D.(agr. econ), 60. Teacher, high sch, Ohio, 49-50; farm mgt. specialist, farmers home admin, U.S. Dept. Agr, Ohio, 50-53, agr. economist, econ. res. serv, 56-61; asst. agr. econ, Ohio State, 54-56, asst. prof. agr. & econ. adv, Punjab, India, 61-63; int. agr. economist, ECON. RES. SERV, U.S. DEPT. AGR, WASH, D.C., 63-65, AGR. ECONOMIST, 65- Mem. expert cmt. eval. intensive agr. develop. prog, Govt. of India, 61-63. Superior serv. unit award, U.S. Dept. Agr, 66, merit award, 69. U.S.N. 43-46. Agr. Econ. Assn. Economic development of rural segment of American economy; economic development, primarily of agriculture, within underdeveloped countries throughout the world. Publ: Income, employment and resource use of rural families in Southeastern Ohio, Ohio State Univ, 60; co-auth. Agriculture in 26 developing countries, 66 & auth. Impact of economic opportunity loans on rural residents, 68, U.S. Dept. Agr. Address: 6305 Thomas Dr, Springfield, Va. 22150.

STEWART, DR. MARGARET C(AROLYN) ST(OUT). Psychology. See L-Z Vol, 11th ed, Soc. & Behav. Vols. New position & address: Asst. clin. prof. psychol, 69-, Dept. of Psychiatry, Medical School, University of California, Davis, Calif. 95606.

STEWART, DR. ANDREW. Agricultural Economics. See L-Z Vol, 11th ed, Soc. & Behav. Vols. Change of address: Alberta Universities Commission, 202 Sir John Franklin Bldg, 11111 87th Ave, Edmonton, Alta, Can.

STEWART, DR. BARBARA S(HERBURNE). Psychology. See L-Z Vol, 11th ed, Soc. & Behav. Vols. New position: Exec. dir, 69-, Psychiatric Clinic, Recorder's Court, Detroit, Mich. 48228.

STEWART, DR. EDWARD C(HARLES) P(EREIRA). Social Psychology. See L-Z Vol, 11th ed, Soc. & Behav. Vols. New position & address: Assoc. prof, 68-, Dept. of Intercultural Communication, University of Delaware, Newark, Del. 19711.

STEWART, PROF. E(MMA) ELIZABETH. Psychology. See L-Z Vol, 11th ed, Soc. & Behav. Vols. New position: Prog. dir, Ed. Testing Serv, 69- Address: 24 Moore's Mill-Mt. Rose Rd, Pennington, N.J. 08534.

STEWART, DR. G. KINSEY. Psychology. See L-Z Vol, 11th ed, Soc. & Behav. Vols. New information: Clin. psychologist, 69- Address: 111 Buena Vista Dr, Long Beach, Miss. 39560.

STEWART, PROF. G. T. b. Quinton, Ala. Aug. 12, 32; m. c. 2. ECONOMICS. B.S. Samford, 60; M.B.A. Alabama, 61, Ph.D.(econ), 66. Instr. econ, Samford, 61-63; asst. prof. BUS. ADMIN, Tennessee, Martin, 63-65; PROF, TROY STATE, 65- Econ. Assn. Economic growth. Publ: Per capita income and employment in the Southeast, Ala. Bus, 12/67; The role of Alabama's labor force in the state's economic growth, 1940-60, J. Ala. Acad. Sci, 4/68. Address: Dept. of Business Administration, Troy State University, Troy, Ala. 36081.

STEWART, DR. HENRY H, JR. b. Windber, Pa. Aug. 3, 37; m. 66. SOCIOLOGY. A.B. Franklin & Marshall Col, 59; M.A. Miss. State, 61; fel. Fla. State, 61-62, Ph.D.(sociol), 68. Res. assoc. SOCIOL. inst. soc. res. Fla. State, 62-65; asst. prof. RICHMOND, 66-68, ASSOC. PROF, 68- Am. Acad. Arts & Sci. Effects of housing improvements on attitudes of slum dwellers; studies of conditions underlying overt racial conflict in urban areas. Address: Dept. of Sociology, P.O. Box 234, University of Richmond, Richmond, Va. 23173.

STEWART, DR. KENNETH D. Psychology. See L-Z Vol, 11th ed, Soc. & Behav. Vols. New position & address: Assoc. prof. & chmn, 68-, Dept. of Psychology, Augusta College, Augusta, Ga. 30904.

STEWART, DR. PHILIP D. b. Brockton, Mass, Jan. 16, 38; m. 61; c. 2. POLITICAL SCIENCE. B.A. Northwestern, 60; fel. Indiana, 61, M.A., 62, Ph.D. (polit. sci), 65- Inter-Unt. Cmt. Travel Grants fel, Moscow, 63. Asst. prof. POLIT. SCI, OHIO STATE, 64-69, ASSOC. PROF, 69- Mershon Soc. Sci. Prog. grant-in-aid, Ohio State, 67, Fulbright-Hays fel, 68; summer, faculty fel, 69. Polit. Sci. Assn. Assn. Adv. Slavic Studies. Soviet internal politics and the study of the state and interests groups with a major focus on the Communist Party and the decision making process. Publ: Political power in the Soviet Union, Bobbs, 68; Soviet interest groups and the policy process: the repeal of production education, World Polit, 10/68; Khrushchev-Brezhnev-Kosygin-the leadership debate continues, ALARS, Garmish, Germany, 68. Address: Dept. of Political Science, College of Social & Behavioral Sciences, Ohio State University, 210 N. Oval Dr, Columbus, Ohio 43210.

STEWART, DR. WILLIAM HISTASPAS, b. Decatur, Ala. Aug. 20, 39. POLITICAL SCIENCE. B.A. Alabama, 60, Ph.D.(polit. sci), 68; M.A., George Washington, 61. ASST. PROF. POLIT. SCI, The Citadel, 68-69; ALABAMA, 69- Polit. Sci. Assn. Study of problems and policies related to cooperation between governments at the local level; politics of water transportation. Publ: The allocation of public functions: political and economic criteria, N.Cent. Ala. Regional Planning & Develop. Cmn, 70. Address: P.O. Box 703, University, Ala. 35486.

STICE, DR. GLEN F(RANKLIN). Psychology. See L-Z Vol, 11th ed, Soc. & Behav. Vols. Change of address: 2 Charlton St, Apt. 2B, New York, N.Y. 10014.

- STICKNEY, LT. COL. FRANK A. U.S.A.F., b. Hartford, Conn., Aug. 9, 29; m. 51; c. 1. MANAGEMENT, BEHAVIORAL SCIENCE. B.S. in B.A. Boston, 51; M.B.A. Air Force Inst. Tech., 55; Ph.D.(mgt), Ohio State, 69. U.S. AIR FORCE, 51-, acct. finance officer, 51-58, spec. asst. missile sys. prog., Boston Procurement Dist., 58-61, res. & develop. mgt., Air Force Ed-With-Indus. res. & adv. develop. div., Avco Corp., Wilmington, Mass., 61-62, prog. mgt. procurement & prod. commun. sys., Electronics Sys. Div., 62-65, mgt. inspector, Sys. Command, 65-67; ASSOC. PROF. SYST. MGT., AIR FORCE INST. TECH., 69- Lectr., Northeastern 58-65; Wright State, 68- Acad. Mgt. Organization theory and behavior; organizational designs for program management. Address: Dept. of Systems Management, Air Force Institute of Technology, Wright-Patterson Air Force Base, Ohio 45433.
- STILES, PROF. LINDLEY JOSEPH. Sociology, Political Science. See L-Z Vol. 11th ed, Soc. & Behav. Vols. New publ.: Education, In: Introduction to college ser., Putnam, 69. Address: Old College, Northwestern University, Room 301, Evanston, Ill. 60201.
- STILLMAN, DR. CALVIN W(HITNEY). Economics. See L-Z Vol. 11th ed, Soc. & Behav. Vols. New position & address: Prof., 68-, Dept. of Environmental Resources, College of Agriculture, Rutgers University, New Brunswick, N.J. 08903.
- STILLMAN, DR. EDMUND, b. New York, N.Y., Sept. 27, 24; m. 47; c. 3. POLITICAL SCIENCE, HISTORY. B.A. Yale, 45; J.D. Columbia, 47. For. Serv. Officer, U.S. Dept. State, 47-51; chief res. & anal. Radio Free Europe, 52-58; v-pres. Walker & Co., 58-61; SR. ASSOC., Hudson Inst., 62-67; WASH. CENTER FOR POLICY RES., 67- Rockefeller Found. fel. int. rels., 62; ad. prof., Hopkins Sch. Adv. Int. Studies, D.C. 68-; ASSOC., Sandia Corp., 64-; Hudson Inst., 67-; Mitre Corp., 67- U.S.M.C., 44. Soviet area studies; United States foreign policy, especially European security and United States relations with the Third World. Publ.: Co-auth. The new politics, Coward, 61 & Power and impotence: the failure of America's foreign policy, Random, 66; auth. The isolation years: America from Versailles to Pearl Harbor. Am. Heritage, 70. Address: Johns Hopkins University School of Advanced International Studies, 1740 Massachusetts Ave. N.W., Washington, D.C. 20036.
- STIMBERT, DR. VAUGHN ELDEN. Psychology. See L-Z Vol. 11th ed, Soc. & Behav. Vols. New position & address: Asst. prof., 69-, Child Development Center, University of Tennessee Medical Units, 711 Jefferson Ave., Memphis, Tenn. 38105.
- STIMSON, DR. ROGER CLARKE, b. Dec. 25, 29; U.S. citizen; m. 53; c. 3. PSYCHOLOGY. B.A., Wesleyan, 51; B.D. Drew, 54; Ph.D.(psychol.), Columbia, 66. Asst. prof. counseling, MICH. STATE, 65-67; ASSOC. PROF. PSYCHOL., JUSTIN MORRILL COL., 67- Psychol. Am. Person perception; group dynamics; personal growth and development; psychotherapy. Publ.: Structural differentiation of description, J. Counseling Psychol., 68. Address: 3642 E. Hiawatha Dr., Okemos, Mich. 48864.
- STINI, DR. WILLIAM ARTHUR. Human Biology, Physical Anthropology. See Suppl. VI to 11th ed, Phys. & Biol. Vols.
- STINNETT, DR. RAY DARRELL, b. Augusta, Kans., July 16, 33; m. 55; c. 3. PSYCHOLOGY. B.A., Cent. Wash. State Col., 61, M.A., 62; Nat. Inst. Ment. Health fel. & D.ed.(ed. psychol.), Oregon, 68. Instr. psychol., Cent. Wash. State Col., 61-62; sch. psychologist, Wash., 62-65; asst. prof. PSYCHOL. Lane Community Col., 66-68; ASSOC. PROF., EAST. ORE. COL., 68- U.S. Off. ed. grant, 68-69. U.S.A.F. 51-58, 58/Sgt. Psychol. Asn. Role learning methodological studies; operant research. Publ.: Retention in retarded and nonretarded children as a function of learning method, Am. J. Ment. Deficiency, (in press). Address: Dept. of Psychology, Eastern Oregon College, La Grande, Ore. 97850.
- STIPE, DR. CLAUDE E(DWIN). Anthropology. See L-Z Vol. 11th ed, Soc. & Behav. Vols. New information: Ph.D.(anthrop.), Minnesota, 68. Assoc. prof. Dept. of Sociology & Anthropology, Marquette University, Milwaukee, Wis. 53233.
- STIVERS, PROF. EUGENE H(AMLETT). Social Psychology. See L-Z Vol. 11th ed, Soc. & Behav. Vols. New information: Also acting chmn., 68-, Dept. of Educational Psychology, Temple University, Philadelphia, Pa. 19122.
- STOCK, REV. MICHAEL, O.P. Philosophy, Psychology. See 5th ed, Dir. Am. Scholars, Vol. IV, Philos. Relig. & Law.
- STOCKMAN, PROF. LYNN HOMER. Marketing. See L-Z Vol. 11th ed, Soc. & Behav. Vols. New information: Also acting head, Dept. of Marketing, College of Business, University of Arizona, Tucson, Ariz. 85721.
- STODDARD, DR. GEORGE D(INSMORE). Psychology. See L-Z Vol. 11th ed, Soc. & Behav. Vols. New position & address: Consult., 69-, JDR 3rd Fund, Inc., 50 Rockefeller Plaza, New York, N.Y. 10020.
- STODDARD, DR. MICHAEL M, b. Seattle, Wash., Apr. 2, 40. POLITICAL SCIENCE. B.A., California, Los Angeles, 62, Charles Fletcher Scott fel., 63-67, M.A., 64, Ph.D.(polit. sci.), 69. ASST. PROF. POLIT. SCI., Calif. State Col. Los Angeles, 67-68; POMONA COL., 68- Consult., Orgn. Econ. Opportunity, 66-67. United States and Soviet foreign policy; past and present United States consociation. Address: Dept. of Government, Pomona College, Claremont, Calif. 91711.
- STODDARD, THEODORE L(OTHROP). Anthropology. See L-Z Vol. 11th ed, Soc. & Behav. Vols. New information: Consult. ed. World Affairs, 69- Address: Institute for Cross-Cultural Research, 4000 Albermarle St. N.W., Washington, D.C. 20016.
- STOETZER, DR. O. CARLOS. History of Latin America & Africa. See 5th ed, Dir. Am. Scholars, Vol. I, Hist.
- STOFFER, PROF. DEAN LEWIS, b. Mansfield, Ohio, Oct. 17, 34; m. 60; c. 3. PSYCHOLOGY, SPECIAL EDUCATION. B.A., North Cent. Col.(Ill.), 58; M.A., Ohio State, 59, fel. & Ph.D.(spec. ed), 68. Teacher, pub. schs., Mich., 58-59; sch. counsr., high sch., Ohio, 59-61; intern. psychologist, pub. schs., Ohio, 61-62; sch. psychologist, 62-66; res. assoc. psychol., Ohio State, 66-68; psychol., Cent. Ohio Ment. Health Clin. & Guid. Center, 68; assoc. prof. psychol., EDINBORO STATE COL., 68-69, PROF. SPEC. ED., 69- Mem. bd. dirs., J. Sch. Psychol., 67- Psychol. Asn. Co-Auth. Children. Therapeutic intervention; parental pathology. Address: R.D. 3, Erie Rd., Edinboro, Pa. 16412.
- STOHR, DR. WALTER B, b. Vienna, Austria, Aug. 20, 28; m.; c. 2. GEOGRAPHY, ECONOMICS. Dipl. Univ. Commerce, Vienna, 52, Ph.D.(econ. geog.), 63. Chief economist, Austrian Inst. for Urban & Regional Planning, Vienna, 55-64; sr. regional planning adv., Ford. Found., Chile, 64-69; ASSOC. PROF. GEOG., McMASTER, 69- Chmn. res. prog. cmt. Ont. Coop. Prog. in Latin Am. & Caribbean Studies, 69; regional development planning consult., UN Econ. Cmn. for Latin Am., 69-70. Regional Sci. Asn.; Chilean Planning Asn. Theory of spatial development; strategies for regional development; the impact of public investment upon regional development; evaluation of regional development programs in Latin America. Publ.: Development planning for depressed areas—a methodological approach, J. Am. Inst. Planners, 5/64; The role of regions for development in Latin America, In: Vol. III, Regional studies, Pergamon, 69; co-auth. Economic integration and the spatial development of South America, Am. Behav. Scientist, 5-6/69. Address: Dept. of Geography, McMaster University, Hamilton, Ont., Can.
- STOKES, PROF. EDWARD D, b. Sidney, Nebr., Mar. 8, 22; m. 46, 53; c. 4. SOCIOLOGY. B.A., Colorado, 43, M.A., 67; Red Cross fel., Catholic Univ., 45, M.S., 46; fel., Denver, 66-67. Instr. sociol., Marymount Col. (N.Y.), 46-47; asst. prof., Pol. Sci., 47-53; soc. worker, Colorado, 53-57; Soc. Sec. Welfare, 53-57; soc. work superv., State Dept. Pub. Welfare, 57-60; dir. eve. div. & adult ed., Regis Col.(Colo.), 60-64; asst. prof. SOCIOL., BEMIDJI STATE COL., 64-69, ASSOC. PROF. & CHMN. DEPT., 69- U.S.A.F., 41-43. Sociol. Asn. Soc. Gen. Sys. Res; fel. Royal Anthropol. Inst. Gt. Brit. & Ireland. Social history and theory; sociology of areas of development; Christianity. Publ.: Subcultural patterns in rural-urban delinquency, 66 & co-auth. The rural family, primary relationships and the school dropout, 66, Clearinghouse Sociol. Lit. Address: Dept. of Sociology, Bemidji State College, Bemidji, Minn. 56601.
- STOLLER, DR. FREDERICK H(ERBERT), b. New York, N.Y., Feb. 26, 24; div; c. 1. PSYCHOLOGY. B.S. Columbia, 51; Ph.D.(psychol.), California, Los Angeles, 64. Clin. intern. Vet. Admin. Los Angeles, Calif., 53-57; clin. psychologist, Camarillo State Hosp., 58-64, sr. psychologist, 64-66; ASSOC. PROF. PUB. ADMIN., SOUTHERN CALIFORNIA, 67- SR. RES. ASSOC., U.S.B. SYST. RES. DIV., 69- youth studies center, 66-69. Consult., Calif. State Dept. Rehab., 65-66; clin. training prof. psychol., dept. California, Los Angeles, 67-68; Calif. Youth Authority, Esperanza Spec. Parole Proj., 67-69; Camarillo State Hosp., 69-; Vet. Admin., Palo Alto, 69- U.S.A.F., 42-45, Sgt. Psychol. Asn. Marathon groups and video tape feedback in the group setting; development of training programs in group leadership and research in small groups; exploring encounter and growth groups. Publ.: Marathon group therapy and focused feedback with video tape, In: Innovations to group psychotherapy, C.C. Thomas, 68; Accelerated interaction: a time-limited approach based on the brief, intensive group, Int. J. Group Psychother., 68; A stage for trust, In: Encounter: theory and practice of encounter groups, Jossey-Bass, 69. Address: Public Systems Research Institute, University of Southern California, Los Angeles, Calif. 90007.
- STOLNITZ, PROF. GEORGE J(OSEPH), b. New York, N.Y., Apr. 4, 20; m. 47; c. 3. ECONOMICS, STATISTICS. B.A., City Col. New York, 39; M.A., Princeton, 42, Ph.D.(econ. demog.), 52. Statist. analyst, New York City Dept. of Econ., 39-49; asst. econ., 41-42; res. assoc. off. pop. res., Princeton, 48-53, asst. prof. ECON. 53-56; assoc. prof. INDIANA, 56-59, PROF. 59- DIR. INT. DEVELOP. RES. CENTER, 66- Nat. Sci. Found. res. fel., 59-60; vis. prof., Kiel, 63. Summer consult. pop. div., UN, 47. Mem. 1960 pop. census monogr. cmt. Soc. Sci. Res. Coun.-U.S. Bur. Census, 61-; tech. adv. cmt. U.S. Bur. Census, 65-; life tables cmt. U.S. Dept. Health, Ed. & Welfare, 64- U.S.A.F., 42-46, Capt. Pop. Asn.(v-pres), 62; Econ. Asn. Economet. Soc. Economic development; population; quantitative economic methodology; sample survey techniques; manpower, especially migration. Publ.: Life tables from limited data: a demographic approach, 56 & US employment and unemployment statistics: an evaluation, 62, Princeton Univ. Address: International Development Research Center, Indiana University, 703 E. Seventh St., Bloomington, Ind. 47405.
- STOLUROW, DR. LAWRENCE M(ARMER). Psychology. See L-Z Vol. 11th ed, Soc. & Behav. Vols. Change of address: 62 Sherburne Rd., Lexington, Mass. 02173.
- STOLZ, DR. STEPHANIE BALOG, b. Syracuse, N.Y., June 27, 38. PSYCHOLOGY. B.A., Reed Col., 59; U.S. Pub. Health Serv. fel., Washington (Seattle), 60 & 62-63, M.S., 61, Ph.D.(psychol.), 63. Instr. psychol., Beloit Col., 63-65, asst. prof. & deputy chmn. dept., 65-67; dir. res. Jewell Found. Res. Children, 67-70; CHIEF SMALL GRANTS SECT., DIV. EXTRA-MURAL RES. PROJ., NAT. INST. MENT. HEALTH, 70- Res. assoc., behav. res. lab., Anna State Hosp., 65; U.S. Pub. Health Serv. fel. dept. human develop., Kansas, 66-67; asst. prof. sch. med., Hopkins, 69-, assoc. dir. Nat. Sci. Found. Summer Inst. Contemporary Psychol., Beloit Col., 64 & 65. Adv. ed., J. Exp. Anal. Behav., 65; consult. American Univ., 66-70; Behav. Ed., J. Appl. Behav. Anal., 68-; consult. div. res. planning & eval., D.C. Pub. Schs., 70- Psychonomic Soc. Psychol. Asn. Behavior modification; conditioning and learning. Publ.: Co-auth. Establishment in rats of a persistent response producing a net loss of reinforcement, J. Comp. & Physiol. Psychol., 64, auth. Vaso-motor response in human subjects: conditioning and pseudo-conditioning, Psychonomic Sci., 65; co-auth. Visual discrimination in a blind adolescent retardate, J. Appl. Behav. Anal., 69. Address: 10105 Windstream Dr., Columbia, Md. 21043.
- STOLZ, DR. WALTER SARCENT, b. Milwaukee, Wis., Dec. 12, 38; m. 60; c. 3. PSYCHOLOGY, LINGUISTICS. B.S., Wisconsin, 60, M.S., 62, Ph.D., 64. Nat. Sci. Found. fel., center cognitive studies, Harvard, 64-65; ASST. PROF. PSYCHOL., TEXAS, AUSTIN, 65- Psychol. Asn.; Ling. Soc. Am. Psycho-

- linguistics; language acquisition; sociolinguistics. Publ: A study of the ability to decode grammatically-novel sentences. *J. Verbal Learning & Verbal Behav.* 67; co-auth. Transitional probability is not a general mechanism for the segmentation of speech. *J. Exp. Psychol.* 69; auth. Some experiments with queer sentences. *Lang. & Speech.* 70. Address: Dept. of Psychology, University of Texas, Austin, Tex. 78712.
- STONE, DR. BRYCE DOUGLAS, JR. b. Cookeville, Tenn. Apr. 4, 27; m. 65; c. 1. **PSYCHOLOGY, MANAGEMENT.** A.B. George Washington, 49; M.S. Tennessee, 56; Ford Found. fel. 57-59, Ph.D. (psychol.) 68. Foreman, prod. dept. Crosley Div, Avco Corp. 52-53; instr. econ. col. bus. admin. Tennessee, 53-56, mgt. 56-63; specialist mgt. develop. Martin-Orlando Div, Martin-Marietta Corp. 63-65; coordinator personnel develop. corp. staff, Tex. Instruments Inc. 65-67, mgr. corp. personnel info. 67-68; ASSOC. PROF. MGT. COL. BUS. ADMIN. TEXAS A&M, 68. Consult. Qual. Foods, Inc. Tenn. 61; Magnavox of Tenn. 62-63; Assoc. Indus. of Tenn. 63; Safe-guard Agency, U.S. Army, 69. Agr. Stabilization & Conserv. Serv. U.S. Dept. Agr. Tex. & Okla. 69; Ralph Wilson Plastics, Inc. Tex. 69. U.S.N.R. 45-46, Res. 46-59, Ens. Psychol. Asst. Soc. Personnel Admin. Indust. Rel. Res. Assn. Organization and manager development; employee motivation; performance appraisal; personnel information systems; manpower planning. Publ: Reorganizing—more than drawing a new chart, Personnel Admin. 65 & Why attitudes count, Suprvy. Mgt. 70. Address: 1305 Glade St. College Station, Tex. 77840.
- STONE, DR. GIDEON BART. **Psychology, Physiology.** See L-Z Vol. 11th ed. Soc. & Behav. Vols. New position: Chief, 69, Division of Mental Health Service Programs, National Institute of Mental Health, 9454 Wisconsin Ave, Chevy Chase, Md. 20015.
- STONE, IRVING R(ODNEY). **Psychology.** See L-Z Vol. 11th ed. Soc. & Behav. Vols. New position: Staff servs. dir. 69, Fairview State Hospital, Costa Mesa, Calif. 92626.
- STONE, DR. JEREMY J. **Mathematics, Political Science.** See L-Z Vol. 11th ed. Soc. & Behav. Vols. New position: Int. affairs fel. Coun. on For. Rel. New York, 69. Address: 2644 G St. S.W., Washington, D.C. 20024.
- STONE, PROF. KIRK H(ASKIN). **Geography.** See L-Z Vol. 11th ed. Soc. & Behav. Vols. New position: Res. prof. 69, Dept. of Geography, University of Georgia, Athens, Ga. 30601.
- STONE, PROF. LEO D. **Finance, Accounting.** See L-Z Vol. 11th ed. Soc. & Behav. Vols. Change of address: 1463 Carriage Rd, Powell, Ohio 43065.
- STONESIFER, PROF. GILBERT R(OSS). **Economics.** See L-Z Vol. 11th ed. Soc. & Behav. Vols. New information: Retired, Mt. Union Col. 70. Address: 1794 Lilly Lane, Alliance, Ohio 44601.
- STONESIFER, JOSEPH NOVAK. **Public Administration.** See L-Z Vol. 11th ed. Soc. & Behav. Vols. New position: Assoc. prof. bus. admin. & grad. couns. personnel mgt. George Washington, 69. Address: 3137 Valley Lane, Falls Church, Va. 22044.
- STORER, DR. JAMES A(LLEN). **Economics.** See L-Z Vol. 11th ed. Soc. & Behav. Vols. New position & address: Dir. econ. & prod. 69, Dept. of Fisheries, Food & Agricultural Organization of UN, Via delle Terme di Caracalla, 00100 Rome, Italy.
- STORER, PROF. MORRIS BREWSTER. **Philosophy, Humanities.** See 5th ed. Dir. Am. Scholars, Vol. IV, Philos. Relig. & Law.
- STORER, DR. NORMAN W(ILLIAM). **Sociology.** See L-Z Vol. 11th ed. Soc. & Behav. Vols. New information: Prof. sociol. & chmn. dept. Bernard M. Baruch Col. 70; consult. Soc. Sci. Res. Coun. 70. Address: 23 Midway Rd, White Plains, N.Y. 10607.
- STOTT, PROF. D.H. **Psychology.** See L-Z Vol. 11th ed. Soc. & Behav. Vols. New information: Assoc. chmn. 69, Center for Educational Disabilities, University of Guelph, Guelph, Ont. Can.
- STOUGHTON, DR. ROBERT W(ETMORE). **Counseling, Educational Psychology.** See L-Z Vol. 11th ed. Soc. & Behav. Vols. New position: Dir. div. instr. serv. 68, Connecticut State Dept. of Education, Hartford, Conn. 06115.
- STOUT, PROF. DAVID B(OND). **Anthropology.** See 11th ed. Soc. & Behav. Vols. deceased.
- STOUT, PROF. HIRAM M(ILLER). **Political Science.** See L-Z Vol. 11th ed. Soc. & Behav. Vols. New position: Prof. int. affairs & polit. sci. George Washington, 69. Address: 4000 Cathedral Ave, Washington, D.C. 20016.
- STOVALL, DR. JOHN GUY. b. Highway Ky, July 16, 32; m. 58; c. 2. **AGRICULTURAL ECONOMICS.** B.S. Tennessee Tech. 54; M.S. Kentucky, 60. Ph.D. (agr. econ.) 62. Asst. agr. econ. Kentucky, 57-62; agricultural economist, Tenn. Valley Authority, 62-64; ECON. RES. SERV. U.S. DEPT. AGR. 64-67; HEAD SOUTH. FIELD GROUP, 67. Ad. asst. prof. agr. econ. Kentucky, 65-67, adj. assoc. prof. 69; Am. Agr. Econ. Assn. travel grant, Int. Agr. Econ. Acad. Cert. Soc. Workers, Correctional Assn. Nat. Coun. Crime & Delinquency. Agr. Econ. Assn. Int. Assn. Agr. Econ. Production economics; agricultural resource allocation; agricultural policy. Publ: Chap. In: A linear programming application to resource allocation on institutional farms in Kentucky, Int. Bus. Mach. Corp. 62; Income variation and selection of enterprises, Am. J. Agr. Econ. 12/66; chap. In: Changing resource requirements on farms in the South, N.C. State Univ. 69. Address: Dept. of Agricultural Economics, University of Kentucky, Lexington, Ky. 40506.
- STOVER, DR. STEPHEN LEECH. **Geography.** See L-Z Vol. 11th ed. Soc. & Behav. Vols. New position: Assoc. prof. 69, Division of Geography, Kansas State University, Manhattan, Kans. 66502.
- STRAHAN, DR. ROBERT F(ARRELL). b. Girard, Kans. May 6, 39; m. 64. **PSYCHOLOGY.** B.A. Kans. State Col. Pittsburg, 61; Nat. Sci. Found. fel. Chicago, 62-63; Nat. Inst. Ment. Health fel. Minnesota, 63-67, Ph.D. (psychol.) 67. NATO fel. sci. dept. psychol. inst. psychiat. London, 67-68; ASST. PROF. PSYCHOL. ROCHESTER, 68. Psychol. Asst. Soc. Psychophysiol. Res. Personal. psychology; psychophysiology; psychological measurement and statistics. Publ: A coefficient of directional correlation for time-series analyses, Dept. Psychiat. Univ. Minnesota, 66; co-auth. Some properties of skin conductance and potential, 68 & auth. A simple device for the polygraphic recording of judgments, 70, Psychophysiology. Address: Dept. of Psychology, University of Rochester, Rochester, N.Y. 14627.
- STRAND, DR. ALAN L(AWRENCE). **Psychology.** See L-Z Vol. 11th ed. Soc. & Behav. Vols. New position: Pres. & dir, Mt. Corp. 68. Address: 601 S. Brainerd Ave, La Grange, Ill. 60525.
- STRANDBERG, DR. JAMES MICHAEL. b. Milwaukee, Wis. Apr. 10, 38; m. 63; c. 1. **EXPERIMENTAL PSYCHOLOGY.** B.A. Carroll Col. (Wis.) 60; M.A. Nevada, Reno, 62; Ph.D. (exp. psychol.) Purdue, 69. Asst. prof. psychol. Chico State Col. Calif. 67-68; vis. prof. exp. psychol. Wesleyan Col. (N.Y.) 68-69; ASST. PROF. STATIST. STATE UNIV. N.Y. COL. BROCKPORT, 69. Statist. consult. 67-68. Statistics; psychological measurement and perception; education in college. Address: Dept. of Psychology, State University of New York College at Brockport, Brockport, N.Y. 14620.
- STRANGWAYS, DR. RAYMOND SCOTT. b. Little Rock, Ark. June 20, 34; m. 58; c. 2. **ECONOMICS.** A.B. Vanderbilt, 55; Col. William & Mary, 58-59; Ph.D. (econ.) Tulane, 65. Lectr. ECON. Univ. Maryland & European Div. 63-64; ASSOC. PROF. Old Dominion, 64-67; GEORGIA STATE COL. 67. U.S.N. 55-58, Lt. Econ. Assn. Economic theory; business cycles. Publ: Co-auth. Food prices in low income areas, Ga. State Col. 69. Address: Dept. of Economics, Georgia State College, Atlanta, Ga. 30303.
- STRASMA, DR. JOHN DRINAN. b. Kankakee, Ill. Mar. 29, 32; m. 56; c. 5. **ECONOMICS.** A.B. DePaul, 53; Danforth fel. Harvard, 57-60, M.A. 58, Ph.D. (econ.) 60; Fulbright scholar, Chile, 59. Indust. engr. Procter & Gamble Mfg. Co. St. Louis, 53-54; res. asst. Fed. Res. Bank, Boston, 58-59; vis. prof. econ. grad. sch. econ. Chile, 60-64; economist, UN Secretariat, 64-65; vis. prof. econ. develop. land tenure center, WISCONSIN, MADISON, 65-68. ASSOC. PROF. ECON. 66. Lectr. training courses in Chile, Colombia & Peru for land reform officials, sponsored by Food & Agr. Orgn. UN, 63-64; UN Develop. Inst. Dakar, Senegal, 66. Fiscal policy adv. Bolivia, fielded by Econ. Cmn. Latin Am. UN, 61; prod. adv. Ford Found. Chile Prog. 67; consult. fiscal & financial br. UN Secretariat, 68. U.S.A. 54-56. Econ. Asst. Nat. Tax Assn.; Latin Am. Studies Assn. Agr. Econ. Asst.; Chile Planning Assn. Mobilization of domestic resources in less developed economies; evaluation of land reform programs; history and comparative study of tax reforms; interdisciplinary theories of economic and social development. Publ: Co-auth. Free trade zone in Latin America: some unsolved problems. Univ. Chile, 60; auth. Market enforced self assessment of taxes, Bull. Int. Fiscal Document, 1/10/65; Compensation in land reform programmes, In: Fourth report on progress in land reform, Secy-Gen, UN, 66. Address: Dept. of Economics, University of Wisconsin, Madison, Wis. 53706.
- STRATTON, DR. SAMUEL SOMMERVILLE. **Economics.** See 11th ed. Soc. & Behav. Vols. deceased 69.
- STRAUGHAN, DR. JAMES H(OLMES). **Psychology.** See L-Z Vol. 11th ed. Soc. & Behav. Vols. New position & address: Psychologist, 69, Experimental Education Unit, University of Washington, Seattle, Wash. 98105.
- STRAUSS, DR. ROBERT P. b. Cleveland, Ohio, May 11, 44; m. 69. **ECONOMICS.** B.A. Michigan, 66; M.A. Wisconsin, 68, Ph.D. 70. ASST. PROF. ECON. & STAFF MEM. INST. RES. SOC. SCI. NORTH CAROLINA, CHAPEL HILL, 69. Fel. Inst. Res. Poverty, 68-69. Econ. Asst.; Economist. Soc. Address: Dept. of Economics, University of North Carolina at Chapel Hill, Chapel Hill, N.C. 27514.
- STREET, PROF. JAMES H(ARRY). **Economics.** See L-Z Vol. 11th ed. Soc. & Behav. Vols. Change of address: Dept. of Economics, Rutgers, The State University, 192 College Ave, New Brunswick, N.J. 08903.
- STREITFELD, DR. JULIAN W(ARREN). **Clinical Psychology.** See L-Z Vol. 11th ed. Soc. & Behav. Vols. Change of address: Dept. of Psychology, University of Hartford, 200 Bloomfield Ave, West Hartford, Conn. 06117.
- STRIBLING, PROF. HERMAN A, JR. **Economics.** See L-Z Vol. 11th ed. Soc. & Behav. Vols. New position: Prof. 69, Dept. of Economics, East Tennessee State University, Johnson City, Tenn. 37601.
- STRICKLAND, DR. DONALD ALLEN. **Political Science.** See L-Z Vol. 11th ed. Soc. & Behav. Vols. New position & address: Assoc. prof. 69, Dept. of Political Science, Northwestern University, Evanston, Ill. 60201.
- STRICKLAND, DR. KATHERINE G. b. Rochester, N.Y. Apr. 9, 38. **CRIMINOLOGY.** LAW. B.A. Smith Col. 59; M.S.W. Simmons Col. 61; Ph.D. (criminol.) Syracuse, 67; J.D. Union (N.Y.) 70. Psychiat. soc. worker, Cent. Island Ment. Health Center, 61-62; acting supt. Ga. State Training Sch. Girls, 62-64; CONSULT. N.Y. STATE CRIME CONTROL COUN. 68. Nat. Assn. Soc. Workers Acad. Cert. Soc. Workers, Correctional Assn. Nat. Coun. Crime & Delinquency. Correctional institutions for women in the United States and in Europe; prostitution, especially streetwalkers; criminal law. Publ: New York State's prostitution problem: the streetwalkers, N.Y. State Pub. 70. Address: 616 Maywood Ave, Schenectady, N.Y. 12303.
- STRICKLAND, STEPHEN P(ARKS). b. Birmingham, Ala. Nov. 25, 33; m. 62. **POLITICAL SCIENCE.** A.B. Emory, 56; univ. & Gilman fel. Hopkins, 65-66, M.A. 66. French Govt. teaching grant & Fulbright travel grant, 56-57; res. asst. to U.S. Rep. George Huddleston, Jr. 59-61, admin. asst. 61-63; chief clerk, U.S. House Select Com. Govt. Res. 63-65; Am. Polit. Sci. Assn. congressional staff fel. 65-66; staff assoc. Am. Coun. ed. 66-67; assoc. dir,

- President's Cmn. White House Fels, 67-68, dir. 68-69; Commonwealth Fund grant and Ford Found. study-travel grant, 69-70; V.PRES. SOCIO-DYNAMICS INDUSTS, INC. 70- Consult, U.S. Dept. Health, Ed. & Welfare, 70. U.S.A.R., 58-67, 1st Lt. Polit. Sci. Assn. United States government research sponsorship; organization, coordination, policy-making, sponsor-performer relations, impact; United States government education programs for the disadvantaged. Publ: Co-auth & ed, Hugo Black and the Supreme Court, Bobbs-Merrill, 67 & Sponsored research in American universities and colleges, Am. Coun. Ed. 68; auth, Congress, the Supreme Court and public policy, Am. Univ. Law Rev, spring 68. Address: 3010 32nd St. N.W., Washington, D.C. 20008.
- STRINER, DEAN HERBERT EDWARD. Economics. See L-Z Vol, 11th ed, Soc. & Behav. Vols. New position: Dean col. continuing ed, American Univ, 69. Address: 2000 N. St. N.W., Apt. 305, Washington, D.C. 20006.
- STRIPLING, PROF. ROBERT OLIN. Counseling Psychology. See L-Z Vol, 11th ed, Soc. & Behav. Vols. New position: Prof, ed, Florida, 68- Address: 6302 S.W. 35 Way, Gainesville, Fla. 32601.
- STROBEL, EDWARD (OTTO). Statistics, Economics. See L-Z Vol, 11th ed, Soc. & Behav. Vols. New information: Also v.pres, Rinfret-Boston Assoc, Inc, 69. Address: 58-39 Bell Blvd, Bayside, N.Y. 11364.
- STROBEHN, DR. ROGER W. Agricultural Economics. See L-Z Vol, 11th ed, Soc. & Behav. Vols. New position: Agr. economist, 69-, Natural Resource Economics Division, Economic Research Service, U.S. Dept. of Agriculture, Bldg. RP-E, Room 305, Washington, D.C. 20250.
- STROM, PROF. ROBERT DUANE. Psychology. See L-Z Vol, 11th ed, Soc. & Behav. Vols. New position & address: Prof, ed & chmn. dept. elem. ed, 69-, College of Education, Arizona State University, 2325 Payne Hall, Tempe, Ariz. 85281.
- STROMBERG, DR. JEROME S. b. Milwaukee, Wis. Aug. 18, 36; m. 60; c. 2. SOCIOLOGY. B.A. Wheaton Col.(Ill.), 58; M.A. Minnesota, 62, Ph.D.(sociol), 67. Instr. sociol, Bethel Col.(Minn.), 64-65; res. assoc, Washington (St. Louis), 65-68; BEHAV. SCIENTIST, WHO, 68- U.S.A.R., 59-65, Capt. Soc. Sci. Assn; Soc. Study Soc. Probs; Nat. Coun. Family Rel. Family informal social networks; lower class and minority family life. Publ: Co-auth, Behind ghetto walls, Aldine, 70. Address: World Health Organization, Geneva, Switz.
- STROMSTA, PROF. COURTNEY P. Speech, Audiology. See L-Z Vol, 11th ed, Soc. & Behav. Vols. New position & address: Prof, 68-, Dept. of Speech Pathology & Audiology, Western Michigan University, Kalamazoo, Mich. 49001.
- STRONG, DR. JOHN A. History. See Suppl. 1 to 5th ed, Dir. Am. Scholars.
- STRONG, DR. STANLEY RUSSELL, b. Butte, Mont, July 9, 39; m. 59; c. 2. PSYCHOLOGY. B.A. Montana, 61; Ph.D.(psychol), Minnesota, 66. ASST. PROF. COUNSELING PSYCHOL, DEPT. PSYCHOLOGY, MINNESOTA, 67- NEAPOLIS, 66- RES. COUNSELING PSYCHOL, STUDENT LIFE STUDIES, 68- Psychol. Assn; Personnel & Guid. Assn. Persuasion, attribution and other behavior change processes in counseling and psychotherapy. Publ: Counseling: an interpersonal influence process, 5/68, auth, Experimental laboratory research in counseling, & Casual attribution in counseling and psychotherapy, J. Counseling Psychol, fall 70. Address: Dept. of Psychology, Elliott Hall, University of Minnesota, Minneapolis, Minn. 55455.
- STROTHER, DR. DORA DOUGHERTY, b. St. Paul, Minn, Nov. 27, 21; m. 66. EDUCATIONAL PSYCHOLOGY, HUMAN FACTORS ENGINEERING. Ph.D. Northwestern, 49; M.S. Illinois, 53; Ph.D.(adv. ed), N.Y. Univ., 55. Staff mem, aviation psychol. lab, Illinois, 49-55; res. assoc, 55-57; human eng. specialist, human factors sect, Martin Co, Md, 57-58; human factors engr, BELL HELICOPTER CO, 58-62, CHIEF, HUMAN FACTORS GROUP, 62- Sr. ed, Tex. Metro Mag, 65- Mem, State Aviation Adv. Coun, Tex. Aeronaut. Cmn, 63-64; President's Women's Adv. Cmt. on Aviation to Adminstr. of Fed. Aviation Agency, 64-68, chmn, 66-68; Nat. Safety Coun, Gen. Aviation Safety Cmt, 65-; chmn. bd. trustees, Amelia Earhart Mem. Scholar. Fund of the Ninety-Nines, Inc, 67- U.S.A.F.R. 49-, Lt. Col. Psychol. Assn; Aeronaut. & Astronaut. Human Factors Soc; Helicopter Soc; Soc. Eng. Psychol; Assn. Aviation Psychol. Human factors and human engineering, especially in cockpit design, display design and training research in vertical/short takeoff and landing aircraft. Publ: Co-auth, Relative motion of elements in instrument displays, 11/63 & Experimental comparison of dynamic map display configurations in a simulated steep gradient vehicle, 8/63, Aerospace Med; Flight by periscope: making takeoffs and landings, the influence of image magnification, practice, and various conditions of flight, J. Human Factors Soc, 2/66. Address: Dept. 87, Bell Helicopter Co, Ft. Worth, Tex. 76101.
- STROUD, DR. WILLIAM R. b. Kewanee, Ill, June 22, 25; m. 52; c. 5. MASS COMMUNICATION. B.S., U.S. Mil. Acad, 66; M.S. Wisconsin, Madison, 60, Ph.D.(mass comm), 68. Mil. attache, U.S. Embassy, Moscow, U.S.S.R., 54-55; asst. prof. mil. sci, Princeton, 55-57; policy br. chief, Off. Chief Info, U.S. Army, Pentagon, 60-64; command historian, Mil. Assistance Command, Vietnam, 65; Nat. Inst. Ment. Health res. fel. comm. Univ. Pennsylvania, 67-68; ASST. PROF. COMMUN. & JOURNALISM, WISCONSIN-MILWAUKEE, 68-, CHMN. DEPT. COMMUN, 69- U.S.A., 46-66, Lt. Col. Assn. Ed. in Journalism; Int. Commun. Assn; Assn. Comput. Ling. Urban and minority communication problems; psycholinguistics; communication in national development. Publ: The soldier audience, Chief Info, U.S. Army, 63. Address: Dept. of Communication, University of Wisconsin-Milwaukee College of Letters & Science, Milwaukee, Wis. 53201.
- STROUP, DEAN HERBERT (HEWITT). Sociology. See L-Z Vol, 11th ed, Soc. & Behav. Vols. New publ: Co-auth, The family, Family Serv. Assn, Am, 69. Address: Dept. of Student Services, Brooklyn College, Brooklyn, N.Y. 11210.
- STROUT, DR. ALAN MAYNE. Economics. See L-Z Vol, 11th ed, Soc. & Behav. Vols. New information: Assoc. Agr. Develop. Coun, 70- Address: c/o Faculty of Economics, University of Indonesia, Djakarta, Indonesia.
- STROUT, DR. RICHARD R. b. Oxford, Eng, Apr. 28, 32; U.S. citizen; m. 62; c. 3. POLITICAL SCIENCE. B.A. Texas Tech, 54; M.A. Texas, 57; Fulbright grant, North Carolina, 64-65; Orig. Am. States res. Col-67, Ph.D. (polit. sci), 68. Instr. POLIT. SCI, Baker, 57-58; ASST. PROF, Texas Tech, 58-61; N.C. Col, 62-64; MEMORIAL UNIV, 68- Am. Polit. Sci. Assn; Can. Polit. Sci. Assn; Can. Assn. Latin Am. Studies. Political parties of western Argentina and of maritime provinces of Canada. Publ: Recruitment of candidates by political parties in Mendoza Province, Argentina, Univ. North Carolina, 68. Address: Dept. of Political Science, Memorial University of Newfoundland, St. Johns, Newf, Can.
- STRUEVER, DR. STUART, b. Peru, Ill, Aug. 4, 31; m. 56; c. 2. ANTHROPOLOGY, ARCHAEOLOGY. B.A., Dartmouth Col, 53; M.A. Northwestern, 60; univ. fel, Chicago, 60-62, Nat. Sci. Found. fel, 62-64, Ph.D.(anthrop), 68. Instr. ANTHROPOLOGY, Chicago, 64-65; NORTHWESTERN, 65-68, asst. prof, 68-69, ASSOC. PROF, 69- Archaeol. Res, Inc, res. grants, 59-69; Wenner-Gren Found. Anthropol. Res. res. grant, 68-69; Nat. Sci. Found. res. grants, 68-70. Mem, Hist. Sites Adv. Coun, 61, 69- Soc. Am. Archaeol. (ed, Mem. 69-); Anthropol. Assn. Intensive reconstruction of prehistoric lifeways in the central Mississippi Valley from 8,000 B.C. to European arrival; development of archaeological field strategy and methods using the long-term program in the central Mississippi Valley as a field laboratory. Publ: Middle woodland culture history in the Great Lakes-Riverine area, Am. Antiquity, 65, Woodland subsistence-settlement systems in the lower Illinois Valley. In: New perspectives in archaeology, Aldine, 68 & Problem, methods and organization: a disparity in the growth of archaeology, Anthropol. Archael. in the Americas, 68. Address: Dept. of Anthropology, Northwestern University, Evanston, Ill. 60201.
- STRUMPEL, DR. BURKHARD, b. Frankfurt-Oder, Germany, June 1, 35; m. 63; c. 2. ECONOMICS. M.B.S., Cologne, 59, Ph.D.(econ), 62. Asst. study dir, inst. soc. res, Univ. Michigan, 60-61; asst. prof. ECON, Cologne, 62-65; German Sci. Found. fel, 65-68; ASSOC. PROF, MICHIGAN, 68- Am. Econ. Assn; German Assn. Pub. Welfare. Human prerequisites of economic development; cross national comparisons of consumer behavior and reactions toward taxation. Publ: Economic development and human behavior, Mohr & Siebeck, Tübingen, 64; Tax system and economic development, Mohr & Siebeck, Tübingen, 68; co-auth, Aspirations and affluence, McGraw, 70. Address: Institute for Social Research, University of Michigan, Ann Arbor, Mich. 48106.
- STRUNK, DR. ORLO, JR. Psychology. See L-Z Vol, 11th ed, Soc. & Behav. Vols. New position & address: Prof, 69-, Boston University School of Theology, Boston, Mass. 02215.
- STRUVE, DR. FREDERICK A. b. Princeton, N.J., May 6, 37; m. 68; c. 2. CLINICAL PSYCHOLOGY. B.A. Rutgers, 59; M.S. Northwestern, 62, Ph.D. (clin. psychol), 65. Staff psychologist, Hines Vet. Admin. Hosp, Ill, 65; fel. electroencephalography, neuropsychiat. inst. col. med, Univ. Illinois & Cook County Grad. Sch, Mead, 66; res. assoc. psychol. & electroencephalography, HILLSIDE HOSP, 66-67, DIR. ELECTROENCEPHALOG, 67- Psychol. Assn; Int. Neuropsychol. Soc. Study of clinical electroencephalography, especially its uses and relationships to psychiatric disorders. Publ: Co-auth, A methodological consideration in the performance of process and relative schizophrenia on a test for brain pathology, J. Clin. Psychol, 21: 234-256, The relative incidence of the B-Mitten EEG pattern in process and reactive schizophrenia, Electroencephalog. & Clin. Neurophysiol, 24: 80-82 & An analogy test that predicts EEG abnormality in hospitalized psychiatric patients, Arch. Gen. Psychiat, 70. Address: Research Dept, Hillside Hospital, Glen Oaks, N.Y. 11004.
- STRUVE, DR. PATRICK WILLIAM. Social Science, Education. See L-Z Vol, 11th ed, Soc. & Behav. Vols. New position: Asst. prof, sec. ed, Ball State, 69- Address: 2209 Woodward Dr, Muncie, Ind. 47304.
- STRYKER, DR. JOSIAH DIRCK, b. Honolulu, Hawaii, Oct. 11, 36; m. 61; c. 3. ECONOMICS. B.S., U.S. Naval Acad, 58; Ph.D.(econ), Columbia, 67. Res. economist, Columbia, 64-65; YALE, 66-69, ASST. PROF. ECON, 69- U.S.N., 54-62, Lt. Econ. Assn; African Studies Assn; Soc. Int. Develop. Royal Econ. Assn. International economics; economic development and planning; African economics. Publ: The sources of change in export performance: the U.S. and Canada. In: The open economy: essays on foreign trade and finance, Columbia Univ, 68. Address: Box 1987, Yale Station, New Haven, Conn. 06520.
- STRYKER, RUSSELL F. Jr, b. New York, N.Y., May 9, 23; m. 50; c. 3. ECONOMIC HISTORY. B.A., Dartmouth Col, 47; M.A. Columbia, 48. Sect. chief, mil. econ. intel, U.S. AF. Defense, 51-57; staff mem, INST. DEFENSE ANAL, AR-LINGTON, 57-62, PROJ. LEADER MID-LOGISTICS 62- Consult, Off. Emergency Preparedness, 68- U.S.A.A.F., 43-45, S/Sgt. Ops. Res. Soc. Am; Hist. Assn. Acad. Polit. Sci. Academic career with economic history branched into specialization economic impact of technology, particularly military and finally to operations research and systems analysis. Address: 9208 Maria Ave, Great Falls, Va. 22066.
- STRYKER, DR. (SHELDON). Sociology. See L-Z Vol, 11th ed, Soc. & Behav. Vols. New information: Also chmn, Dept. of Sociology, Indiana, 69- Address: 1000 Pleasant Ridge Rd, Bloomington, Ind. 47401.
- STUART, DR. ALFRED W(RIGHT). Geography. See L-Z Vol, 11th ed, Soc. & Behav. Vols. New position & address: Assoc. prof, 69-, Dept. of Geography & Geology, The University of North Carolina at Charlotte, P.O. Box 12665, Charlotte, N.C. 28205.
- STUCKEY, DR. JUNE ELIZABETH. Psychology, Student Personnel. See L-Z Vol, 11th ed, Soc. & Behav. Vols. New position & address: V.pres. acad. affairs, 69-, Jamestown College, Jamestown, N.Dak. 58401.

- STUDDIFORD, DR. WALTER B(ECKMAN). Psychology. See L-Z Vol, 11th ed, Soc. & Behav. Vols. New position: Asst. registr., 69-, Princeton University, 3 W. College, Princeton, N.J. 08540.
- STUDER, DR. STAFFORD SIDNEY, b. Pipestone, Minn., Mar. 10, 10; m. 36; c. 3. EDUCATIONAL PSYCHOLOGY. B.A., Huron Col., 33; B.D., Louisville Presby. Theol. Sem., 36; Ph.D. (ed. psychol.), North Dakota, 51. Acad. dean, Col. Emporia, 56-61 & 63-66; prof. psychol., Kans. State Teachers Col., 61-63; PROF. PSYCHOL. & HEAD DEPT., COL. EMPORIA, 66-, CHMN. DIV. SOC. SCI., 70-, coordinator instrnl. res. 66-70. Lay psychiatrist. Address: Dept. of Psychology, College of Emporia, Emporia, Kans. 66801.
- STUDNICKI-GIZBERT, DR. KONRAD. Economics. See L-Z Vol, 11th ed, Soc. & Behav. Vols. New information: Also fel, 69-, McLaughlin College, York University, Downsview, Toronto, Ont, Can.
- STUHR, PROF. WALTER MARTIN, JR. Theology, Sociology. See 5th ed, Dir. Am. Scholars, Vol. IV, Philos., Relig. & Law.
- STUKAS, DR. JACK J., b. Newark, N.J., Oct. 8, 24; m. 64. INTERNATIONAL BUSINESS. B.S., N.Y. Univ., 49, Ph.D. (area studies), 65; M.S., Columbia, 51. Producer-dir., north Europe, U.S. Info. Agency, 51-54; pub. rels. & advert. mgr., Carteret Savings & Loan Assn., N.J., 54-59; int. mgr., Mkt. & Sales Exec. Int., 59-63; PROF. MKT. & CHMN. DEPT., SETON HALL, 63- Lectr., Baruch Grad. Sch. Bus. City Univ. New York, 62-64; Pace Col., 64-66; Found. Econ. Ed. fel, 68. U.S.A., 43. Mkt. Assn. Area studies: the rise of modern Lithuanian nationalism; Lithuanian culture. Publ.: Awakening Lithuania, Florham Park, 66. Address: 1467 Force Dr., Mountainside, N.J. 07092.
- STUMPF, DR. WALTER ERIC. Neuroendocrinology, Endocrine Pharmacology. See Suppl. VI to 11th ed, Phys. & Biol. Vols.
- STUNKEL, EVA RUSSELL. Personnel Psychology. See L-Z Vol, 11th ed, Soc. & Behav. Vols. Change of address: 5172 Brook Way, Columbia, Md. 21043.
- STURC, DR. ERNEST. Economics, Law. See L-Z Vol, 11th ed, Soc. & Behav. Vols. New position: Dir. exchange & trade rels. dept., 65-, International Monetary Fund, 19th & H St., N.W., Washington, D.C. 20431.
- STURM, PROF. ALBERT L(EE). Political Science, Public Administration. See L-Z Vol, 11th ed, Soc. & Behav. Vols. New Publ.: Thirty years of state constitution-making, 1938-1968, Nat. Munic. League, 70. Address: Dept. of Political Science, Virginia Polytechnic Institute, Blacksburg, Va. 24060.
- STURTEVANT, DR. WILLIAM C(URTIS). Anthropology. See L-Z Vol, 11th ed, Soc. & Behav. Vols. New position: Curator dept. anthrop. & mem. center study man, 68-, Smithsonian Institution, Washington, D.C. 20560.
- SUBLETT, DR. ANDREW J., b. San Antonio, Tex. Apr. 27, 37. PHYSICAL ANTHROPOLOGY. B.A., Arizona, 61; M.A., Toronto, 63; fel., State Univ. N.Y. Buffalo, 65-66, Ph.D. (anthrop.), 66. Nat. Sci. Found. res. assoc. ANTHROP., State Univ. N.Y. Buffalo, 66-67; ASST. PROF., FLORIDA ATLANTIC, 67- Summers, Compilarian Indian & Nat. Parks Serv. grants res. ass't, 64, Nat. Sci. Found. proj. dir., Allegany Cemetery Relocations, 65, instr., State Univ. N.Y. Buffalo, 66, Am. Philos. Soc. proj. dir., Wagner's Hollow Site, N.Y. 67, State Univ. N.Y. Binghamton prin. investr., Engelbert Site, N.Y. & Nat. Sci. Found. prin. investr., Ft. Center Site, Fla., 68 & 69. Fel. AAAS; Assn. Phys. Anthropol.; fel. Anthropol. Assn.; Soc. Am. Archaeol. Human osteology; micro-evolutionary changes; skeletal anomalies. Publ.: The cranial center: skeletal analysis, Pa. Archaeologist, Vol. XXV, No. 2; co-auth. The Kleis site: skeletal analysis, N.Y. State Archaeol. Assn. Res. & Trans. Vol. XVI, No. 1; auth. Osteological analysis of the Van Son site, Bull. Buffalo Soc. Natural Sci. Vol. 24. Address: Dept. of Anthropology, Florida Atlantic University, Boca Raton, Fla. 33432.
- SUBOTNIK, DR. LEO. Psychology. See L-Z Vol, 11th ed, Soc. & Behav. Vols. New position & address: Clin. psychologist, 68-. Psychology Service, Veterans Administration Hospital, St. Cloud, Minn. 56301.
- SUCHMAN, PROF. EDWARD A(LLEN). Sociology, Social Psychology. See 11th ed, Soc. & Behav. Vols., deceased 69.
- SUCHMAN, DR. JOSEPH RICHARD. Educational & Child Psychology. See L-Z Vol, 11th ed, Soc. & Behav. Vols. New position: Dir., Ortega Park Teachers Lab, Menlo Park, 68- Address: 1766 Willow Rd., Palo Alto, Calif. 94304.
- SUCHMAN, DR. ROSSLYN GAINES. Psychology. See GAINES, DR. ROSSLYN, this Suppl.
- SUDMAN, DR. SEYMOUR. Statistics. See L-Z Vol, 11th ed, Soc. & Behav. Vols. New position & address: Assoc. prof, 68-, University of Illinois, Champaign, 417 David Kinley Hall, Urbana, Ill. 61801.
- SUFIRIN, PROF. SIDNEY C(HARLES). Economics. See L-Z Vol, 11th ed, Soc. & Behav. Vols. New position & address: Vis. prof. bus. econ, 69-, Graduate School of Business Administration, University of Michigan, Ann Arbor, Mich. 48104.
- SUGGS, DR. ROBERT C(ARL). Anthropology, Human Engineering. See L-Z Vol, 11th ed, Soc. & Behav. Vols. New position: Social scientist, U.S. Army Combat Develop. Command, ISSO, Ft. Bragg, 69- Address: 335 Arbutus Rd., Southern Pines, N.C. 28387.
- SUNN, DR. RICHARD MICHAEL. Clinical Psychology. See L-Z Vol, 11th ed, Soc. & Behav. Vols. New position: Prof. psychol. & assoc. head dept., Colorado State, 68- New publ.: The predictive validity of projective tests, C.C. Thomas, 69. Address: Dept. of Psychology, Colorado State University, Ft. Collins, Colo. 80521.
- SULEIMAN, DR. FUAD K., b. Jerusalem, Palestine, July 3, 34. POLITICAL SCIENCE, INTERNATIONAL LAW. B.A., Boston, 60, M.A., 61; M.A., Tufts, 63, M.A.L.D. 64, Ph.D. (int. law), 68. Lectr. POLIT. SCI., Boston, 63-66; Northeastern 64-66; ASST. PROF., Chapman Col., 68; CENTRAL STATE, 68- Acad. Polit. & Soc. Sci.; Mid. East Studies Assn. N.Am. Political development; international law and Middle East conflicts; Islamic political theory. Publ.: On revolution and transient freedom, J. Human Rel., Vol. 17, No. 3; The Arab boycott of Israel; a juridical study, Chand, 70. Address: Dept. of Political Science, Central State University, Wilberforce, Ohio 45384.
- SULKOW, DR. MARTIN. Philosophy. See 5th ed, Dir. Am. Scholars, Vol. IV, Philos., Relig. & Law.
- SULLIVAN, PROF. BENJAMIN A(NDREW). Educational Psychology. See L-Z Vol, 11th ed, Soc. & Behav. Vols. New information: Independent consultant, psychologist, 69- Address: 221 W. Silver Spring Dr., Milwaukee, Wis. 53217.
- SULLIVAN, C(HARLES) MERYL. Economics. See L-Z Vol, 11th ed, Soc. & Behav. Vols. New position: Asst. exec. dir., Am. Assn. Med. Clin., 70- Address: 4514 Connecticut Ave. N.W., Washington, D.C. 20008.
- SULLIVAN, DR. CLARA K(ATHERINE). Economics, Sociology. See L-Z Vol, 11th ed, Soc. & Behav. Vols. Change of address: R.R. 3, Box 1296 D, Punta Gorda, Fla. 33950.
- SULLIVAN, DR. DANIEL J(OSEPH), JR. Personnel Psychology. See L-Z Vol, 11th ed, Soc. & Behav. Vols. New position: Corp. dir., personnel, 69-, Johnson & Johnson, New Brunswick, N.J. 08903.
- SULLIVAN, DR. EDMUND VINCENT, b. Bayonne, N.J., Aug. 13, 38; m. 66. PSYCHOLOGY. Swiss Govt. fel., Geneva, 60-61; M.A., Syracuse, 65, Ph.D. (psychol.), 66. ASSOC. PROF. PSYCHOL., ONT. INST. STUDIES IN ED., UNIV. TORONTO, 66- Fel. Psychol. Assn. Am. Psychol. aspects of political and moral development. Publ.: Co-auth. Theories and problems of child development, Grune, 70 & Moral education: interdisciplinary discussions, Univ. Toronto, 70. Address: Ontario Institute for Studies in Education, University of Toronto, 102 Bloor St. W., Toronto 5, Ont, Can.
- SULLIVAN, DR. GLENN HERMAN, b. Belleville, Ill., July 2, 41; m. 64. HORTICULTURE, MARKETING. B.S., Western Illinois, 63; M.S., Kansas State, 66, Ph.D. (hort. mkt), 67. Prod. merchandiser, Kroger Co., 63-64; ASST. PROF. HORT., PURDUE, 67- Soc. Hort. Sci.; Mkt. Assn. Marketing and economic research in processed vegetables and related horticultural industries. Publ.: Co-auth. An analysis of the merchandising structure of the retail floriculture industry, 68, An evaluation of the seasonal sales patterns for retail florists, 69, & An analysis of regional trade advantage in processed tomato products, 69, Am. Soc. Hort. Sci. Address: Dept. of Horticulture, Purdue University, W. Lafayette, Ind. 47906.
- SULLIVAN, DR. JAMES JOSEPH, b. Chicago, Ill., Sept. 9, 35; m. 61. ECONOMICS. A.B., California, Santa Barbara, 61, M.A., 63; Nat. Defense Ed. Act fel. & univ. fel., Hopkins, 63, Ford Found. fel., 65, Ph.D. (econ), 68. ASST. PROF. ECON., CALIFORNIA, SANTA BARBARA, 66-, prof. dir. & prin. investr., Regent's grant econ. lab., 68-70. San Francisco Fed. Reserve Cent. Banking fel., 68; summer res. asst., Bd. Gov. of Fed. Reserve, 64, Adv. ed. Simulation & Games, 68- U.S.M.C., 53-56, Sgt. Econ. Assn.; Economet. Soc. Econometrics: theory and applications of national, local or individual economic policy to facilitate more efficient and optimal decision making. Publ.: Co-auth. The economic determinants of the crime rate: an econometric analysis, Criminologica, 11/68; auth. Alternative models of federal reserve behavior, J. Finance, 6/69 & A simulation laboratory for economics, Simulation & Games, 6/70. Address: Dept. of Economics, University of California, Santa Barbara, Calif. 93106.
- SULLIVAN, PROF. LEO M., b. Worcester, Mass., Sept. 28, 23; m. 50; c. 5. PSYCHOLOGY. B.S., Worcester State Col., 47; M.A., Columbia, 48; Clark & Boston, 51-52. Instrnl. social & psychol. New Bedford Inst. Tech., 48-53. Asst. prof., 53-55, Prof., 55-64; PSYCHOL., SOUTHEASTERN MASSACHUSETTS, 64- Consult., Hollow Boring Corp., 51-58. U.S.A., 43-46. Psychol. Assn. Psychology of adjustment; industrial psychology. Address: 276 Hawthorn St., New Bedford, Mass. 02740.
- SULLIVAN, DR. MICHAEL PATRICK, b. San Francisco, Calif., Feb. 14, 42. POLITICAL SCIENCE. B.S., San Francisco, 61, M.A., Oregon, 66, Ph.D. (polit. sci.), 68. ASST. PROF. INT. RELS., ARIZONA, 68- Polit. Sci. Assn.; Int. Studies Assn. International relations; conflict behavior between nations; especially background factors leading to violent escalation of conflict. Address: Dept. of Government, University of Arizona, Tucson, Ariz. 85721.
- SULZER, PROF. EDWARD S(TANTON). Psychology. See L-Z Vol, 11th ed, Soc. & Behav. Vols. New position: Prof., 69-, Rehabilitation Institute, Southern Illinois University, Carbondale, Ill. 62901.
- SUMMER, PROF. C(HARLES) E(DGAR). Business Management. See L-Z Vol, 11th ed, Soc. & Behav. Vols. New position & address: Prof., 69-, Graduate School of Business, University of Washington, Seattle, Wash. 98105.
- SUMMERS, PROF. CLYDE W. Law. See 5th ed, Dir. Am. Scholars, Vol. IV, Philos., Relig. & Law.
- SUMMERS, DR. DAVID (ANTHONY), b. Charleston, Ill., Jan. 12, 40; m. 62; c. 2. PSYCHOLOGY. B.A. Knox Col., 62; M.A., Colorado, 64, Ph.D. (psychol.), 66. ASST. PROF. PSYCHOL., Illinois, Urbana, 66-68; KANSAS, 68- Biomed. Sci. res. support, 68-69, U.S. Pub. Health Serv. grants res. support. Assn.; Psychonomic Soc. Cognitive processes, particularly human learning and judgment; role of learning and process in interpersonal conflict. Publ.: Co-auth. Cognitive dependence upon linear and nonlinear cues, Psychol. Rev., 65; auth. Conflict, compromise and belief change in a decision-making task,

- J. Conflict Resolution, 68; Adaptation to change in multiple probability tasks, *Am. J. Psychol.*, 69. Dept. of Psychology, University of Kansas, Lawrence, Kans. 66044.
- SUMMERS, DR. LARRY V. b. Idaho Falls, Idaho, Oct. 5, 36; m. 56; c. 5. AGRICULTURAL ECONOMICS. B.S. Idaho, 58, M.S. 60; Ph.D. (agr. econ), Washington State, 68. Exten. mkt. specialist, agr. exten. serv. IDAHO, 60-62, asst. prof. agr. econ, 62-67, AGR. ECONOMIST, ECON. RES. SERV., U.S. DEPT. AGR., 67- Agr. Econ. Assn. Economics of agricultural marketing and agricultural business management; analysis of plant cost and efficiency; interregional competition and trade. Publ: Locational, seasonal, and product competition in the U.S. potato industry, Washington State Univ., 68; Applications of the simulation technique in potato marketing, *Proc. West. Farm Econ. Assn.*, 66; Potentials for growth of the northwest potato industry, In: *Pacific Northwest...*, Pac. Power & Light Co., 67. Address: Dept. of Agricultural Economics, University of Idaho, Moscow, Idaho 83844.
- SUN, DR. HO SHENG. Economics, Agricultural Economics. See L-Z Vol, 11th ed, Soc. & Behav. Vols. New position: Economist, S.A.I., Co, Long Beach, 69- Address: 16252 Keeler Dr, Granada Hills, Calif. 91344.
- SUNDLAND, DR. DONALD MARVIN. b. New York, N.Y., Jan. 15, 29; m. 53; c. 3. CLINICAL PSYCHOLOGY. B.S. Southern California, 50; N.Y. Univ., 52-53; Nat. Psychol. Assn. for Psychoanal., 53-56; M.S. City Col. New York, 57; Ph.D. (clin. psychol.), Ohio State, 60. Intern. clin. psychol., Columbus Psychol. Clin. Ohio State, 59-61; psychologist, Vet. Admin. Hosp., Chillicothe, 61; res. assoc. clin. psychol., res. found., Ohio State, 61-62; asst. prof. clin. psychol., psychol. serv. & res. center, Tennessee, 62-63; asst. prof. PSYCHOL., MISSOURI-COLUMBIA & MO. INST. PSYCHIAT., ST. LOUIS, 64-68, ASSOC. PROF., 68- Psychol. Assn. Acad. Psychol. Research in the process of behavior-personality modification. Publ: The construction of Q sorts: a criticism, *Psychol. Rev.*, 62; co-auth. The orientations of psychotherapists, *J. Consult. Psychol.*, 62; Chemically induced anxiety, In: *J. Neuropsychiat.*, 67. Address: 7353 Drexel Dr, University City, Mo. 63130.
- SURANYI-UNGER, PROF. THEO, b. Budapest, Hungary, 98. ECONOMICS. Dipl. Oriental Sch. Commerce, Hungary, 18; LL.D. & Dr. rer. pol. Graz, 19; Ph.D. Puzmazy, 20, dr. (pub. econ), Palatin Joseph Univ., 21. Privat-dozent & lectr. econ, Palatin Joseph Univ., Hungary, 24; prof. law, Col. Law, Hungary, 26-28; assoc. prof. econ. & statist., Palatin Joseph Univ., Hungary, 28-33, prof. 33-35, econ. & finance, 35-40, dean dept. law & polit. sci., 36-37, pro-dean, 37-38; prof. econ. & finance, Elizabeth Univ., 40-45; vis. prof. ECON., Innsbruck, 45-46; prof. SYRACUSE, 46-66, EMER. PROF., 66-; PROF. NORTHERN ILLINOIS, 66- Lectr., Austria, Japan, China, India, Australia, Germany, Netherlands & U.S., 26-; Rockefeller Found. fcls., U.S., 29, Geneva, 32; Soc. Sci. Res. Coun. fcls., 48-49, 49-50, 56-57; Ford Found. fcls., 54, 56-57, 58-63. V-pres, Hungarian Cnt. Price Fixing, Hungary, 36-39; pres, Price Control Bd., 38-39; head dept., Prime Minister's Off., 38-40. V-pres, Hungarian Statist. Soc. & Hungarian Inst. Labor Res. Commandeur, Order du Merite Agricole, France, 39. Am. Econ. Assn.; Economist Soc.; Am. Acad. Polit. & Soc. Sci.; Asn. Comp. Econ.; Royal Econ. Soc.; Int. Inst. Pub. Finance; assoc. Int. Inst. Sociol. Comparative economic systems; history of economic thought. Publ: Philosophy and economics, 2 vols, Gustav Fischer, Jena, 23, 26; Economic philosophy of the Twentieth Century, Gustav Fischer, Stuttgart, 67. Address: Dept. of Economics, Northern Illinois University, DeKalb, Ill. 60115.
- SURI, PROF. SURINDAR SINGH. Political Philosophy, Sociology of World Politics. See 5th ed, Dir. Am. Scholars, Vol. IV, Philos. Relig. & Law.
- SURKAN, DR. ALVIN J (JOHN). Geophysics, Mathematics. See Suppl. V to 11th ed, Phys. & Biol. Vols.
- SUSSEX, DR. JAMES NEIL. Psychiatry. See L-Z Vol, 11th ed, Soc. & Behav. Vols. New position: Prof. psychiat. sch. med, Miami (Fla), 68- Address: Jackson Memorial Hospital, Miami, Fla. 33136.
- SUTER, RICHARD S (TURGIS). Political Science. See L-Z Vol, 11th ed, Soc. & Behav. Vols. New position: Dir. info. systs, Save the Children Fedn. & Community Develop. Found., 69- Address: Weston Rd, Weston, Conn. 06880.
- SUTHERLAND, DR. CHARLES F. b. Camp Grant, Ill., Oct. 1, 21; m. 44; c. 4. FORESTRY ECONOMICS. B.S. Idaho, 48, M.F. 54; Ph.D. (forestry econ), Michigan, 61. Res. forester, Potlatch Forests Inc., 48-53; forest economist, Lake States forest exp. sta., U.S. Forest Serv., St. Paul, Minn., 56-58; asst. prof. FORESTRY ECON. SCH. FORESTRY, OREGON STATE, 59-68; ASSOC. PROF., 68- U.S.A., 40-48; Lectr. biology and management in private industry; marketing and production problems in forestry; taxation and forest protection problems. Address: School of Forestry, Oregon State University, Corvallis, Ore. 97331.
- SUTHERLAND, IAN REID. Economics. See L-Z Vol, 11th ed, Soc. & Behav. Vols. New position: asst. U.S. Train. & Empl. Serv. Manpower Admin., U.S. Dept. Labor, 68- Address: 12819 Buckingham Dr, Bowie, Md. 20715.
- SUTTON, DR. GLENN W (ALLACE). Finance. See L-Z Vol, 11th ed, Soc. & Behav. Vols. New position: Chmn., U.S. Tariff Cmn, 69- Address: 3202 Curtis Dr, S.E., Apt. 601, Washington, D.C. 20031.
- SUTTON, DR. GORDON (FRANCIS). Sociology. See L-Z Vol, 11th ed, Soc. & Behav. Vols. New position & address: Assoc. prof., 69-, Dept. of Sociology, University of Massachusetts, Thompson Hall, Amherst, Mass. 01002.
- SUTTON, PRES. JOSEPH LEE. Politics. See L-Z Vol, 11th ed, Soc. & Behav. Vols. New position: Pres., 68-, Indiana University, Bryan Administration Bldg, Room 200, Bloomington, Ind. 47401.
- SUTTON, DR. JOSEPH T (HOMAS). Psychology. See L-Z Vol, 11th ed, Soc. & Behav. Vols. New position: V-pres., 69-, University of Alabama, P.O. Box 5475, University, Ala. 35486.
- SWAIN, DR. WAYLAND ROGER. Public Health, Environmental Biology. See Suppl. VI to 11th ed, Phys. & Biol. Vols.
- SWAINE, DR. HOWARD R (ALPH). Economics. See L-Z Vol, 11th ed, Soc. & Behav. Vols. Correction: Assoc. prof. & head, 69-, Dept. of Economics, Northern Michigan University, Marquette, Mich. 49855.
- SWANSON, DR. DAVID WENDELL. Psychiatry. See Suppl. V to 11th ed, Phys. & Biol. Vols.
- SWANSON, PROF. DONALD (EKLUND). Psychology. See L-Z Vol, 11th ed, Soc. & Behav. Vols. Correction: Chmn., 61-, Dept. of Psychology, Hamline University, St. Paul, Minn. 55101.
- SWANSON, PROF. ERNST W (ARNER). Economics. See L-Z Vol, 11th ed, Soc. & Behav. Vols. New information: Emer. prof., N.C. Pie; prof. econ, West Florida, 69-; consult., Nat. Park Serv. Address: 800 Scenic Highway, Apt. 18, Pensacola, Fla. 32503.
- SWANSON, DR. JOHN R. b. Superior, Wis., May 15, 36; m. 60; c. 1. POLITICAL SCIENCE. B.A. Kansas, 62; Woodrow Wilson Foreign Area fel. & M.A., Wisconsin, Madison, 65, Ph.D. (polit. sci.), 69. ASST. PROF. POLIT. SCI., MISSOURI-COLUMBIA, 67- U.S.A.F. 55-59. Polit. Sci. Assn.; Asn. Adv. Slavic Studies. Soviet foreign policy in developing countries, especially in the Middle East. Address: Dept. of Political Science, University of Missouri-Columbia, Columbia, Mo. 65201.
- SWANSON, DR. MAYNARD WILLIAM. Modern History, African History. See 5th ed, Dir. Am. Scholars, Vol. I, Hist.
- SWANSON, DR. WAYNE R. b. Providence, R.I., June 15, 41. POLITICAL SCIENCE. B.A. Rhode Island, 63, M.A., 65; Ph.D. (polit. sci.), Brown, 69. ASST. PROF. GOVT. CONV. COL., 69- Polit. Sci. Assn. Politics of state constitutional conventions. Publ: Committee assignments and the nonconformist legislator, 2/69 & co-auth. Delegates, issues and roll calls in four constitutional conventions, 2/70, Midwest J. Polit. Sci.; Political recruitment in four selection systems, West. Polit. Quart., 3/70. Address: Dept. of Government, Connecticut College, New London, Conn. 06320.
- SWART, DR. JOHN CARROLL. b. Grand Rapids, Mich., Sept. 29, 31; m. 61. BUSINESS ADMINISTRATION, SPEECH. B.A. Notre Dame, 53; M.A. Indiana, 55, Ph.D. (speech), 60, M.B.A. 61. Lectr. speech & bus. admin., Maryland, 61-67; ASSOC. PROF. BUS. ADMIN., BALL STATE, 67- Acad. Mgt.; Mgt. Asn.; Speech Assn. Am. Management; communications. Publ: The university student and the technoschool. In: Proceedings of the 11th annual Academy of Management conference, midwest division, Univ. Wisconsin, Madison, 68; Society challenges business. In: Proceedings of the 12th annual midwest management conference, Drake Univ., 69; Business and the social challenge, In: Abstracts from the 55th annual meeting: Speech Association of America, Meers, 69. Address: School of Business Administration, Ball State University, Muncie, Ind. 47306.
- SWARTZ, DR. JACOB. Psychiatry. See L-Z Vol, 11th ed, Soc. & Behav. Vols. New position: Prof., 69-, Dept. of Psychiatry, Boston University, School of Medicine, Boston, Mass. 02118.
- SWARTZ, PROF. MARC JEROME. Anthropology. See L-Z Vol, 11th ed, Soc. & Behav. Vols. New position & address: Prof., 69-, Dept. of Anthropology, University of California, San Diego, La Jolla, Calif. 92037.
- SWARUP, DR. C (HAITANYA). Statistics, Mathematics. See L-Z Vol, 11th ed, Soc. & Behav. Vols. New position: Develop. engr. & mgr. prod. assurance circuit tech., 69-, Product Assurance Dept. 858, International Business Machines Corp, Bldg. 701, East Fishkill Facility, Hopewell Junction, N.Y. 12533.
- SWEARINGEN, DR. EUGENE L (AURREL). Economics. See L-Z Vol, 11th ed, Soc. & Behav. Vols. New information: Pres. & chief exec. officer, Nat. Bank Tulsa, 68- Address: 2650 E. 66th St, Tulsa, Okla. 74105.
- SWEENEY, MARY A (GNE). Psychology. See L-Z Vol, 11th ed, Soc. & Behav. Vols. New information: Retired, 67. Address: 655 Hague Ave, St. Paul, Minn. 55104.
- SWEET, DR. DAVID C. b. Rochester, N.Y., May 16, 39; m. 65; c. 2. ECONOMIC GEOGRAPHY, REGIONAL ECONOMICS. B.A. Rochester, 61; M.A. North Carolina, 63; Ph.D. Ohio State, 70. Teaching asst. geog., North Carolina, 61-63, instr. bur. correspondence, 62-63; regional economist, manpower & regional econ. div, BATTELLE-COLUMBUS LABS, 63-67, assoc. chief, 67-68, CHIEF REGIONAL ECON. DIV., 68- Indust. Develop. Coun.; Asn. Am. Geog. Regional Sci. Asn.; Soc. Planning Off. Regional development and environmental management; development of a systematic approach to regional development; development of regional economic simulation models. Publ: Ed. Models of urban structure, Heath, 70; auth. The geographer's role in the urban planning process, Southeast. Geogr., 4/69 & The systematic approach to industrial development research, Am. Indust. Develop. Coun., 4/70. Address: Battelle-Columbus Labs, Battelle Memorial Institute, 505 King Ave, Columbus, Ohio 43201.
- SWEET, DR. DAVID E (MERY). b. Holyoke, Mass., July 9, 33; m. 54; c. 2. POLITICAL SCIENCE. A.B. Drury Coll., 55; Woodrow Wilson fel., Duke, 55-56, A.M., 58, Duke Commonwealth Studies Center fel., 58-59, Ph.D. (polit. sci.), 68. Instr. polit. sci., Duke, 57-58; govt. Ohio, 59-60; polit. sci., Illinois State, 60-64, asst. prof., 64-68, assoc. prof. & asst. dean faculties, 68-69; V.CHANCELLOR ACAD. AFFAIRS, MINNESOTA STATE COLS, 69- Exec. v-pres, Illinois State Univ. Found., 65-68. Consult., Eureka, Col., 66-68. Polit. Sci. Asn. Political philosophy. Address: 407 Capitol Square Bldg, 550 Cedar St, St. Paul, Minn. 55101.
- SWEET, DR. FRANKLYN HALEY. Accounting, Business Administration. See L-Z Vol, 11th ed, Soc. & Behav. Vols. New position: Dean admin., South Alabama, 68- Address: 500 Ridgeland Dr, W. Mobile, Ala. 36608.

- SWENEY, DR. ARTHUR BARCLAY. Psychology. See L-Z Vol. 11th ed, Soc. & Behav. Vols. New position & address: Dir. 68 Center for Human Appraisal & Communication Research, Wichita State University, Wichita, Kans. 67208.
- SWEEZEY, DR. ROBERT LEONARD. Rheumatology, Physical Medicine & Rehabilitation. See Suppl. VI to 11th ed, Phys. & Biol. Vols.
- SWIFT, DR. DAVID WALLACE. b. Shanghai, China, Oct. 2, 27; U.S. citizen; m. 54; c. 1. SOCIOLOGY. A.B. California, Berkeley, 50; M.A. 60, Ph.D. (sociol.), 67. Teacher, elem. sch., Calif., 50-57; sociologist, Costa Costa Ed. Dept., 62-64; res. dir., Contra Costa County Health Dept., 64-66; instr. SOCIOL., HAWAII, 66-67, ASST. PROF., 68- Vis. prof., San Francisco State Col., summer 69. U.S. Off. ed. coop. res. grant, 64. Consult., Calif. Senate Cm. Govt. Admin., 63-64. U.S.A.A.F. 46-47. Sociol. Assn. Public schools as formal organizations; education for minority pupils; subprofessional aides in low income areas. Publ: Ideology and change in the public schools, C.E. Merrill, 70; co-auth. American education: a sociological perspective, Houghton, 71; auth. Interracial effectiveness of community health aides, Phylon, 12/69. Address: Dept. of Sociology, 2550 Campus Rd., University of Hawaii, Honolulu, Hawaii 96822.
- SWIFT, PROF. MARVIN HENRY. Written Communication, Organizational Behavior. See 5th ed, Dir. Am. Scholars, Vol. II, Eng. Speech & Drama.
- SWINEHART, DR. JAMES W (ASON). Social Psychology. See L-Z Vol. 11th ed, Soc. & Behav. Vols. New information: Also co-dir. doctoral prog. behav. sci. & pub. health, 69-. School of Public Health, University of Michigan, 122 S. First St., Ann Arbor, Mich. 48108.
- SWINGLE, DR. PAUL G (EORGE). Social Psychology. See L-Z Vol. 11th ed, Soc. & Behav. Vols. New position & address: Assoc. prof., 69-. Dept. of Psychology, McMaster University, Hamilton, Ont., Can.
- SWITZER, PROF. S(T. CLAIR) (ADNA). Psychology. See L-Z Vol. 11th ed, Soc. & Behav. Vols. New information: Emer. prof. psychol., Miami (Ohio), 66-. no longer chmn. dept. Address: 28160 Pebble Beach Dr., Sun City, Calif. 92381.
- SWOMLEY, PROF. JOHN M. JR. Social Ethics, Political Science. See 5th ed, Dir. Am. Scholars, Vol. IV, Philos. Relig. & Law.
- SYDNEYSMITH, DR. SAM, b. Bristol, Eng. Jan. 1, 33; Can. m. 60; c. 3. ECONOMICS. B.A. Soc. British Columbia, 58; M.A. 64; Ph.D. (econ), Duke, 66. Engr. Imp. Oil Ltd., Alta., 58-59; Rayonier Can. Ltd., B.C., 59-62; ASST. PROF. ECON. SIMON FRASER UNIV., 66- Am. Econ. Assn.; Geophys. Union; Can. Econ. Assn. Natural resource economics, particularly economics of environmental quality, outdoor recreation, forestry, water and fish. Publ: Co-auth. Method for allocating logs among several utilization processes, Forest Prod. J. 68. Address: Dept. of Economics, Simon Fraser University, Burnaby 2, B.C., Can.
- SYDOW, DR. DONALD W (WAYNE). Clinical Psychology. See L-Z Vol. 11th ed, Soc. & Behav. Vols. New position: Coordinator, Vet. Admin. Ment. Hyg. Clin., 69- Address: 1114 S. 93rd St., Omaha, Nebr. 68124.
- SYFFERS, DR. JAMES WIDMANS. Philosophy. See 5th ed, Dir. Am. Scholars, Vol. IV, Philos. Relig. & Law.
- SYLLA, DR. RICHARD EUGENE, b. Harvey, Ill., Jan. 16, 40; m. 63; c. 1. ECONOMICS, ECONOMIC HISTORY. A.B. Harvard, 62; A.M. 65, Ph.D. (econ), 69. Asst. prof. ECON. N.C. STATE, 68-70; ASSOC. PROF., 70- Asst. prof., Harvard, summer 69. Econ. Assn.; Econ. Hist. Assn. Monetary and financial economics; public finance; economic development. Publ: Federal policy, banking market structure, and capital mobilization in the United States, 1863-1913. J. Econ. Hist., 69; co-auth. La "New economic history" metodi, obiettivi, limiti, Quaderni Storici Marche, 69. Address: Dept. of Economics, Box 5368, North Carolina State University, Raleigh, N.C. 27607.
- SYLVESSON, PROF. KONSTANTIN. Sociology. See L-Z Vol. 11th ed, Soc. & Behav. Vols. New position: Prof. sociol., Althegny Col., 69- Address: R.D. 3, Park Ave. Extension, Meadville, Pa. 16335.
- SYMMONS, GIFFORD H (ARVEY). Operations Analysis, Business Management. See L-Z Vol. 11th ed, Soc. & Behav. Vols. New information: Independent consult., 68- Address: 138 Temelec Circle, Sonoma, Calif. 95476.
- SYMONS, DR. PHILIP EDWARD KYRLE. Animal Behavior. See Suppl. V to 11th ed, Phys. & Biol. Vols.
- SZASZ, PAUL C (HARLES). Law. See L-Z Vol. 11th ed, Soc. & Behav. Vols. Change of address: 2850 Arizona Terr., N.W., Washington, D.C. 20016.
- SZATALOWICZ, DR. F (LORIAN) T (HOMAS). Epidemiology, Veterinary Medicine. See Suppl. VI to 11th ed, Phys. & Biol. Vols.
- SZAZ, DR. ZOLTAN MICHAEL. International Relations. See L-Z Vol. 11th ed, Soc. & Behav. Vols. New position: Exec. dir., Am. Inst. on European Unity, Inc., 68- Address: 3939 Livingston St. NW, Washington, D.C. 20015.
- SZORENYI, DR. EMMI, b. Mar. 28, 19; U.S. citizen. PSYCHOLOGY. Ph.D., Pázmány Peter Univ., Budapest, 45; M.S. Indiana, 49; M.A., Loyola (Ill.), 56. Asst. dir. ed. & counseling, Elisabeth's Col., Budapest, 39-47; instr. psychol. Col. St. Catherine, 49-53; asst. prof., Mundelein Col., 53-58; sr. clin. psychologist, St. Mary's Hosp., Montreal, Que., 58-59; PROF. PSYCHOL. & CLIN. COUNSR., ROSARY COL., 59- Psychol. Assn. Clinical psychology; mental health, especially community mental health. Address: Dept. of Psychology, Rosary College, River Forest, Ill. 60305.
- SZWED, DR. JOHN F. Cultural Anthropology. See L-Z Vol. 11th ed, Soc. & Behav. Vols. New position: Assoc. prof. anthrop. & dir. center urban ethnog., Pennsylvania, 69- New publ: Co-auth. Afro-American anthropology, Free Press Glencoe, Macmillan, 70. Address: Center for Urban Ethnography, University of Pennsylvania, 4025 Chestnut St., Philadelphia, Pa. 19104.
- SZYLIOWICZ, DR. JOSEPH S. Political Science. See L-Z Vol. 11th ed, Soc. & Behav. Vols. New position: Assoc. prof., 69-, Graduate School of International Studies, University of Denver, Denver, Colo. 80210.

T

- TAARFF, DR. GORDON. Audiology, Statistics. See L-Z Vol. 11th ed, Soc. & Behav. Vols. New information: Adj. prof. psychol., Detroit, 68-; mem. staff funded res. dept., Mich. Blue Shield, 68- Address: Office of Institutional Research, University of Detroit, Detroit, Mich. 48221.
- TABB, DR. DAVID, b. Chattanooga, Tenn., Oct. 11, 39; m. 60; c. 2. POLITICAL SCIENCE. B.A., Antioch Col., 62; Ph.D. (polit. sci.), North Carolina, 69. ASST. PROF. POLIT. SCI., Hawaii, 67-69; WILLIAMS COL., 69- Vis. assoc. prof., California, Berkeley, 70-71. Polit. Sci. Assn. Political orientation of the poor; policy analysis. Address: Dept. of Political Science, University of California, Berkeley, Calif. 94720.
- TABBARAH, DR. RIAD B., b. Baghdad, Iraq, July 21, 33; m. 65; c. 1. SOCIAL & ECONOMIC DEVELOPMENT. B.A., American Univ., Beirut, 56; M.A. Northwestern, 58; Ph.D. (econ), Vanderbilt, 65. Chief res. unit, State of Tenn., 60-62; demographer, UN, 62-64, SOC. AFFAIRS OFFICER, 65- Consult., U.S. Labor Dept., 61-62; Tenn. Planning Off., 65- Econ. Assn.; Pop. Assn. Am.; Int. Union Sci. Study Pop. Population theory and policy; social and economic planning. Publ: Demographic techniques for manpower planning in developing countries, U.S. Dept. State, 63; co-auth. Projection techniques for manpower planning in small areas, Tenn. State Planning Off., 66; auth. Birth control and population policy, Pop. Studies, 64. Address: United Nations, Room 2731, New York, N.Y. 10017.
- TABER, PROF. JULIAN INGERSOLL. Experimental Psychology. See L-Z Vol. 11th ed, Soc. & Behav. Vols. New position & address: Prof., 69-, Dept. of Psychology, California State College, California, Pa. 15409.
- TABER, DR. WILLIAM R (ROBERT), b. Utica, N.Y., Sept. 3, 32; m. 56. SOCIOLOGY. A.B., Columbia, 54, M.A., 60, Ph.D. (sociol.), 69. Lectr. sociol., Columbia, 60-61, instr. 61-64; lectr. anthrop. & sociol., Queens Col. (N.Y.), 64-67; instr. SOCIOL., JOHN JAY COL., CITY UNIV. NEW YORK, 67-70, ASST. PROF., 70- U.S.A. 56-58. Assoc. mem. Sociol. Assn. Empirical and theoretical studies of sociological, attitudinal and organizational preconditions for effective normative authority in relationships between college faculty and students; normative compliance theory and complex organizations. Publ: Ed. Man in contemporary society, Columbia Univ., 62; co-auth. Scope, pervasiveness and tension management in complex organizations, Social Res., summer 63. Address: Dept. of Sociology, John Jay College of Criminal Justice, City University of New York, New York, N.Y. 10010.
- TABOR, DR. ANTHONY B (ENJAMIN), b. Chicago, Ill., Dec. 6, 20; m. 56; c. 4. CLINICAL PSYCHOLOGY, COUNSELING. B.S., Loyola (Ill.), 49, M.A., 52, Ph.D. (clin. psychol.), 59. Lectr. psychol., Loyola (Ill.), 49-59. Supr. qual. res., J. Walter Thompson, 57-60; mgr. psychologist, Rohrer, Hibler, Replogle, 60-63; CLIN. PSYCHOLOGIST, CENT. MEN. MENT. HEALTH CENTER, 63- U.S.A.A.F. 42-45, T/Sgt. Psychol. Assn. Process analysis of Rorschach interpretation; behavior modification. Address: Central Minnesota Mental Health Center, 1321 13th St. N., St. Cloud, Minn. 56301.
- TACHINO, DR. TAD (AMI), b. Bountiful, Utah, Feb. 8, 28; m. 52; c. 1. ECONOMICS. B.S., American Univ., 52, M.A., 54, Ph.D. (econ), 60; Harvard, 53. ECONOMIST, U.S. Dept. Commerce, 62-67; OFF. TAX ANAL. IN OFF. SECY., U.S. DEPT. TREAS., 67- Mil. Intel. Res. U.S.A., 48-53, Lt. Econ. Assn. Industrial growth; fiscal policies affecting industries and economy. Address: 4616 S. Seventh St., Arlington, Va. 22204.
- TADLOCK, MAX REID. Communications. See L-Z Vol. 11th ed, Soc. & Behav. Vols. New position: Pres., Tadlock Assocs., 68- Address: 660 S. Springer Rd., Los Altos, Calif. 94022.
- TAUBER, DR. ALMA F., b. Seattle, Wash., Sept. 19, 33; m. 60; c. 2. SOCIOLOGY. B.A., Washington State, 54; M.A., Chicago, 60, Ph.D. (sociol.), 62. Res. assoc. publ. res. center, Chicago, 64; proj. assoc. dept. sociol., WISCONSIN, MADISON, 64-66, RES. ASSOC. INST. RES. ON POVERTY, 66. Sociol. Assn.; Pop. Assn. Am. Residential and occupational segregation of Negroes. Publ: Co-auth. Negroes in cities, Aldine, 65; Changing character of negro migration, Am. J. Sociol., 65; auth. Recent immigration and studies of ethnic assimilation, Demography, 67. Address: Dept. of Sociology, University of Wisconsin, Madison, Wis. 53706.
- TAGATZ, DR. GLENN E (WINN). Educational Psychology. See L-Z Vol. 11th ed, Soc. & Behav. Vols. New position & address: Assoc. prof., 68-, Marquette University, 502 N. 15th St., Milwaukee, Wis. 53233.
- TAIRA, DR. KOJI. Economics. See L-Z Vol. 11th ed, Soc. & Behav. Vols. New position & address: Prof. econ. & indus. rels., 70-, Dept. of Economics, University of Illinois, Box 111, Commerce W., Urbana, Ill. 61801.
- TAKAGI, DR. PAUL T., b. Auburn, Calif., May 3, 23; m. 50; c. 2. SOCIOLOGY, CRIMINOLOGY. A.B., California, Berkeley, 49; M.A., Stanford, 63, Ph.D. (sociol.), 67. Correctional worker, Dept. Corrections, Calif., 50-57, res. analyst, 57-61, res. supvr., 64-65; res. dir. criminol., CALIFORNIA, BERKELEY, 65-67, lectr. criminol. & ed., 67-69, ASSOC. PROF. CRIMINOL., ASSOC. DEAN SCH. CRIMINOL. & CHMN. ASIAN STUDIES, 69- Asst. prof., Calif. State Col. Hayward, 64-67. U.S.A., 44-45. Sociol. Assn.; Soc. Study Social Probs; Nat. Coun. Crime & Delinquency. Crime and delinquency with special interest in social control processes; collective violence. Publ: The inmate in the pre-release process, (in press) & co-auth. Case decision-

- making, (in press), Wiley; auth, Effects of parole agent judgments, *Psychiatry*, 5/69. Address: School of Criminology, University of California, Berkeley, Calif. 94702.
- TAKESHITA, DR. JOHN Y.** b. Alameda, Calif. Mar. 27, 26; c. 2. SOCIOLOGY. B.A. Park Col. 51; M.A., Michigan, 52. Pop. Coun. fel. 57-58, Ph.D.(sociol), 62; Fulbright fel. Osaka, 55-56. Instr. sociol, California, Los Angeles, 58-62; asst. prof. 63-64; MICHIGAN, 67-68; ASSOC. PROF. POP. PLANNING, CENTER POP. PLANNING, 68-; res. assoc. pop. studies center, 52-67; center pop. planning, 65-68. Assoc. dir., Taiwan Pop. Studies Center, 62-64; part-time consult, Pop. Coun. N.Y., 62-67. U.S.A., 46-47. Sociol. Asn.; Pop. Asn. Am.; Int. Union Sci. Study Pop. Fertility trends, family planning and induced abortion in Japan; family planning experiment and evaluation in such countries as Taiwan, Korea and now Malaysia; theoretical interest in the relationship between social structure and fertility behavior. Publ: Co-auth, Family planning in Taiwan, Princeton, 69; auth, Population control in Japan: miracle or secular trend, Marriage and Family Living, 2/63; co-auth, Measuring acceptances in a family planning program, Demography, Vol. 4, No. 1. Address: Center for Population Planning, University of Michigan, 1225 S. University Ave, Ann Arbor, Mich. 48104.
- TAKETOMO, DR. YASUHIKO**, b. Tokyo, Japan, July 30, 21; m. 46; c. 2. PSYCHIATRY. B.A. First Col, Tokyo, 42; M.D. Osaka, 45, fel. 45-48, D.Med.Sc. (biochem), 59; csg. training psychoanal. med. Columbia, 59. Asst. biochem. med. sch. Osaka, 48-49; neuropsychiat, 49-51; asst. psychiatrist, res. dept, Worcester State Hosp, 52; res. resident psychiatrist, Rockland State Hosp, 52-55, sr. res. scientist, 55-67; res. assoc. St. Vincent's Hosp. & Med. Center of New York, 64-67; ASST. PROF. PSYCHIAT, N.Y. Med. Col., 68-69; ALBERT EINSTEIN COL. MED., 70-; CHIEF MENT. RETARDATION SERV., BRONX STATE HOSP, 70-; Res. asst. col. physicians & surgeons, Columbia, 52-59, res. assoc., 60-64; lectr. Osaka, 54; vis. scientist, Nat. Heart Inst., 56; assoc. in psychiat, N.Y. Sch. Psychiat., 62-67; Health Res. Coun. career scientist, City of New York, 64-69; acad. faculty, Dept. Ment. Health, State of Conn., 65-67. Imp. Japanese Navy, 45. Psychiat. Asn.; Acad. Psychoanal.; Asn. Psychoanal. Med.; N.Y. Acad. Med. Biochemical methods in psychiatric research; psychobiology of communicational behavior; methodology of dynamic-transactional psychiatry; mental retardation. Address: 315 E. 86th St, New York, N.Y. 10028.
- TALAVAGE, DR. JOSEPH JOHN**. Systems & Electrical Engineering. See Suppl. VI to 11th ed, Phys. & Biol. Vols.
- TALBOT, DR. EUGENE**. Clinical & Social Psychology. See L-Z Vol, 11th ed, Soc. & Behav. Vols. New information: Private practice, 69. Address: 184 North St, Pittsfield, Mass. 01201.
- TALBOT, DR. PHILLIPS**. Political Science, International Relations. See L-Z Vol, 11th ed, Soc. & Behav. Vols. New position & address: Pres., 70-, The Asia Society, 112 E. 64th St, New York, N.Y. 10021.
- TALIANA, DR. LAWRENCE EDWIN**. Psychology. See L-Z Vol, 11th ed, Soc. & Behav. Vols. New information: Also asst. to chancellor acad. affairs, Southern Illinois University, General Office Bldg, Edwardsville, Ill. 62025.
- TALLMAN, DR. FRANK FORD**. Psychiatry. See L-Z Vol, 11th ed, Soc. & Behav. Vols. New information: Med. dir., Westwood Hosp, Los Angeles, 69. Address: Dept. of Psychology, University of California, Medical Center, Los Angeles, Calif. 90024.
- TAMBURRO, DR. CARLO HORACE**. Internal Medicine. See Suppl. VI to 11th ed, Phys. & Biol. Vols.
- TAMKOC, PROF. METIN**, b. Ankara, Turkey, Sept. 2, 26; m. 56; c. 2. INTERNATIONAL LAW & RELATIONS. LL.B., Istanbul, 50; M.A., Maryland, 55; Ph.D.(int. law), Georgetown, 60. Asst. prof. int. rels, Middle East Tech, Ankara, 60-64, assoc. prof., 66-68; GOVT, TEXAS TECH, 64-66, PROF., Fulbright scholars, 64, 66; NATO fel., 67-69. Summer consult, Peace Corps training prof., Portland State Col, 64, 65. Mem. spec. grant cmt, Int. Exchange Persons, summer 66. Soc. Int. Law, Int. Studies Asn.; Polit. Sci. Asn. International organization; Middle Eastern government. Publ: Political and legal aspects of armistice states, 63, International civil war, 67 & A bibliography on the foreign relations of the Republic of Turkey, 68, Middle East Tech. Univ. Address: Dept. of Government, Texas Tech University, Lubbock, Tex. 79409.
- TAMM, FELIKS**, b. Lugaunse, Estonia, Mar. 4, 19; U.S. citizen; m. 59; c. 1. ECONOMICS. B.A., Frankfurt, 49; M.A., Nebraska, Lincoln, 53; Columbia, 55-59. Statistica, BUR. CENSUS, U.S. DEPT. COMMERCE, 60-67, EXEC. ED, Bus. Cycle Develops, 67-68, BUS. CONDITIONS DIGEST & DEFENSE INDICATORS, Econ. Asn.; Statist. Asn.; Business cycle research and time series analysis. Address: Bureau of the Census, U.S. Dept. of Commerce, Washington, D.C. 20233.
- TAN, DR. FRITS JOHAN EDMUND**, b. Djakarta, Indonesia, June 26, 30; m. 64; c. 2. ECONOMICS, ECONOMIC HISTORY. B.A., Indonesia, 53, M.A., 56, Ph.D.(econ), Syracuse, 67, Lectr. ECON Indonesia, 56-57, sr. lectr., 60-64; asst. prof., NORTHLAND COL., 67-70, ASSOC. PROF., 70-. Econ. Asn.; Asn. Comp. Econ. Economic theory; economic development of Southeast Asia; comparative economic systems; history of economic thought and economic history, especially Southeast Asia. Publ: Aspects of an Indonesian economic historiography, In: An introduction to Indonesian historiography, Cornell Univ., 65. Address: Dept. of Economics, Northland College, 1411 Ellis Ave, Ashland, Wis. 54806.
- TAN, DR. WAI-YUAN**, b. China, Aug. 14, 34; m. 64; c. 1. STATISTICS, BIOLOGY. B.A., Taiwan Prov. Col. Agr. 53, 55, M.A., Taiwan Univ., 59; M.S. (math) & M.S. (statist), Wisconsin, 63, Ph.D.(statist), 67. Asst. res. fel., biostatist., Inst. Bot. Acad. Sinica, Taiwan, 59-61, asst. res. fel., 64-67, res. fel., 67-68; assoc. prof. statist., Nat. Taiwan Univ. 65-67; biostatist., Biol. Res. Center, Taiwan, 65-67, prof., 67-68; ASST. PROF. STATIST, WIS-
- CONSIN, MADISON, 68-. Vis. assoc. prof., Tsing Hua Univ, Taiwan, 65-67; statist. adv. Joint Inst. Indust. Res., Taiwan, 65-67. Statist. Asn.; Biomet. Soc.; Inst. Math. Statist. Genetics. Publ: On the lower bounds for the variances of estimators in the sampling theory framework, Math. Res. Center, Taiwan, 67; co-auth, Bayesian analysis of random effect model, 1, 65 & II, 66, Biometrika. Address: Dept. of Statistics, University of Wisconsin, 1210 W. Dayton St, Madison, Wis. 53706.
- TANEJA, DR. V(DYA) (SAGAR)**. Statistics, Mathematics. See L-Z Vol, 11th ed, Soc. & Behav. Vols. New position & address: Assoc. prof., 70-, Dept. of Mathematics, Western Illinois University, Macomb, Ill. 61455.
- TANENHAUS, PROF. JOSEPH**. Political Science. See L-Z Vol, 11th ed, Soc. & Behav. Vols. New position & address: Chmn., 69-, Dept. of Political Science, State University of New York at Stony Brook, Stony Brook, N.Y. 11790.
- TANG, PROF. ANTHONY M (MATTHEW)**. Economics. See L-Z Vol, 11th ed, Soc. & Behav. Vols. Change of address: 6728 Currywood Dr, Nashville, Tenn. 37205.
- TANGRI, DR. SHANTI SWAROOP**. Economics. See L-Z Vol, 11th ed, Soc. & Behav. Vols. New position & address: Prof. & chmn., 70-, Dept. of Economics, Livingston College, Rutgers University, New Brunswick, N.J. 08903.
- TANNER, PROF. CLARA LEE**. Anthropology. See L-Z Vol, 11th ed, Soc. & Behav. Vols. New position: Prof., 68-, Dept. of Anthropology, University of Arizona, Tucson, Ariz. 85721.
- TANNER, DR. JOHN ERNEST**, b. Mission City, B.C. Oct. 15, 42; m. 65. ECONOMICIS. A.B., California, Santa Barbara, 44; univ. fel., Brown, 65-66, Nat. Defense Ed. Act fel., 66-68, Ph.D.(econ), 68. ASST. PROF. ECON., WEST-ERN ONTARIO, 68-. Econ. res. consult, Dom. Bur. Statist., 69-70. Econ. Asn.; Finance Asn. Monetary theory; monetary policy; public finance. Publ: Capital flows and American business activity, J. Polit. Econ., 1/68; Monetary policy, Bus. Econ., 5/69; Large in monetary policy, Am. Econ. Rev., 12/69. Address: Dept. of Economics, University of Western Ontario, London, Ont, Can.
- TANNER, DR. TRIEVE A. JR.**, b. Altadena, Calif. June 22, 29; m. 52; c. 3. PSYCHOLOGY. B.A., California, Los Angeles, 55, Ph.D.(psychol), 62. RES. PSYCHOLOGIST, NASA AMES RES. CENTER, 62-. U.S.A., 50-52, Sgt. AAAS; Psychol. Asn. Publ: Co-auth, Intermodality judgments of signal duration, Psychonomic Sci, 68, Signal recognition as influenced by presentation schedules, Perception & Psychophysics, 67 & Signal recognition as influenced by information feedback, J. Math. Psychol., 70. Address: NASA Ames Research Center, Moffett Field, Calif. 94035.
- TANZER, DR. MICHAEL DAVID**, b. New York, N.Y. July 27, 35; m. 58; c. 2. ECONOMICS, POLITICAL ECONOMY. A.B., Woodrow Wilson fel. & Soc. Sci. Res. Coun. fel., Harvard, 57, A.M., 60, Ph.D.(econ), 62. Develop. economist, Esso Standard East, Inc., 62-64; sr. assoc. Joel Dean Assocs., Inc., 64-68; PRES, TANZER ECON. ASSOCs, 69-. Econ. Asn. Economic and natural resource development; political economy of current United States social problems; international finance; United States foreign economic relations. Publ: The political economy of international oil and the underdeveloped countries, Beacon, 69; Arena of gold: Europe defers the dollar, 9/68 & Depression warning: out on the credit limb, 6/69, The Nation. Address: 302 W. 86th St, New York, N.Y. 10024.
- TAPP, DR. JESSE WASHINGTON**, JR. Community Medicine. See Suppl. VI to 11th ed, Phys. & Biol. Vols.
- TAPP, DR. JUNE LOUIN**. Social Psychology. See L-Z Vol, 11th ed, Soc. & Behav. Vols. New information: Assoc. prof. lectr., Chicago, 67-; prog. dir. & res. soc. psychologist, Am. Bar Found., 67. Address: 5830 Stony Island, Chicago, Ill. 60637.
- TAPPEN, PROF. NEIL (CAMPBELL)**. Anthropology. See L-Z Vol, 11th ed, Soc. & Behav. Vols. New position: Earnest A. Hooton prof. anthrop., 69-, Dept. of Anthropology, University of Wisconsin, Milwaukee, Wis. 53201.
- TARPLEY, DR. FRED A.** b. S. Sept. 13, 36; U.S. citizen; m. 60. ECONOMICIS. B.B.A., Baylor, 58; South. Fel. Fund award, Tulane, 58-61, Pub. Awards grant, 61-62, Ph.D.(econ), 67. Asst. prof. ECON, GA. INST. TECH, 62-67, ASSOC. PROF., 67-. Econ. Asn.; Regional Sci. Asn. Urban transportation; government regulation of utility industries; antitrust economics; regional and urban economics. Publ: Co-auth, The timing dimension of urban transport decisions, Transportation Res. Forum, 68; auth, Technology, labor markets and location, Southeast. Regional Sci. Papers, 68. Address: 2741 Dover Rd. N.W., Atlanta, Ga. 30317.
- TARPY, DR. ROGER M.** b. Dayton, Ohio, Nov. 18, 41; m. 67; c. 1. EXPERIMENTAL PSYCHOLOGY. A.B., Amherst Col, 63; univ. fel. Col. William & Mary, 64-65, M.A., 65; M.A., Princeton, 66, Nat. Insts. Health fel., 66-67, Ph.D.(psychol), 67. Intern PSYCHOL, East State Hosp, 63-64; res. asst., Princeton, 65-66; ASST. PROF., WILLIAMS COL., 67-. Chief investor, Nat. Insts. Health grant, 68-69. Consult, Gen. Elec. Co., 68. Psychol. Asn. Animal learning and motivation; fear conditioning; reinforcement measurement; retention. Publ: Reinforcement difference limen (RDL) for delay in shock escape, J. Exp. Psychol., 1/69, Motivation and short-term retention: evidence for covert rehearsal, Am. J. Psychol., 3/69 & Stimulus facilitation of delayed-reward learning in the rat, J. Comp. & Physiol. Psychol., 4/70. Address: Dept. of Psychology, Williams College, Williamstown, Mass. 01267.
- TARTER, DR. DONALD EDWARD**, b. Murfreesboro, Tenn. Apr. 13, 38; m. 58; c. 1. SOCIOLOGY. B.S., Middle Tenn. State, 60; Ph.D.(sociol), Tennessee, 66. Teaching asst. SOCIOL, Tennessee, 62-64; instr., Middle Tenn. State, 64-66; ASST. PROF., ALABAMA, HUNTSVILLE, 66-. U.S.A., 61, Res. 1st Lt. Sociol. Asn.; Acad. Polit. & Soc. Sci. Attitude-action discrepancy; applying principles of operant psychology to sociology. Publ: Toward prediction of attitude-action discrepancy, Soc. Forces, 6/69; Attitude-the mental myth, Am. Sociologist, 8/70. Address: 2018 Wooddale Dr, Huntsville, Ala. 35801.

- TASHJEAN, DR. JOHN F.** b. Los Angeles, Calif. June 15, 31; m. 62. **POLITICAL SCIENCE, INTERNATIONAL RELATIONS.** B.A. Col. St. Thomas, 51; F. Kosmerl fel, Chicago, 51-52; univ. fel, Georgetown, 57-60, M.A., 58, Ph.D. (polit. theory), 62. Screener, microfilming proj. Am. Hist. Assn, 60; assoc. researcher, Mach. Transl. Inst., 60-61; assoc. scientist, Wash. Res. Off. Tech. Oper., Inc., 61-62; staff mem., Hudson Inst., 62-63; res. analyst, econ. & polit. studies div., Inst. Defense Anal., 63-65; **ASST. PROF., POLIT. SCI., CANISIUS COL.**, 66-67; faculty fel, summer 70, U.S.A.F. 52-55. **Polit. Sci. Assn.** Political Augustinianism; political theory since the French Revolution; social heterogeneity and stratification; military sociology; national character analysis; history of social science. **Publ.** Where China meets Russia, Cent. Asian Collectanea, 59; A military aspect of the circulation of elites, 67 & Interest in Pareto's sociology, 70, Cahiers Vilfredo Pareto. Address: 192 Linden Ave., Buffalo, N.Y. 14216.
- TATA, DR. ROBERT J(OSEPH).** b. New Britain, Conn. Mar. 3, 35; m. 58; c. 3. **GEOGRAPHY.** A.B. Syracuse, 57, M.A., 61, Watson fel., 61-62, Ph.D.(geog.), 68. **Asst. prof. GEOG., FLORIDA ATLANTIC, 64-69.** **ASSOC. PROF.** 69-Permanent consult. faculty, U.S. Army Command & Gen. Staff, 67-69. U.S.A.R., 58-60, Capt. **Asn. Am. Geog. Assn. Geog. Soc.; Regional Sci. Assn.** Development of underdeveloped countries, especially Latin America; economic geography; geographic methodology. **Publ.** A space potential interpretation of transportation efficiency in northeast Mexico, Proc. Int. Geog. Cong., 68; Review of new geographic methods and techniques, U.S. Army Corps Engrs., 69; Geographic thought: progress through evolution, not reaction, Southeast. Geogra. 70. Address: Dept. of Geography, Florida Atlantic University, Boca Raton, Fla. 33432.
- TATE, DR. JAMES OLIVER.** Psychology. See L-Z Vol, 11th ed, Soc. & Behav. Vols. New position & address: Psychologist, 69-, University of Oklahoma, 1700 Asp Ave., Norman, Okla. 73069.
- TATKON, (MARVIN) DANIEL.** Economic Geography, Urban Planning. See L-Z Vol, 11th ed, Soc. & Behav. Vols. New position & address: V-pres. res., 68-, Equity Research Associates, Inc., 55 Broad St., New York, N.Y. 10004.
- TATSOUS, DR. THEODORE GEORGE.** Modern History. See 5th ed, Dir. Am. Scholars, Vol. I, Hist.
- TAUB, DR. RICHARD P.** b. New York, N.Y. Apr. 16, 37; m. 61; c. 1. **SOCIOLOGY.** B.A., Michigan, 60; M.A., Harvard, 61, Ph.D.(sociol.), 66. **ASST. PROF.** social, Brown, 65-69; **SOCIOLOGICAL & SOC. SCI. CHICAGO**, 69- AAAS; **Sociol. Assn.** Asn. Asian Studies. Indian society; bureaucracy; political sociology. **Publ.** Bureaucrats under stress: administrators and administration in an Indian state, Univ. California, 69. Address: Dept. of Sociology & Social Science, University of Chicago, 5811 Ellis Ave., Chicago, Ill. 60637.
- TAULBEE, DR. EARL S(ELDON).** Clinical Psychology. See L-Z Vol, 11th ed, Soc. & Behav. Vols. New position: Chief psychol. serv., 68-, Veterans Administration Center, Bay Pines, Fla. 33504.
- TAUS, PROF. ESTHER R(OGOFF).** Economics. See L-Z Vol, 11th ed, Soc. & Behav. Vols. New position: Assoc. prof. econ. & chmn. dept., Lehman Col., 69- Address: 1882 Grand Concourse, New York, N.Y. 10457.
- TAVUCHIS, DR. NICHOLAS.** b. New York, N.Y. Nov. 2, 34; m. 60; c. 2. **SOCIOLOGY.** B.A., Columbia, 55, M.A., 61, Nat. Inst. Ment. Health fel., 63-66, Ph.D.(sociol.), 68. **ASST. PROF. SOCIOL., CORNELL**, 66- U.S.A. 56-58. **Sociol. Assn.** Anthropol. Assn. Study Soc. Probs. Historical sociology; kinship and the family; social stratification; ethnic groups. **Publ.** Pastors and immigrants, Martinus Nijhoff, 63; The analysis of family roles: a methodological critique. In: The family and its future, Williams & Wilkins, 70. Address: Dept. of Sociology, McGraw Hall, Cornell University, Ithaca, N.Y. 14850.
- TAYLOR, DR. CHARLES LEWIS.** Political Science. See L-Z Vol, 11th ed, Soc. & Behav. Vols. New position & address: Assoc. prof., 70-, Dept. of Political Science, Virginia Polytechnic Institute, Blacksburg, Va. 24060.
- TAYLOR, DR. CHRISTOPHER J.** b. Portsmouth, Va. Dec. 20, 42; m. 68. **PSYCHOLOGY.** A.B. Wittenberg, 64; M.S. Ohio, 66, Nat. Inst. Ment. Health fel., 67-68, Ph.D.(psychol.), 68. **ASST. PROF. PSYCHOL., WEST. WASH. STATE COL.**, 68- **Psychol. Assn.** Psychosomatic Soc. Hunger; non-caloric foods; incentive variables; cooperation; early environmental experience; body weight regulation. **Publ.** Co-auth. Effects of nonnutritive bulk on eating behavior, 10/67 & auth. Effects of nonnutritive bulk as a reinforcer, 10/69, J. Comp. & Physiol. Psychol.; co-auth. Report of a nonnutritive food substance, palatable to rats, Behav. Res. Methods & Instrumentation, 9/68. Address: Dept. of Psychology, Western Washington State College, Bellingham, Wash. 98225.
- TAYLOR, PROF. COUNCIL S(AMUEL).** Social Anthropology. See L-Z Vol, 11th ed, Soc. & Behav. Vols. New position & address: Prof., 69-, Dept. of Anthropology, State University of New York at Old Westbury, Oyster Bay, N.Y. 11771.
- TAYLOR, DR. DALMAS A.** Social Psychology. See L-Z Vol, 11th ed, Soc. & Behav. Vols. New position: Chmn. dept. psychol. Fed. City Col., 69- Address: 4110 Whispering Lane, Annandale, Va. 22003.
- TAYLOR, DEAN DONALD W(AYNE).** Psychology. See L-Z Vol, 11th ed, Soc. & Behav. Vols. New position: Eugene Higgins prof. psychol. & dean, 69-, Graduate School, Yale University, 111 Hall of Graduate Studies, New Haven, Conn. 06520.
- TAYLOR, DR. FRED M.** Pediatrics, Child Behavior. See Suppl. V & VI to 11th ed, Phys. & Biol. Vols.
- TAYLOR, DR. HASSELTINE BYRD.** Social Work. See L-Z Vol, 11th ed, Soc. & Behav. Vols. Change of address: 6000 Redwood Rd, Napa, Calif. 94558.
- TAYLOR, PROF. IRVING A.** Psychology. See L-Z Vol, 11th ed, Soc. & Behav. Vols. Change of address: 3014 Lawndale Dr, Greensboro, N.C. 27408.
- TAYLOR, DR. JAMES ADDISON.** b. Sidney, Ohio, Nov. 24, 32; m. 60; c. 2. **GEOGRAPHY.** B.A. Kent State, 54; M.S., Illinois, 56, Ph.D.(geog.). 62. Instr. geog., Bowling Green State, 60-63; asst. prof. geog. & head dept. geog. & geol., BRADLEY, 63-68. **ASSOC. PROF. GEOG. & HEAD DEPT. GEOG. & EARTH SCI.**, 68- **ASSOC. DEAN, COL. LIB. ARTS & SCI.**, 69-, asst. dean, 66-69. **Asn. Am. Geog. Physical and economic geography, especially Anglo-America; industrial development and location; university academic administration.** Address: Dept. of Geography and Earth Sciences, Bradley University, Peoria, Ill. 61606.
- TAYLOR, DR. JAMES (BENTLEY).** Social & Clinical Psychology. See L-Z Vol, 11th ed, Soc. & Behav. Vols. New position: Dir. res. dept., 69-, Menninger Foundation, Topeka, Kans. 66601.
- TAYLOR, DR. JAMES RONALD.** b. Springfield, Ill. May 11, 38; m. 63; c. 1. **BUSINESS ADMINISTRATION.** B.A., Iowa, 60; M.S., Minnesota, 64, Am. Mkt. Assn. fel., 65, Kaiser Aluminum & Chem. Corp. fel., 66, Ph.D.(bus), 67. **Consumer analyst, Gen. Mills, Inc.**, 61-64; res. asst. consumer behavior, Minnesota, 64-65, teaching asst. mkt., 65-67; **ASST. PROF. BUS. ADMIN., MINNESOTA**, 67-69; **Asst. Prof., Mkt. Sci. Inst.**, 69- **Mkt. Assn.** Marketing research; buyer behavior; marketing management and multivariate techniques. **Publ.** Co-auth. The consumer and his alternatives: an experimental approach, 66 & auth. Reevaluation of preference distribution analysis, 68, J. Mkt. Res.; Unfolding theory applied to market segmentation, J. Advertising Res., 69. Address: 608 Business Administration Bldg., University of Michigan, Ann Arbor, Mich. 48104.
- TAYLOR, DR. JAMES SCOTT.** Romance & Germanic Languages. See 5th ed, Dir. Am. Scholars, Vol. III, For. Lang. Ling. & Philol.
- TAYLOR, PROF. JAMES W(OODALL).** Geography. See L-Z Vol, 11th ed, Soc. & Behav. Vols. New position & address: Prof. geog., 69-, Dept. of Geography & Geology, Western Kentucky University, Bowling Green, Ky. 42101.
- TAYLOR, DR. KENNETH L(APHAM).** History of Science. See 5th ed, Dir. Am. Scholars, Vol. I, Hist.
- TAYLOR, DR. LESTER DEAN.** Economics. See L-Z Vol, 11th ed, Soc. & Behav. Vols. New position & address: Assoc. prof., 69-, Dept. of Economics, University of Michigan, Ann Arbor, Mich. 48104.
- TAYLOR, PROF. M(ALCOLM) G(ORDON).** Political Science. See L-Z Vol, 11th ed, Soc. & Behav. Vols. New position & address: Prof., 69-, York University, Downsview, Toronto, Ont. Can.
- TAYLOR, DR. MORRIS H.** Agricultural Economics, Marketing. See L-Z Vol, 11th ed, Soc. & Behav. Vols. New information: Also prof., Utah State, Address: 131 E. Second St., Hyde Park, Utah 84318.
- TAYLOR, PROF. NORMAN EUGENE.** Economics, Business Administration. See L-Z Vol, 11th ed, Soc. & Behav. Vols. New position: V-pres. res., 68-, University of Montana, Missoula, Mont. 59801.
- TAYLOR, PROF. NORMAN WILLIAM.** Economics. See L-Z Vol, 11th ed, Soc. & Behav. Vols. New position: Prof., 69-, Dept. of Economics, Franklin & Marshall College, Lancaster, Pa. 17604.
- TAYLOR, DR. ORLANDO LEROY.** b. Chattanooga, Tenn. Aug. 9, 32; m. 57; c. 2. **SPEECH PATHOLOGY.** B.S., Hampton Inst., 57; Ind. Dept. Health scholar, Indiana Univ., 58. Ind. Div. Ment. Health scholar, 58-59, U.S. Off. Voc. Rehab. trainee, 59-60, A.M., 60; U.S. Off. Voc. Rehab. trainee & John Hay Whitney Found. fel., Michigan, 62-63, Am. Speech & Hearing Assn. fel., 63, U.S. Pub. Health Serv. fel., 63-65, univ. fel., 64-65, Ph.D.(speech path), 66. **Speech & hearing clinician, Ft. Wayne State**, Ind., 57-58, dir. speech & hearing dept., 60-62; speech therapist, Indiana Univ., 58-59; grad. asst., Michigan, 62, instr. speech, 65; asst. prof. Indiana, Bloomington, 65-69; **ASSOC. DIR. LANG. IN ED. PROG. CENTER FOR APPL. LING.**, D.C., 69-Vis. assoc. prof., Howard Univ. & Univ. Pittsburgh, 69- **Consult.** Community Coord. Center Rehab. & Health Serv., Ft. Wayne, 60-62; Ind. Civil Rights Cmn., 68-69; **Spec. Serv. for Disadvantaged & Bur. of Ed. Personnel Develop.**, U.S. Ct. Ed., 68-; **submt.** on compensatory ed., Soc. Sci. Res. Coun., 69-; **model pre-sch. prog.** for socially disadvantaged deaf children, Mt. Carmel Guild, 69- **Speech & Hearing Assn.(cert. clin. competence speech path); Acad. Aphasia; Ling. Soc. Am.; Psychol. Assn.; Nat. Asn. Afro-Am. Ed. Sociolinguistics; aphasia; language acquisition; psycholinguistics; five interrelated studies to increase the effectiveness of English language instruction in schools.** **Publ.** Co-auth. A community oriented teaching and rehabilitation program for aphasics, Ind. Speech & Hearing Assn., 69; Neuropsycholinguistics and language reacquisition, In: Language retraining in adult, Ohio State Found. Columbus, 69; auth. Aphasia research at Indiana University, Lang. Sci., 5/69. Address: 1717 Massachusetts Ave. N.W., Washington, D.C. 20036.
- TAYLOR, DR. PHILLIP HARRY, JR.** b. Lufkin, Tex. Sept. 5 35; m. 57; c. 1. **MANAGEMENT SCIENCE, ECONOMICS.** B.A., Lamar State Col., 57; M.B.A., Arkansas, 59, Ph.D.(bus. admin), 66. **Instr. econ.** Lamar State Col., 58-61, asst. prof., 61-66; gen. bus., ARKANSAS, FAYETTEVILLE, 66-67, **ASSOC. PROF. QUANT. MGT. SCI. & GEN. BUS.**, 67- **ASSOC. DIR. BUS. BUS. & ECON. RES. & ED. ARK. BUS. & ECON. REV.**, 69- **Lectr.** Centenary Col. Exec. Develop. Prog., 69; participant, workshop on use of computer, Michigan, 69. **Consult.** U.S. Post Off. Dept., 68; West. Ark. Econ. Develop. Dist., 68-69. **Mem. bd. visitors, Postal Serv. inst.**, 68; prin. Econ. & Indust. Res., Inc., 69- **Statistician, Decision Sci. Development of statistical data for use in the evaluation of economic activities and the simulation of decision processes.** **Publ.** Co-auth. A handbook for cost-benefit analysis, U.S. Post Off. Dept., 68 & Elementary statistics, McGraw, (in press); **Motives for migration, Ark. Bus. & Econ. Rev.**, 68. Address: Bureau of Busi-

- ness and Economic Research, Room 12, College of Business Administration, University of Arkansas, Fayetteville, Ark. 72701.
- TAYLOR, PROF. ROBERT.** Journalism. See L-Z Vol. 11th ed, Soc. & Behav. Vols. New information: Also V-pres, 68-, University of Wisconsin, Room 1752 Van Hise Hall, Madison, Wis. 53706.
- TAYLOR, DR. RONALD NIXON.** b. Fulton, Mo, Sept. 5, 38; m. 61; c. 2. INDUSTRIAL PSYCHOLOGY. B.A. Westminster Col, 60; M.A. Nebraska, Omaha, 64; Ph.D. (psychol), Minnesota, 69. Placement specialist, North. Natural Gas Co, 63-64; mgr. personnel res. Deere & Co, 66-68; RES. PSYCHOLOGIST, NORTH STAR RES. & DEVELOP. INST., 68- U.S.A. 61-63, 1st Lt. Psychol. Asn. Design and conduct of governmental and industrial psychological research in areas of managerial effectiveness, manpower utilization, psychological test development and related organizational studies. Address: North Star Research & Development Institute, 3100 38th Ave. S., Minneapolis, Minn. 55406.
- TAYLOR, DR. STUART P(RESTON).** b. Bronx, N.Y. May 29, 39; m. 61; c. 2. PSYCHOLOGY. B.A. City Coll. New York, 61; M.S. Massachusetts, 63, Ph.D. (psychol), 65. Res. assoc. PSYCHOL. Massachusetts, 64-66; ASST. PROF. KENT STATE, 66- Psychol. Asn. Antecedents of physical aggression; psychophysiological concomitants of behavior. Address: Dept. of Psychology, Kent State University, Kent, Ohio 44240.
- TAYLOR, PROF. WALTER WILLARD.** Anthropology. See L-Z Vol. 11th ed, Soc. & Behav. Vols. Change of address: Box 5334, Santa Fe, N.Mex. 87501.
- TAYLOR, DR. WILLIAM RICHARD.** b. Joliet, Ill, Sept. 22, 33; m. 57; c. 2. SOCIOLOGY. B.A. Ashbury Col, 57; M.S. Purdue, 61, Ph.D. (sociol), 66. Asst. prof. social, Indiana, Kokomo, 61-67; assoc. prof. social. & chmn. dept. social. & anthropol. SLIPPERY ROCK STATE COL, 67-70, PROF. SOCIOLOG. & ASSOC. DEAN ARTS & SCI, 70- U.S.A. 54-56. Sociol. Asn. Sociological theory; sociology of science; industrial sociology. Address: Dept. of Sociology & Anthropology, Slippery Rock State College, Slippery Rock, Pa. 16057.
- TAYLOR, PROF. WILLIAM R(OBERT).** History. See 5th ed, Dir. Am. Scholars, Vol. I, Hist.
- TEAGARDEN, DR. ERNEST MERLE.** Modern & Military History. See 5th ed, Dir. Am. Scholars, Vol. I, Hist.
- TEBOR, PROF. IRVING B.** Social Work. See L-Z Vol. 11th ed, Soc. & Behav. Vols. New information: Also acting dean, 69-, School of Social Work, San Diego State College, San Diego, Calif. 92115.
- TEDESCHI, PROF. JAMES T(HEODORE).** Experimental Psychology. See L-Z Vol. 11th ed, Soc. & Behav. Vols. New position & address: Prof. of social psychol, 69-, United States International University, 8655 E. Pomerado Rd, San Diego, Calif. 92124.
- TEDFORD, DR. WILLIAM HOWARD, JR.** b. Charlotte, N.C. May 26, 36; m. 60. EXPERIMENTAL PSYCHOLOGY. B.S. Davidson Col, 58; M.S. Nevada, 63; M.A. Emory, 66, Ph.D. (psychol), 67. Instr. physics, Southern Methodist, 63-64; asst. prof. PSYCHOL. Oberlin Col, 67-69; SOUTHERN METHODIST, 69-70, ASSOC. PROF. 70- Ord. C. 58-61, 1st Lt. Psychol. Asn; Asn. Physics Teachers' Assn. Psychological learning theory; psychological acoustics; visual illusions; short-term memory; transposition phenomena. Publ: Co-auth. Tactual and visual illusions in the T-shaped figure, J. Exp. Psychol., 81: 199-200 & Comparison of physics to psychology majors at a small liberal-arts college, Am. J. Physics, 38: 269-270; auth. Effect of delayed punishment upon choice behavior in the white rat, J. Comp. & Physiol. Psychol., 68: 675-676. Address: Dept. of Psychology, Southern Methodist University, Dallas, Tex. 75222.
- TEEL, PROF. KENNETH S(TREIB).** Psychology. See L-Z Vol. 11th ed, Soc. & Behav. Vols. New position: Prof. manpower mgmt, sch. bus. admin, Calif. State Col, Long Beach, 69- Address: 6511 Driscoll St, Long Beach, Calif. 90815.
- TEELE, DR. JAMES EDWARD.** Sociology. See L-Z Vol. 11th ed, Soc. & Behav. Vols. New position: Assoc. prof. social, 69-, Dept. of Maternal & Child Health, School of Public Health, Harvard University, Boston, Mass. 02115.
- TEEVAN, PROF. RICHARD C(OLLIER).** Psychology. See L-Z Vol. 11th ed, Soc. & Behav. Vols. New position & address: Prof. & chmn, 69-, Dept. of Psychology, State University of New York at Albany, 1400 Washington Ave, Albany, N.Y. 12203.
- TEICHER, PROF. WARREN H(ARDING).** Psychology. See L-Z Vol. 11th ed, Soc. & Behav. Vols. New position & address: Dir, 69-, Institute for Research in Psychobiology, American Institutes for Research, 8555 Sixteenth St, Silver Spring, Md. 20910.
- TEIGLAND, DR. JOHN J(AV).** Psychology, Education. See L-Z Vol. 11th ed, Soc. & Behav. Vols. New position: Assoc. prof, 69-, Dept. of Education, North Dakota State University, Fargo, N.Dak. 58102.
- TELLER, DR. DAVIDA Y(OUNG).** Vision, Psychology. See Suppl. V to 11th ed, Phys. & Biol. Vols.
- TELLER, PROF. JAMES D(AVID).** Educational Psychology. See L-Z Vol. 11th ed, Soc. & Behav. Vols. Change of address: Dept. of Education, University of Dallas, Irving, Tex. 75060.
- TELLEW, PROF. FUAD H(ANNA).** b. Baghdad, Iraq, Jan. 23, 27; U.S. citizen; m. 53; c. 2. ECONOMICS, ECONOMIC DEVELOPMENT. B.S. Col. Commerce & Econ, Baghdad, 50; M.A. Southern California, 54, Ph.D. (econ), 59. Clerk estimating sect, Eng. Dept, Iraqi State Railways, 44-49, sr. clerk acct. sect, 50-51; asst. ECON, Southern California, 57-58, lectr, 59-60; asst. prof. CALIF. STATE POLYTECH. COL, SAN LUIS OBISPO, 60-64, assoc. prof, 65-67, PROF. 68-, ACTING HEAD DEPT., 70-. Vis. res. fel, California, Berkeley, 67-68. Term mem, Calif. State Col. Int. Study Prof. to Pakistan, U.S. Dept. Health, Ed. & Welfare, summer 65. Econ. Asn. Middle East and North African economic development; joint foreign-local enterprise as a possible aid for economic development of the less developed countries; popular government, political stability and economic development in the less developed countries. Address: Dept. of Economics, School of Business & Social Sciences, California State Polytechnic College, San Luis Obispo, Calif. 93401.
- TELTSCHER, DR. HERRY O. b.** Vienna, Austria, Nov. 11, 10; U.S. citizen; m. 62; c. 3. CLINICAL PSYCHOLOGY. M.A. New Sch. Soc. Res, 54; Ph.D. (psychol), Yeshiva, 64. Consult. Off. Strategic Serv, 40-41; res. asst. projective techniques, Essex County Overbrook Hosp, Cedar Grove, N.J., 49-54; lectr. psychiat, Wayne State, 55; res. asst. neuropsychiat, Lincoln Hosp, New York, 57-59; DIR. SUPV. MORTON PRINCE CLIN. HYPNOTHERAPY, 64-68, Mil. Intel, U.S.A. 42-45, Sgt. Psychol. Asn; Sociol. Asn; fel. Soc. Clin. & Exp. Hypnosis. Development of grapho-diagnosis, the evaluation of physical, emotional and mental disturbances from handwriting specimens; research into, and application of hypnotherapy. Publ: Handwriting, a sourcebook of grapho-diagnosis, Hawthorn, 70; co-auth. Neuropsychiatry and grapho-diagnosis in Parkinson research, Acta Psychiat. Neurol. Scandinavica, 61; auth. Grapho-diagnosis, J. Am. Soc. Psychosomatic Dentistry & Med, 66. Address: 165 E. 80th St, New York, N.Y. 10021.
- TEMPLER, DR. DONALD I.** b. Chicago, Ill, Aug. 26, 38. PHYSIOLOGICAL & CLINICAL PSYCHOLOGY. A.B. Ohio, 60; M.A., Bowling Green State, 61; Ph.D. (psychol), Kentucky, 67. Dir. dept. psychol, West. State Hosp, Hopkinsville, Ky. 65-67; asst. prof. psychol, Western Kentucky, 67-69. FEL. NEUROPSYCHOL. WASHINGTON (ST. LOUIS) & JEFFERSON BARRACKS VET. ADMIN. HOSP. 68- Consult, Paduch Regional Ment. Health Center, 65-67; South. Ky. Regional Ment. Health Center, 67-68; Mammoth Cave Regional Ment. Health Center, 67-68. Psychol. Asn; Soc. Psychophysiol. Res. Intracranial electrical stimulation; memory; dread anxiety; academic achievement. Address: Dept. of Psychology, Washington University, St. Louis, Mo. 63130.
- TEMPLIN, PROF. MILDRED C. b.** Milwaukee, Wis, Oct. 30, 13. CHILD PSYCHOLOGY, SPEECH-PATHOLOGY. B.A., Wisconsin, 36; M.A., Minnesota, 36, Ph.D. (child psychol), 47; Columbia, 39-40. Asst. speech, Wisconsin, 36; speech clin. Purdue, 36-37, instr. 37-39; speech correction teacher, pub. sch, Wis, 40-43; asst. CHILD PSYCHOL. MINNESOTA, MINNEAPOLIS, 43-44, instr. 44-47, asst. prof. 47-51, assoc. prof. 51-58, PROF. 58- Consult, U.S. Off. Ed. res. 65-67; mem. speech, lang. & hearing cmt. & consult. Nat. Inst. Neurol. Diseases & Blindness res. proj. 63-70. Speech & Hearing Assn. (v. pres), 65. Soc. Res. Child Develop. (ed. Manag. Soc. Res. Child Develop. 64-70). Reasoning of deaf children; longitudinal development of articulation and relation to other factors; replication of studies over time. Publ: Certain language skills: their development and interrelationships, 67; Univ. Minn; co-auth. Templin-Darley tests of articulation, Univ. Iowa, 69; auth. Vocabulary patterns of the deaf child, Int. Audiol., 5: 349-354. Address: Institute of Child Development, University of Minnesota, Minneapolis, Minn. 55455.
- TERCHEK, DR. RONALD J(OHN).** Political Science. See L-Z Vol. 11th ed, Soc. & Behav. Vols. New position: Making the test about treaty, Nijhoff, The Hague, 69. Address: Dept. of Government & Politics, University of Maryland, College Park, Md. 20742.
- TERMAN, DR. MICHAEL.** b. New York, N.Y. Nov. 13, 43; m. 66. PSYCHOLOGY. A.B. Columbia Col, 64; Sc.M. Brown, 66; Ph.D. (psychol), 68. ASST. PSYCHOL. Northwestern, 68-69; NORTHEASTERN, 69- U.S. Pub. Health Serv. grants, 68-69. AAAS; Psychonomic Soc; Psychol. Asn. (young psychologist award, 69). Operant conditioning; stimulus control; comparative psychophysics; electrical brain stimulation; learning. Publ: Co-auth. Some temporal properties of intracranial self-stimulation, Physiol. & Behav. 2/70; auth. Discrimination of auditory intensities by rats, J. Exp. Anal. Behav. 3/70; co-auth. Circadian rhythm of brain self-stimulation behavior, Science, 6/70. Address: Dept. of Psychology, Northeastern University, Boston, Mass. 02115.
- TERRY, DR. EDWIN FRANKLIN.** Economics. See L-Z Vol. 11th ed, Soc. & Behav. Vols. New position & address: Assoc. prof, 69-, Dept. of Economics, Fresno State College, Fresno, Calif. 93726.
- TERRY, DR. ROGER LYON.** b. Danbury, Conn, Apr. 4, 40; m. 60; c. 1. SOCIAL PSYCHOLOGY. A.B. Yale, 62; M.S. Auburn, 64; Ph.D. (psychol), Missouri-Columbia, 66. New position: asst. psychol. Asn; Soc. Res. assoc. social psychol. Center Res. in Social Behav, Missouri, 66-68; ASST. PROF. PSYCHOL. HANOVER COL, 68- Survey research of the teacher role in English speaking countries; cross-cultural research; experimental research on cognitive organization and attitude change. Publ: Co-auth. Symposium on teacher role in four English speaking countries: data gathering, Comm. Ed. Rev. 2/70 & Anxiety induced by contact lenses and framed spectacles, J. Am. Optometric Assn, 3/70. Address: Dept. of Psychology, Hanover College, Hanover, Ind. 47243.
- TERRY, PROF. RICHARD A(LLAN).** Psychology. See L-Z Vol. 11th ed, Soc. & Behav. Vols. New position & address: Prof. & head, 60-, Dept. of Psychology, University of Tulsa, 600 S. College, Tulsa, Okla. 74104.
- TESSER, DR. ABRAHAM.** b. New York, N.Y. May 24, 41; m. 66; c. 1. SOCIAL PSYCHOLOGY. B.A. Long Island, 62; M.S. Purdue, 65, Ph.D. (psychol), 67. ASST. PROF. SOC. PSYCHOL. GEORGIA, 67. AAAS; Psychol. Asn. Interpersonal perception and attraction; attitude theory and change. Publ: Co-auth. Psychological testing through looking glass of youth, Am. Psychologist, 68; Some determinants of gratitude, J. Personality & Soc. Psychol., 68 & On reluctance to communicate undesirable information: the mum effect, Sociometry, 70. Address: Dept. of Psychology, University of Georgia, Athens, Ga. 30601.

TEYLER, DR. TIMOTHY J(AMES). Physiological Psychology. See Suppl. VI to 11th ed, Phys. & Biol. Vols.

THACH, DR. JOHN S, JR, b. San Diego, Calif., Sept. 22, 34; m. 54; c. 3. PSYCHOLOGY. A.B. George Washington, 57, M.A. 60; Nat. Inst. Ment. Health fel., Maryland, 60-63, Ph.D.(exp. & soc. psychol.), 66. Exp. & physiol. psychologists, Walter Army Inst. Res., 57-60; teaching asst., Maryland, 61-63; HEAD PSYCHOLOGIST, BR. NAVAL AEROSPACE MED. INST., 63-65. Res. assoc., Human Sci. Inst., Arlington, Va., 62. U.S.N.R., 52-60. A.A.S.: Psychol. Assn. Circadian periodicity; schedules of reinforcement; effects of isolation; behavioral and biological control systems; psychoneuroendocrinology. Publ. Co-auth. Quantitative relations between avoidance behavior and pituitary adrenal cortical activity in rhesus monkey, *J. Exp. Anal. Behav.*, 62 & Behavioral responses of unrestrained normal and labyrinthic mized squirrel monkeys to repeated zero-gravity parabolic flights, *Aerospace Med.*, 68; aut., Circadian periodicity and bigeminy patterning of three consummatory behaviors, In: *Circadian rhythms in nonhuman primates*, Karger, 69. Address: Psychophysiology Dept., Naval Aerospace Medical Institute, Bldg. 625B, Pensacola, Fla. 32512.

THADEN, PROF. J(OHN) F(REDERICK). Sociology. See 11th ed, Soc. & Behav. Vols., deceased 68.

THALBERG, DR. STANTON PHILIP, b. New Haven, Conn., Feb. 29, 32; m. 53; c. 3. EDUCATIONAL PSYCHOLOGY. B.A. Iowa, 57, M.A. 59, Ph.D.(ed.), 64. Instr., remedial reading clin., Iowa, 57-59, asst. prof. ed. & rhetoric, 61-65; ed. & psychol., Humboldt State Col., 59-61; ed. psychol., Washington (Seattle), 65-67; dir. regional reading center, Northshore Schs., 67-69; ASSOC. PROF. ED. PSYCHOL., WASHINGTON (SEATTLE), 69-70. Consult., W. Seattle Community Ment. Health Agency & Highline Community Ment. Health Agency, 69-70. Mem., W. Cnt. Early Child. Res. Assn., 69-70. U.S.A.F., 52-57. Psychol. Assn.; Ed. Res. Assn. Reading dysfunction; relationship between emotional distress and educational underachievement; community mental health in preventing asocial-antisocial or disruptive behavior. Publ. Co-auth. Comparison of two methods of teaching reading, In: *Twelfth yearbook, Nat. Reading Conf.*, 62; auth., Reading rate and immediate versus delayed recall, *J. Ed. Psychol.*, 12/67 & Psycho-educational therapy with dysfunctional rdrs., *Wash. State Res. Bull.*, 4/69. Address: Dept. of Educational Psychology, University of Washington, Seattle, Wash. 98105.

THARP, PROF. ROLAND GEORGE. Psychology. See L-Z Vol, 11th ed, Soc. & Behav. Vols. New position: Prof. psychol., Hawaii, 68- Address: 1634 Makiki Apt. 204, Honolulu, Hawaii 96822.

THAYER, PROF. CLARENCE R(ICHMOND). Psychology. See L-Z Vol, 11th ed, Soc. & Behav. Vols. New position & address: Teacher of psychol., acad. center, Cleveland State, 70- Address: c/o Euclid Senior High School, Cleveland, Ohio 44123.

THAYER, DR. JEROME DEAN, b. Minneapolis, Minn., Nov. 14, 39; m. 62; c. 1. PSYCHOLOGY, EDUCATION. B.S. Union Col., 61; M.A. Nebraska, 64; Ph.D. (ed. measurement & res.), Colo. State Col., 66. Teacher, Campton Acad., 62-65. ASST. PROF. ED. PSYCHOL., UNION COL.(NEBB), 66 & State Adv. Cn. College students attitudes and values. Publ. Co-auth. American college student values: preliminary reports of a nationwide survey, *Colo. J. Ed. Res.*, fall 68. Address: Dept. of Education & Psychology, Union College, Lincoln, Nebr. 68606.

THAYER, DR. NATHANIEL B(OWMAN). Political Science. See L-Z Vol, 11th ed, Soc. & Behav. Vols. New position & address: Consult., 69-, Cerro Corp., 300 Park Ave., New York, N.Y. 10022.

THEEN, DR. ROLF HEINZ WILHELM, b. Stadhagen, Germany, Feb. 20, 37; U.S. citizen; m. 59. POLITICAL SCIENCE. B.A. Manchester Col., 59; M.A., Indiana, Bloomington, 62, Ph.D.(polit. sci.), 64. Asst. prof. GOVT., IOWA STATE, 64-68, ASSOC. PROF., 68- Inter-Union Cmt. travel grant, 67-68; Am. Philos. Soc. fel., summer 65. Polit. Sci. Assn.; Adv. Slavic Studies; Acad. Polit. & Soc. Sci. Russian political thought, nineteenth century to present. Publ. Ed. & transl., *Valentinov, the early years of Lenin*, Univ. Michigan, 68; The political thought of P.N. Tkachev in the 1960's: from reform to revolution & The Russian Blanquists and the Hague Congress, *Can. Slavic Studies*, summer 69. Address: Dept. of Political Science, Iowa State University, Ames, Iowa 50010.

THEMO, DR. ELAINE MARIE, b. West Newton, Mass., Mar. 21, 38. SOCIOLOGY. B.A. Mt. Holyoke Col., 60; M.A., North Carolina, 62; Ph.D.(Latin Am. area studies), American Univ., 69. Res. asst., inst. comp. study polit. systs., *Ops. & Policy Res. Inc.*, D.C., 63; res. assoc. area studies, spec. ops. res. off., For. Areas Studies Div., 64-66; ASST. PROF. SOCIOLOGICAL WILLIAM & MARY, 66- Social Assn. Sociology of developing countries; stratification. Publ. Co-auth. Area handbook for Indonesia, 64. Area handbook for Malaysia and Singapore, 65. Area handbook for the Dominican Republic, 66. Govt. Printing Off. Address: Dept. of Sociology, College of William & Mary, Williamsburg, Va. 23185.

THEODORE, DR. ATHENA (RENTOUNIS). Sociology. See L-Z Vol, 11th ed, Soc. & Behav. Vols. New information: Also dir. community affairs proj., Simmons Col., 69- Address: 27 Turning Mill Rd., Lexington, Mass. 02173.

THEODORE, DR. EUSTACE D, b. Marietta, Ohio, Aug. 4, 41; m. 64; c. 1. SOCIOLOGY. B.A., Yale, 63; M.A., Cornell, 65, Owen Young fel., 66-67, Ph.D. (org. behav. sociol.), 67. ASST. PROF. SOCIOLOGICAL HOLLS COL., 68. CHMN. DEPT., 70- Indust. consult., 65- Problems of organization growth and change; relationship between task experience and individual orientation; individual and organization response to social change. Address: Dept. of Sociology, Hollins College, Va. 24020.

THEODORIDES, DR. ANGELOS. Economics, Statistics. See L-Z Vol, 11th ed, Soc. & Behav. Vols. New position: Econ. adv. Am. Consulate, Pakistan, U.S. Agency Int. Develop., 69- Address: Lahore (ID), Dept. of State, Washington, D.C. 20521.

THIERAUF, DR. ROBERT J, b. Covington, Ky., July 25, 33. OPERATIONS RESEARCH. B.S.B.A., Xavier (Ohio), 58, M.B.A., 60; Ph.D.(mgmt), Ohio State, 68. Pub. acts. Brynrd., Ross Bros. & Montgomery, 58-60, mgt. consult., 60-63; ASST. PROF. OPERS. RES. & DATA PROCESSING, XAVIER (OHIO), 65-, CHMN. DEPT. MGT. & INDUSTR. REIS., 68- U.S.A., 53-55. Inst. Cert. Pub. Act; Inst. Mgt. Sci.; Acad. Mgt.; Inst. Decision Sci. Operations research; electronic data processing; management; accounting. Publ. Decision making through operations research, 70 & Business data processing, (in prep.), Wiley. Address: Dept. of Management and Industrial Relations, Xavier University, Cincinnati, Ohio 45207.

THOENY, MAJ. ALAN ROBERT, U.S.A.F. b. Winona, Minn., Feb. 3, 35; m. 61; c. 3. POLITICAL SCIENCE. B.S., U.S. Naval Acad., 57; M.S. Wisconsin, 63, Ph.D.(polit. sci.), 68. U.S. AIR FORCE, 57-, instr. POLIT. SCI., U.S. AIR FORCE ACAD., 64-66, asst. prof., 66-68, ASSOC. PROF., 68- Polit. Sci. Assn.; Int. Studies Assn. International politics, especially impact of the press on foreign policy process; methodology, especially techniques of simulation and content analysis. Publ. International political news: a statement analysis, *Rocky Mt. Soc. Sci. J.*, 10/70. Address: Dept. of Political Science, U.S. Air Force Academy, Colorado Springs, Colo. 80840.

THOM, DR. DERRICK B., b. Walsend, Eng., Nov. 22, 37; U.S. citizen; m. 62; c. 2. GEOGRAPHY. B.A., Utah, 63, M.A., 65, Ph.D.(geog.), Mich. State, 70. ASST. PROF. GEOG., UTAH STATE, 60- Assn. Am. Geog.; African Studies Assn.; American Studies Assn. U.K. Political geography; population and settlement; Africa. Address: Dept. of Geography, Utah State University, Logan, Utah 84321.

THOMAS, DR. ROY EDWARD, b. Evansville, Ind., Mar. 11, 38; m. 67; c. 1. POLITICAL SCIENCE. B.A., Evansville, 60; scholar, & M.A., Indiana, 64; Ky. Res. Found. fel., Kentucky, 64-65, Haggin fel., 65-66, William Patterson fel., 66-67, univ. fel. & Ph.D.(diplomacy), 67. ASST. PROF. GOVT., WEST TEXAS STATE, 68- Mid. East. Inst.; Polit. Sci. Assn. Governments and politics in the Middle East and Africa; Soviet political system; communism and totalitarianism; international relations; comparative politics. Publ. *Aden and South Arabia*, *Current Hist.*, 1/70. Address: Box 725, Dept. of Government, West Texas State University, Canyon, Tex. 79015.

THOMAS, CHARLES LEO, b. St. Louis, Mo., Mar. 9, 40; m. 63; c. 1. EDUCATIONAL PSYCHOLOGY. B.A., Harris Teachers Col., 63; M.A., St. Louis, 66; Stripes fel., Hopkins, 66-68. Teacher elem. sch., Mo., 63-66; proj. prof. Proj. Mission, Baltimore, Md., 66-67; res. asst., 67-68. Hopkins, 67-68. Psychol., Howard, summer 68; PROJ. DIR. & LECTR., TEACHERS COL., COLUMBIA, 68- Lectr., Towson State Col., 67-68; summers, lectr., Inst. Music, 68, ed. psychol. intern., Am. Assn. Dent. Schs., 68; Ed. Res. Assn.; Nat. Coun. Measurement in Ed. Access to higher education for minority group youth; human learning, particularly early learning. Publ. Transition from school to college for disadvantaged youth: review of research on admission credentials and extensiveness of programmatic efforts, In: *Review of educational research*, AMS Press, 69; & Effectiveness of high school grades for predicting college grades of Negro students: an exploratory study, *J. Ed. Measurement*, winter 69. Address: Box 102, Teachers College, Columbia University, New York, N.Y. 10027.

THOMAS, DR. CLAUDEWELL S. Psychiatry. See L-Z Vol, 11th ed, Soc. & Behav. Vols. New position & address: Dir. ment. health serv. progs. div., 70-, National Institute of Mental Health, 5454 Wisconsin Ave., Chevy Chase, Md. 20015.

THOMAS, DR. DARWIN L, b. Genola, Utah, Dec. 12, 33; m. 59; c. 3. SOCIOLOGY. B.A., Brigham Young, 62, M.A., 64; Nat. Inst. Ment. Health fel., Minnesota, 65-68, Ph.D.(sociol.), 68. Instr. nursery sch. ed., Brigham Young, summer 62, family life ed., 64-65; Clara Elizabeth Fund for Maternal & Child Health, Flint, Mich., 62-63; ASST. PROF. SOCIOLOGICAL, WASHINGTON STATE, 68- Nat. Sci. Found. res. grant, 69-70. Nat. Coun. Family Rel.; Sociol. Assn. Effect of family interaction patterns on the behavioral characteristics of the children; problems of translation in cross-cultural studies of family behavior. Publ. Co-auth. Religion in 5-D: a critical note, 12/69 & Secularization: a cross-national study of Catholic male adolescents, 9/70, Soc. Forces. Address: Dept. of Sociology, Washington State University, Pullman, Wash. 99163.

THOMAS, DR. DAVID J, b. Grinnell, Iowa, Dec. 8, 34. POLITICAL SCIENCE. B.A., Oberlin Col., 56; London Sch. Econ., 56-57; fcls., Harvard, 57-60 & 61-62, Ph.D.(polit. sci.), 68. ASST. PROF. POLIT. CALIFORNIA, SANTA CRUZ, 66- Nat. Sci. Found. fel., 67-68. Polit. Sci. Assn. Modern political and social thought; comparative European politics. Publ. Ideology-death or transfiguration, *Harvard Rev.*, summer-fall 66. Address: Dept. of Politics, Stevenson College, University of California, Santa Cruz, Calif. 95060.

THOMAS, DR. GEORGE LLE, b. Jacksonville, Fla., July 5, 28. EXPERIMENTAL PSYCHOLOGY. B.A., Queens Col., 49; North Carolina, 49-50, M.S., Georgia, 65, Ph.D.(exp. psychol.), 67. Dean research, Salem Acad., N.C., 53-55; asst. prof. PSYCHOL., GEORGIA SOUTHERN, 67-70, ASSOC. PROF., 70- Vis. asst. prof., Georgia, summer 68. Psychol. Assn. Programmed instruction and other special teaching techniques; human learning; motivation. Publ. Programmed instruction for teaching anthropology in the fifth grade, *J. Exp. Ed.*, Vol. 36, No. 4. Address: Dept. of Psychology, Georgia Southern College, Statesboro, Ga. 30458.

THOMAS, DR. HOBEN, b. Oakland, Calif., May 3, 36; m. 58; c. 2. CHILD PSYCHOLOGY. B.A., California, Santa Barbara, 58; M.A., Pepperdine, 59; Ph.D.(exp. psychol.), Claremont Grad. Sch., 63. ASST. PROF. PSYCHOL., Fresno State Col., 63-66; PA. STATE, 66- Community ment. health consult., Calif., 64-66. Soc. Res. Child Develop.; Psychonomic Soc.; Psychol. Assn. Perceptual development; exploratory behavior and scaling models; child development; clinical psychology; intellectual development. Address: Dept. of Psychology, Pennsylvania State University, 513 Psychology Bldg., University Park, Pa. 16802.

THOMAS, DR. IAN BRYCE. Electrical Engineering, Psychoacoustics. See Suppl. VI to 11th ed, Phys. & Biol. Vols.

- THOMAS, DR. JOHN RUSSELL, b. Washington, D.C. June 16, 38; m. 60; c. 3. PSYCHOLOGY. B.A. Maryland, 60, U.S. Pub. Health Serv. fel, 61-63; M.A. 62, Ph.D. (exp. psychol.), 65. Res. assoc. psychopharmacol., Maryland, 62-64; psychol. Inst. Behav. Res., 64-67, prin. investr., 67-68; ASST. PROF. PSYCHIATRY, CHICAGO, 68- AAAS; Psychol. Asn. Experimental analysis of behavior; behavior theory; psychopharmacology. Publ: Differential effects to two phenothiazines on chain and tandem schedule performance, *J. Pharmacol. & Exp. Therapeut.*, 66; Fixed ratio punishment by time out of concurrent variable interval behavior, *J. Exp. Anal. Behav.*, 68; Behavioral maintenance by conditioned reinforcement in the signaled absence of primary reinforcement, In: *Conditioned reinforcement*, Dorsey, 69. Address: Dept. of Psychiatry, University of Chicago, Chicago, Ill. 60637.
- THOMAS, PROF. MORGAN D. Economic Geography. See L-Z Vol. 11th ed, Soc. & Behav. Vols. New information: Also assoc. dean, 69-. Graduate School, University of Washington, Seattle, Wash. 98105.
- THOMAS, PROF. RAYMOND D(OTY). Economics, Public Finance. See 11th ed, Soc. & Behav. Vols., deceased 68.
- THOMASON, DR. RICHMOND HUNT. Philosophy, Mathematics. See 5th ed, Dir. Am. Scholars, Vol. IV, Philos. Relig. & Law.
- THOMPSON, ALLEN B(RADFORD). Statistics. See L-Z Vol. 11th ed, Soc. & Behav. Vols. New information: Independent consult. actuary, 69-. Address: 9 Highwood Way, Larchmont, N.Y. 10538.
- THOMPSON, DAVID LEE, b. St. Paul, Minn., Nov. 29, 33; m. 56; c. 4. INDUSTRIAL RELATIONS. B.A. Minnesota, 57. Res. analyst, Minn. State Dept. Employ. Security, 60, superv. instr. unit, 60-61, leader automation proj., 61-63; employ. serv. ad., Bur. Employ. Security, U.S. Dept. Labor, 63-65, manpower develop. specialist, 65-66; labor economist, 66-67, spec. asst. work experience & training, 67-68, chief prog. design group, Bur. Work Training Progs., 68-69; LABOR ECONOMIST, NORTH STAR RES. & DEVELOP. INST., 69-. U.S.A., 54-56. Indust. Rel. Res. Asn.; Econ. Asn.; Personnel & Guid. Asn.; Nat. Voc. Guid. Asn.; Nat. Employ. Couns. Asn. Occupational information, particularly occupational forecasting, training needs and labor market surveys; evaluation design, techniques and instruments; program design and development of project models for employment and training programs. Address: North Star Research & Development Institute, 3100 38th Ave. S., Minneapolis, Minn. 55406.
- THOMPSON, DR. DONALD L. Marketing, Economics. See L-Z Vol. 11th ed, Soc. & Behav. Vols. New position & address: V-pres, 69-, Slippery Rock State College, Slippery Rock, Pa. 16057.
- THOMPSON, DR. EDWARD A(LBERT). b. Avon, Conn., Mar. 17, 39; m. 63; c. 1. SOCIAL PSYCHOLOGY. B.A. Denison, 61; M.A., Delaware, 63, Ph.D. (psychol.), 66. ASST. PROF. PSYCHOL., U.S. Air Force Acad., 66-68; SOUTH. CONN. STATE COL., 68-. Vis. prof., Colorado, 67-68. U.S.A.F., 65-68, Capt. Psychol. Asn. Social psychology; small group research; personality; person perception; self concept; interpersonal attraction. Address: Dept. of Psychology, Southern Connecticut State College, New Haven, Conn. 06515.
- THOMPSON, DR. GERALD E(VERETT). Economics. See L-Z Vol. 11th ed, Soc. & Behav. Vols. New position: Prof., Dept. of Economics, University of Nebraska, Lincoln, Neb. 68502.
- THOMPSON, PROF. JOHN ELTON, b. Hetland, S.Dak., Nov. 18, 23; m. 49; c. 3. ECONOMICS. B.S. South Dakota, 50; M.S. S.Dak. State Col., 55; Ph.D. (agr. econ), Wisconsin, 60. Asst. prof. econ., S.DAK. STATE, 53-59, consult. S.Dak. Citizens Tax Cmt, State Capital, 59, assoc. prof. ECON. unit, 60, exten. economist, 60-66, PROF. & HEAD DEPT., 67-. U.S.A.A.F., 45-46. Agr. Econ. Asn.; Int. Asn. Agr. Econ. Public finance; public affairs; agricultural policy; economic development; business management; rural-urban balance; environmental control; recreational development. Publ: Some considerations for a South Dakota state income tax, *Agr. Exp. Sta. S.Dak. State Col.*, 59; Meeting unfilled public service needs in rural areas, *J. Farm Econ.*, 63; An analysis of economic trends in the agricultural sector of the economy, *Cmt. Continuing Ed. Town & Country Pastors*, 11/64. Address: 1437 Wisconsin St., Brookings, S.Dak. 57006.
- THOMPSON, DR. JOHN H. Psychology. See L-Z Vol. 11th ed, Soc. & Behav. Vols. New position: Res. partner, Rohrer, Hibler & Replogle, 69-. Address: 3465 77th Ave. S.E., Mercer Island, Wash. 98040.
- THOMPSON, PROF. JOHN THOMAS, b. Memphis, Tenn., Jan. 22, 25; m. 47; c. 2. POLITICAL SCIENCE. LAW. B.S. Miami (Ohio), 48; LL.B., Memphis, 53; M.S., Colorado, 55; Ph.D. (polit. sci.), Texas, 60. Instr. govt. Tennessee, 53-56; res. assoc. inst. pub. affairs Texas, 56-61; assoc. prof. polit. sci., Wyoming, 61-67; PROF. GOVT. & DIR. CENTER COMMUNITY SERV., NORTH TEXAS STATE, 67-. Lawyer, City Attorney's Off., Memphis, 53-56; exec. reservist, Nat. Defense Exec. Prog., 66-. U.S.N., 43-46. Polit. Sci. Asn.; Soc. Pub. Admin. Publ: Public administration of water resources in Texas, Univ. Texas, 60; Municipal finance in Wyoming, Univ. Wyoming, 65; Problems of Texas constitutional revision: review of 1967-68 attempt, In: *Governing Texas: documents and readings*, 69. Address: 3211 Darby Lane, Denton, Tex. 76201.
- THOMPSON, DR. JOSEPH VICTOR, b. Winnipeg, Man., June 9, 25; m. 54; c. 3. SOCIOLOGY. B.A. Manitoba, 50; B.S.W., 53; M.S.W. Washington (Seattle), 67; D.S.W. Southern California, 70. Soc. worker, Winnipeg Juvenile & Family Court, 51-53; Children's Aid Soc. West Man., 53-55; King County Youth Serv. Center, 55-58; asst. superv. Bremerton Child Guid. Center, 58-61, superv. 61-63; asst. prof. soc. work, Washington (Seattle), 63-67; ASSOC. PROF. SOCIOL., WASHINGTON STATE, 69-. Group worker, Seattle Atlantic St. Center, 55-57. Med. soc. work consult. Edgelghill Tuberc. Sanitarium, 44-67; soc. work consult. Whitman County Ment. Health Center, 69-; R.C.N., 44-45. Nat. Asn. Soc. Workers; Coun. Soc. Work Ed. Professional practice in social work and its relationship to the practitioner model presented by a professional school; therapeutic intervention in families with problems of social functioning. Address: Dept. of Sociology, Washington State University, Pullman, Wash. 99163.
- THOMPSON, DR. KENNETH H. b. Sidney, Nebr., June 23, 37; m. 62. POLITICAL SCIENCE & SOCIOLOGY. B.A. St. John's Col. (Md.), 60; Woodrow Wilson fel., Wisconsin, Madison, 61, M.A., 65, univ. fel. & Villas travel grant, 66. Ph.D. (polit. sci.), 67. ASST. PROF. POLIT. SCI., SOUTHERN CALIFORNIA, 67-. Ford Found. faculty res. fel., Canyon Crest Res. Inst., 69-70. Mem. cmt. comp. polit. behav. data arch., Inter-Univ. Consortium Polit. Res., 69-. U.S.A., 61; Nat. Guard, 61-66. Polit. Sci. Asn.; Int. Polit. Sci. Asn.; Sociol. Asn. Comparative political behavior; social science methodology; determinants of mass political behavior; survey research; public opinion and voting behavior. Publ: A cross-national analysis of social mobility and political orientation, *Comp. Polit. Studies*, 10/70; Effect parameter analysis of cross-national voting behavior, *Sage Prtnl. Papers Comp. Polit.*, 70 & Upward social mobility and politics: a re-evaluation of the evidence, *Am. Sociol. Rev.*, 70. Address: Canyon Crest Research Institute, P.O. Box 749, Big Bear Lake, Calif. 92315.
- THOMPSON, DEAN KENNETH HERMAN. Education, Psychology. See L-Z Vol. 11th ed, Soc. & Behav. Vols. New information: Also dean instr., 69-, Berea College, Berea, Ky. 40403.
- THOMPSON, DR. MARK ELLIOTT, b. Oakland, Calif., June 17, 39; m. 68; c. 1. INDUSTRIAL RELATIONS, ECONOMICS. B.A. Notre Dame, 61; M.S., Cornell, 63, Ph.D. (indust. rels.), 66. Asst. prof. indust. rels., McMaster, 68-69; PROG. ANALYST SOC. INSTS. DEVELOP. INT. LABOUR OFF., 69-. U.S.A.R., 66-68, Capt. Indust. Rel. Res. Asn. Comparative labor relations; labor history and relations in Latin America, especially Mexico; collective bargaining and labor dispute settlement in the United States. Publ: Co-auth. Multiplant units: the NLRB's withdrawal of free choice, *Indust. Rel. Rev.*, 4/66; auth. Collective bargaining in the Mexican electrical industry, *Brit. J. Indust. Rel.*, 3/70. Address: Case Postale 5000, CH-1211, Geneva, Switz.
- THOMPSON, DR. PATRICIA G. b. Athens, Tenn., Jan. 16, 41; m. 62. SOCIOLOGY. B.S. Fla. State, 61; M.S., Wisconsin, 65, Nat. Insts. Health fel., 65-67, Ph.D. (sociol.), 70. Lectr. SOCIOL., California, Los Angeles, 67-69; ASST. PROF. SCRIPPS COL., 69-. Sociol. Asn. Social stratification and mobility; social structures and socialization, especially learning in family and educational structures; role adjustment; social psychology; comparative sociology. Address: Dept. of Sociology, Scripps College, Claremont, Calif. 91711.
- THOMPSON, PAUL O. Psychocoustics, Bioacoustics. See Suppl. VI to 11th ed, Phys. & Biol. Vols.
- THOMPSON, DR. ROBERT L(OUIS). Psychology. See L-Z Vol. 11th ed, Soc. & Behav. Vols. New information: Head biopsychol. prog., Hunter College, 695 Park Ave., New York, N.Y. 10021.
- THOMPSON, PROF. RUSSELL GLENWOOD. Economics, Mathematics. See L-Z Vol. 11th ed, Soc. & Behav. Vols. New position: Prof., 69-, Institute of Statistics, Texas A&M University, College Station, Tex. 77843.
- THOMPSON, DR. THOMAS F. b. Worcester, Mass., Sept. 13, 16; m. 49; c. 4. POLITICAL SCIENCE. A.B. Concord Col., 49; A.M. Indiana, 51, Ph.D. (govt. & econ), 60. Placement officer, personnel dept., U.S. Dept. Navy, Wash. D.C., 49-53; instr. govt. Indiana, 56-60; asst. prof. polit. sci., Wisconsin, 60-62; Western Michigan, 62-64; assoc. prof. South Florida, 64-66; TEACHER GOVT. SOCIOL. & ED. ST. PETERSBURG JR. COL., 66-. Asst. & acting dir. inst. training pub. serv. Indiana, 53-55; dir. inst. pub. affairs, Western Michigan, 63-64. Consult. cities of Lake County, Ind., 56-60. Mem. Midwest urban govt. surv. Ford Found., 56-. Kalamazoo County Planning Cmn., 66; charter comm. Belleair Beach, Fla., 67. U.S.A.A.F., 42-45, S/Sgt. Polit. Sci. Asn.; Soc. Pub. Admin. Urban studies; public administration; regulation of business; normative political theory; sociology of education. Publ: Study guide for American government, Holt, 68. Address: 469 N. Harbor Dr., Indian Rocks Beach, Fla. 33555.
- THOMPSON, PROF. TRAVIS I. Psychology. See L-Z Vol. 11th ed, Soc. & Behav. Vols. New position: Prof., 69-, Psychiatry Research Unit, University of Minnesota, Box 932 Mayo, Minneapolis, Minn. 55455.
- THOMPSON, PROF. WAYNE NOEL, Speech, Rhet. See 5th ed, Dir. Am. Scholars, Vol. II, Eng. Speech & Drama. Correction to publications: Auth. Fundamentals of communication, McGraw, 57; Quantitative research in public address and communication, Random, 67.
- THOMPSON, DR. WENDEL L(AWRENCE). Speech, Psychology. See 5th ed, Dir. Am. Scholars, Vol. II, Eng. Speech & Drama.
- THOMPSON, DR. WILLARD SCOTT. International Relations. See L-Z Vol. 11th ed, Soc. & Behav. Vols. New position: Assoc. prof., 69-, Fletcher School of Law & Diplomacy, Medford, Mass. 02155.
- THOMPSON, PROF. WILLIAM H. Economics. See L-Z Vol. 11th ed, Soc. & Behav. Vols. New information: Also chmn., 68-, Industrial Administration Dept., Iowa State University, 300 Carver Hall, Ames, Iowa 50010.
- THOMPSON, DR. CHARLES A(LEXANDER) H(OLMES). Political Economy. See L-Z Vol. 11th ed, Soc. & Behav. Vols. New position & address: Chmn., Res. coun. 69-, Research Analysis Corp., Westgate Research Park, McLean, Va. 22101.
- THOMPSON, DR. DALE C(AIRNS). Political Science. See L-Z Vol. 11th ed, Soc. & Behav. Vols. New position & address: Dir. Center Can. Studies, School of Advanced International Studies, 1740 Massachusetts Ave. N.W., Washington, D.C. 20036.
- THOMPSON, PROF. ROBERT BRUCE, b. Providence, R.I., July 28, 12; m. 44. POLITICAL SCIENCE. A.B. Harvard, 32, LL.B., 36; London Sch. Econ. 32-

- 33; Columbia, 50-53. Instr. govt. MAINE, 47-50, asst. prof., 53-60, assoc. prof., 60-68, PROF. POLIT. SCI., 68- U.S.A.A.F. 42-46, T/Sgt. Polit. Sci. Asn. Political theory; history of political philosophy; public law. Address: 15 Stevens N, University of Maine, Orono, Maine 04473.
- THORESON, DR. RICHARD WALLACE. Psychology, Counseling. See L-Z Vol. 11th ed, Soc. & Behav. Vols. New position: Prof. ed, Missouri, Columbia, 69-. Address: 611 Westridge, Columbia, Mo. 65201.
- THORNE, DR. B. MICHAEL, b. Shreveport, La. Sept. 7, 1926. 64. PSYCHOLOGY. B.A., La. State, 64, M.A., 67, N.A.S.A. fel., 67-69, Ph.D. (psychol.), 69. ASST. PROF. PSYCHOL., La. State, Baton Rouge, 69-70; MISS. STATE, 70- AAAS. Physiological and comparative psychology; brain lesions and animal behavior. Publ.: Co-auth. Single animal observation versus pair observation in Macaca irus, *J. Genetic Psychol.* 69; and Position reversal learning as affected by occipital, posterior thalamic, and rubral lesions in the white rat, *Psychonomic Sci.* 70; auth. Visual discrimination performance in rats following nucleus posterior thalami and di-mesencephalic juncture damage, *J. Comp. & Physiol. Psychol.* 70. Address: Dept. of Psychology, Mississippi State University, State College, Miss. 39762.
- THORNE, CHARLES, b. Fairbury, Ill., Aug. 13, 05; m. 28; c. 2. SOCIOLOGY, RELIGION. S.B. Chicago, 25; B.D. Yale, 28; Columbia, N.Y. Univ., Minnesota, Michigan, Chicago, 54-68. Pastors, Presby. Churches, Mid-West, 28-49; minister church exten, new church orgn, Presbytery St. Paul, 49-54; res. assoc. bd. miss. Unions, United Presby. Church, 54-64; DIR. RES. DEPT. CHURCH PLANNING & RES. COUN. CHURCHES, CITY OF NEW YORK, 64. Mem. spec. cmn. study inner city, Presby. Church, 54-56. Assoc. Social. Asn. Church planning and research, the application of the methodology and findings of the social sciences to the evaluation of church institutions, and their adjustment to anticipated social change. Publ.: Overview of Presbyterianism in Allegheny County, Pennsylvania, 4 Vols. Bd. Nat. Missions, United Presby. Church, 64; The use of counselling to secure crisis change, 65 & co-auth. Church planning for ministry and mission to Queens, N.Y.C., 69. Coun. Churches of City of New York. Address: 70 La Salle St, Apt. 17-B, New York, N.Y. 10027.
- THORNE, DR. DENNIS EUGENE. Psychology. See L-Z Vol. 11th ed, Soc. & Behav. Vols. New position: Assoc. prof., 70-, Dept. of Psychology, Brigham Young University, Provo, Utah 84601.
- THORNER, ROBERT M. Biostatistics, Public Health. See Suppl. VI to 11th ed, Phys. & Biol. Vols.
- THORNTON, DR. GEORGE C. III, b. Dayton, Ohio, Feb. 2, 40; m. 66; c. 2. INDUSTRIAL PSYCHOLOGY. A.B. DePaul, 62; M.S. Purdue, 64 & 66, Ph.D. (indust. psychol.), 66. ASSOC. PROF. INDUST. PSYCHOL., COLORADO STATE, 66- Mgt. develop. advt, Fitzsimons Army Hosp, 69- Summers, field assessment officer, Red Cross, 67 & 68. Psychol. Asn. Personnel appraisal; personnel selection and training; leadership styles; organizational climate; psychometrics. Publ.: Exercises in psychological testing, Harper, 68; The relationship between supervisory and self-appraisals of executive performance, *Personnel Psychol.* 68; The image of industrial psychologists among personnel administrators, *J. Appl. Psychol.* 69. Address: Dept. of Psychology, Colorado State University, Ft. Collins, Colo. 80521.
- THORNTON, DR. JACK EDWARDS. Business Administration. See L-Z Vol. 11th ed, Soc. & Behav. Vols. New position & address: Assoc. prof., 69-, Virginia Commonwealth University, 820 W. Franklin St, Richmond, Va. 23220.
- THORNTON, DR. JACK WELLAND, JR. b. Portland, Ore., May 14, 33; m. 67. ECONOMICS. B.A., Blackburn Col., 60; summer, Am. Soc. Eng. Ed-NASA fel., 68; Ph.D. (agr. econ), Missouri-Columbia, 69. ASSOC. PROF. ECON., EAST CAROLINA, 65- Lectr. Chartered Property & Casualty Underwriters Econ. Seminar, 69-70. U.S.A.F. 53-57, S/Sgt. Econ. Asn. National economic development; quantitative economic analysis; resource use and development. Address: Dept. of Economics, Box 2767, East Carolina University, Greenville, N.C. 27834.
- THORNTON, DR. ROBERT LEE, b. Orville, Ohio, June 8, 17; m. 41; c. 4. INTERNATIONAL BUSINESS, MARKETING. B.S. Akron, 39; M.B.A. Michigan, 51, Ph.D., 69; Indust. Col. Armed Forces, 61-62. Res. assoc., Michigan, 65-67, res. princ. investr., bur. int. commerce, 68; ASST. PROF. MKT. FLA. STATE, 68- Lectr., Eastern Michigan, 68. Transportation consult., City of Flint, Mich., 67-68. U.S.A.F. 39-65, Col.(Ret). Mkt. Asn.; Asn. Ed. Int. Bus. Air line management, particularly multicompany and multinational organizations and regional, local, political and market problems. Publ.: Air line management and the innovative process, *Bur. Bus. Res. Univ. Mich.* 67 & International airlines and politics, a study in adaptation to changes, *Bur. Int. Commerce, Univ. Mich.* 70; Tourism, west from Europe, *Bus. Horizons*, 10/69. Address: School of Business, Florida State University, Tallahassee, Fla. 32306.
- THORNTON, DR. THOMAS PERRY, b. Pittsburgh, Pa., Mar. 4, 31; m. 53; c. 3. INTERNATIONAL AFFAIRS. A.B., Haverford Col., 50; Tubingen, 50-51; Ph.D., Hopkins, 53. Vis. lectr., German, Hopkins, 54-55; cultural affairs officer, U.S. Info. Agency, India, 55-58; analyst, U.S. Dept. Navy, 58-60; chief div. res. & anal. for South Asia, U.S. DEPT. STATE, 63-69. MEM. PLANNING & COORD. STAFF, 69- Vis. res. assoc., center int. studies, Princeton, 61-62; assoc. prof. lectr., George Washington, 64-67; prof. lectr., American Univ., 68- Wm. A. Jump Found. meritorious award for exemplary achievement pub. admin., 68. U.S.N., 53-55, Res. 55-, Comdr. Asian Studies; Modern Lang. Asn. Asn. Teachers German; Communist international relations; relationships among philosophy, theology and medieval German literature; Soviet policy towards the less developed countries. Publ.: Co-auth. *Groblanische tischzuchten*, Erich Schmidt, 57; Communism and revolution & auth. *Third world in Soviet perspective*, Princeton Univ. 64. Address: 5064 Sedwick St. N.W., Washington, D.C. 20016.
- THORPE, PRES. MARION D., b. Durham, N.C., Sept. 25, 32; m. 56; c. 2. PSYCHOLOGY, EDUCATION. B.A. & M.A., North Carolina Central, 58; Ph.D., Mich. State, 61. From asst. to assoc. prof. psychol. chmn. intern. cmt. psychol. & dean students, North Carolina Central, 61-65; nat. asst. dir. Neighborhood Youth Corps, U.S. Dept. Labor, 65-66, leader job develop. task force, 66; asst. dir. N.C. Bd. Higher Ed., 66-67; v-pres., Central State, 67-68; PRES., ELIZABETH CITY STATE, 68-69. Assoc. Inc. U.S. Off. Econ. Opportunity & dyslexia & related reading probs., U.S. Off. Ed., 68-69. U.S.A.F. 52-56. Psychol. Asn. Factor analyses of academic achievement motivation. Publ.: Factors accounting for intercorrelation in an inventory of academic motivation, Am. Personnel & Guid. Asn., 62 & De-segregation of North Carolina colleges and universities, fall, 1968, N.C. Bd. Higher Ed. 67; The state's program for Negro colleges, *South. Ed. Report*, 67. Address: Elizabeth City State University, Elizabeth City, N.C. 27909.
- THRUSH, DR. RANDOLPH STERLING, b. Columbus, Ohio, Jan. 24, 31; m. 53; c. 2. PSYCHOLOGY. B.S., Otterbein Col., 51; M.A., Bowling Green State, 52; Ph.D. (psychol.), Ohio State, 58. Lectr. psychol. & res. assoc. eng., Ohio State, 58-61; from asst. to assoc. prof. psychol. & asst. dir. counseling & testing serv., Missouri, 61-65; assoc. prof. psychol. & head dept., Va. Polytech, 65-67; ASSOC. PROF. COUNSELING & GUID., & DIR., COUNSELING CENTER, WISCONSIN, MADISON, 67- S. training consult., Vet. Admin., 61-65; voc. expert, bur. hearings & appeals, Soc. Security Admin., 65- Med.Serv.C. U.S.A., 52-54. AAAS; Psychol. Asn.; Personnel & Guid. Asn. (res. award, 59). Counseling psychology. Publ.: Author approx. 100 articles and papers. Address: University of Wisconsin, 415 W. Gilman St, Madison, Wis. 53706.
- THUNBERG, DR. PENNELOPE H. b. Stoneham, Mass., June 17, 18; m. 46. ECONOMICS. B.A., Brown, 40, hon. LL.D., 66; M.A., Radcliffe Col., 42, Ph.D. econ., 45. Instr. econ. Wellesley, 42-43; Mt. Holyoke Col., 43-44; asst. prof. Brown, 46-52; economist, Coun. Adv. D.C. 51-53, Coun. Econ. Adv., 54-65; CMNR, U.S. TARIFF CMN, 65- Fed. Woman's Award, 65. Am. Econ. Asn.; Can. Econ. Asn.; Econ. Hist. Asn. International economics; economic development; economics of controlled economies. Publ.: The balance of interregional payments of New England, 50 & Economic development and comparative advantage (features of market behavior), 65, Brown Univ.; Canadian balance of payments since 1868, Vol. XXIV, 'm: Status income and wealth, Nat. Bur. Econ. Res. 60. Address: U.S. Tariff Commission, Eighth and E Sts. N.W., Washington, D.C. 20436.
- THURMAN, DR. WILLIAM GENTRY. Pediatric Hematology, Oncology. See Suppl. V to 11th ed, Phys. & Biol. Vols.
- THURLOW, DR. LESTER CARL, b. Livingston, Mont., May 7, 38. ECONOMICS. B.A., Williams, 60, 60; Rhodes scholar, Oxford, 60-62, B.A., M.A., 62; Nat. 60, Harvard, 62-64, M.A. & Ph.D. (econ.), 64. Staff mgt. Coun. Econ. Adv., 64-65; asst. prof. ECON., Harvard, 65-68, ASSOC. PROF., MASS. INST. TECH., 68- David A. Wells prize, Harvard, 67-68. Econ. Asn.; Economet. Soc. Public finance; income distribution problems. Publ.: Poverty and discrimination, Brookings, 69; Disequilibrium and the marginal productivity of capital and labor, *Rev. Econ. & Statistics*, 6/68; A fiscal policy model of the U.S., *J. Current Bus.* 6/69. Address: ES2-252D, Massachusetts Institute of Technology, Cambridge, Mass. 02139.
- THURSBY, PROF. VINCENT V(CTOR). Political Science. See L-Z Vol. 11th ed, Soc. & Behav. Vols. New publ.: Co-auth. Contemporary political thought: Issues in scope, value and direction, *Holt*, 69. Address: Dept. of Government, Florida State University, Tallahassee, Fla. 32306.
- THWEATT, DR. ROGER CLAY. Psychology. See L-Z Vol. 11th ed, Soc. & Behav. Vols. New information: Prof., Northern Arizona, 67-, psychologist, Flagstaff Psychiat. clin. 67-, psychologist, Cocoon Community Guid. Clin. 67- Address: Dept. of Psychology, Northern Arizona University, Box 5774, Flagstaff, Ariz. 86001.
- TIEDEMAN, PROF. HERMAN R. b. Dexter, Minn., Dec. 3, 03; m. 32. PSYCHOLOGY. B.Ed., Winona State Col., 27; M.A. Iowa, 35, Ph.D. (psychol.), 41. Princ. elem. sch., Zumbro Falls, Minn., 27-28; high sch., Nordmore, Minn., 28-29; Sch. Dist. 1, Grand Rapids, Minn., 29-31, sch. psychologist & suvr., 31-40; instr. psychol., Wis. State, Eau Claire, 41-43; PROF. PSYCHOL. & DIR. TEST SERV., ILLINOIS STATE, 46- Consult. Selection of Cand. for Nurses Training, 50-59; elem. sch. & high sch. eval. progs., Ill. Schs., 50-5; test validation, Ill. Asn. Real Estate Bds, 67. U.S.N., 43-46, Lt. Psychol. Asn. Ed. Res. Asn.; Nat. Soc. Study Ed. Classification; placement; test construction and validity; learning and retention in learning; college entrance tests regarding various factors related to achievement, placement, drop-outs, student background, etc. Publ.: A study in retention of classroom learning, *J. Ed. Res.* 3/48; chap. In: *Growth, teaching and learning*, Harper, 57; *Arithmetic, knowledge and information test*, West. Psychol. Serv. 57. Address: Dept. of Psychology, Illinois State University, Normal, Ill. 61761.
- TIEN, DR. HSIN YUAN. Sociology. See L-Z Vol. 11th ed, Soc. & Behav. Vols. New position & address: Prof. sociol. & dir., 69-, Institute for Comparative Sociology, Ohio State University, 1775 S. College Rd, Columbus, Ohio 43210.
- TIFFANY, DR. DONALD W. b. St. Louis, Mo., May 24, 30; m. 61; c. 2. CLINICAL & SOCIAL PSYCHOLOGY. A.B., Drury Col., 53; M.A., Kansas, 57, Ph.D. (clin. psychol.), 65. Instr. psychol. & asst. to dept. chmn., Kansas, 62-63; res. asst. sch. syst., Oswego State Hosp, 64; clin. psychologist intern., Kansas City Ment. Health Found., 64-65; res. asst., Inst. Community Studies, 66-68, sr. res. assoc., 68-70, dir. rehab., 69-70, proj. dir., voc. rehab. admin. proj., 66-69; MEM. STAFF, HIGH PLAINS COMPREHENSIVE COMMUNITY MENT. HEALTH CENTER, 70- Clin. asst. prof., sch. med., Missouri, Kansas City, 66-69, summer, lectr., prof. univ., 68. Consult. Training Corp. Am. Mo., 68; work incentive prog. Univ. Missouri, Kansas City, 69, psychol. div. med. center, 69-70. Affiliate, Nat. Training Labs; mem. adv. cmt. Mo. Asn. Ment. Health Bd. U.S.A., 53-55. Psychol. Asn.; Personnel & Guid. Asn. Personality research; utilization of social science knowledge. Publ.: Co-auth. *The unemployed: a social psychological portrait*, Prentice-Hall, 70; auth. *Mental health: a function of experience*, *Am. J. Clin. Psychol.* 23: 311-315; co-auth. *A model of control*, *J. Gen. Psychol.* 69. Address: High Plains Comprehensive Community Mental Health Center, Hays, Kans. 67601.

- TIGER, DR. LIONEL.** Sociology. See L-Z Vol, 11th ed, Soc. & Behav. Vols. Change of address: Livingston College, Rutgers, The State University, New Brunswick, N.J. 08903.
- TILLEMA, DR. HERBERT K.** b. Washington, D.C. Apr. 23, 42; m. 66. POLITICAL SCIENCE. B.A., Hope Col, 64; Woodrow Wilson Found. fel. Harvard, 64-65; Nat. Sci. Found. fel. 65-66; Ph.D. (polit. sci.), 69. ASST. PROF. POLIT. SCI., HOUSTON, 68- Pol. Sci. Ass. Int. Studies Assn. Foreign policy; international politics; organization and decision-making theory. Address: Dept. of Political Science, University of Houston, Houston, Tex. 77004.
- TILLMAN, DR. ROLLIE, JR.** b. Lake Wales, Fla. Apr. 11, 33; m. 57; c. 3. BUSINESS ADMINISTRATION. B.S., North Carolina, 55; M.B.A., Harvard, 57, D.B.A., 62. Lectr. mkt. North Carolina, 57-58; res. asst., Harvard Bus. Sch., 58-59; asst. prof., NORTH CAROLINA, CHAPEL HILL, 60-63, assoc. prof., 63-68, PROF. MKT. & DIR. EXEC. PROG., 68- Ford Found. summer mkt. workshop, 64. Mkt. Assn. Consumer behavior; measurement of brand images. Publ. Co-auth, Promotion: persuasive communication, Irwin, 68; Bank marketing: text and cases, Addison-Wesley, 68; auth, Semantic differentiation measurement of consumer images to retail stores, South. J. Bus., 68. Address: Carroll Hall, University of North Carolina, Chapel Hill, N.C. 27514.
- TILLY, PROF. CHARLES.** Sociology. See L-Z Vol, 11th ed, Soc. & Behav. Vols. New position & address: Prof. sociol. & hist., 69-, University of Michigan, 3012 Literature, Science & Arts Bldg, Ann Arbor, Mich. 48104.
- TIMASHEFF, PROF. NICHOLAS.** Sociology. See 11th ed, Soc. & Behav. Vols. deceased 70.
- TIMBERS, DR. EDWIN.** Political Science. See L-Z Vol, 11th ed, Soc. & Behav. Vols. Change of address: George Washington University, Room 404, 2129 G St. N.W., Washington, D.C. 20006.
- TIMMONS, PROF. DAVID (BRIGHTON).** b. Salt Lake City, Utah, May 21, 30; m. 52; c. 4. ECONOMICS, GOVERNMENT. B.S., Utah, 54, M.S., 55; Ph.D. (polit. econ. govt), Harvard, 67. Head, res. div., Utah State Dept. Pub. Welfare, 54-55; vice consul., U.S. Dept. State, Manchester, Eng., 55-58, Reykjavik, Iceland, 58-60, economist, Bur. European Regional Affairs, D.C., 60-62, asst. econ. adv., U.S. Mission to Orgn. Econ. Cooperation & Develop. Paris, France, 63-65, dep. econ. adv., U.S. Mission to NATO, 65, spec. adv. to U.S. Ambassador & exec. sec., 65-66, chief econ. & finance sec., U.S. Embassy, Madrid, Spain, 67-68; PROF. ECON. & CHMN. DEPT., WEBER STATE COL., 68- Econ. Assn. International economic relations; institutions of economic cooperation; European economic cooperation. Publ. Charles Kingsley and the origins of Christian socialism; Univ. Utah, spring 54; Fair hearings in public assistance, Pub. Assistance Utah, Salt Lake City, 1/55. Address: 167 L St., Salt Lake City, Utah 84103.
- TINDALL, PROF. GEORGE B (ROWN).** History. See 5th ed, Dir. Am. Scholars, Vol. I, Hist.
- TINKER, PROF. IRENE (WALKER).** b. Milwaukee, Wis. Mar. 8, 27; m. 52; c. 3. POLITICAL SCIENCE. A.B., Radcliffe Col, 49; Ph.D. (contemporary polit. theory), London, 54. Res. assoc., Mod. India Proj., California, Berkeley, 54-57; Ford Found. & Am. Assn. Univ. Women fel., Indonesia, 57-59; asst. prof. govt. Howard, 61-67; assoc. prof. & asst. prof., FED. CITY COL., 67-69, PROF. POLIT. SCI., 69- Am. Inst. Indian Studies fel. & Howard Univ. grant, 64-65; lectr. sch. adv. int. studies, Hopkins, 66-67; sr. res. assoc., center policy res., Columbia, 69- Consult. Res. Anal. Corp, 67; Carnegie Cmn. Higher Ed., 70; Bur. Soc. Sci. Res., 70- Polit. Sci. Assn.; Asia Soc. Problems of political development in India and Indonesia, especially representative institutions both central and local; education as a vehicle for changing attitudes and political participation; United States and abroad. Publ. Co-auth, Leadership and political institutions in India, Princeton, 59; auth, Nationalism in a plural society: the case of the American South, West. Polit. Quart., 3/66 & American college's response to the underprepared student, Center Policy Res., 69. Address: 4818 Drummond Ave., Chevy Chase, Md. 20015.
- TINSLEY, DR. WILLIAM ALLAN.** b. Springfield, Ill., Jan. 2, 33; m. 58; c. 2. AGRICULTURAL ECONOMICS. B.S., Illinois, 56, fel. 59-60, M.S., 60; Ph.D., Minnesota, 63. Mgr., L.W. Cook Farm, 56-58; res. asst. AGR. ECON., Minnesota, 60-63; asst. prof., MICH. STATE, 63-68, ASSOC. PROF., 68-69, 56-67. Agr. Econ. Assn.; Assn. Comput. Mach. Computer applications to economic problems in agriculture. Address: Dept. of Agricultural Economics, Michigan State University, East Lansing, Mich. 48823.
- TRYAKIAN, PROF. EDWARD (ASHOD).** Sociology. See L-Z Vol, 11th ed, Soc. & Behav. Vols. New information: Also chmn., 69-, Dept. of Sociology & Anthropology, Duke University, Durham, N.C. 27706.
- TITLEY, DR. ROBERT W (ESLEY).** b. Denver, Colo. Oct. 30, 31; m. 58. PSYCHOLOGY. B.A., Colorado, 57, M.A., 60. Voc. Rehab. admin. fel., Ph.D. (psychol.), 65. ASST. PROF. PSYCHOL., COLORADO STATE, 65-69, ASSOC. PROF., 69- Consult. Intercultural community rels. bd., Colo. State Dept. Ed., 69- Psychol. Assn. Somatopsychology, especially the psycho-social situation of physically atypical persons and how other normal individuals perceive and behave toward them. Publ. Imaginations about the disabled, Soc. Sci. & Med., 69; co-auth. Expression of aggression toward the physically handicapped, Perceptual & Motor Skills, 69. Address: Dept. of Psychology, Colorado State University, Ft. Collins, Colo. 80521.
- TITUS, PROF. JAMES EMERSON.** Political Science. See L-Z Vol, 11th ed, Soc. & Behav. Vols. New position: Prof. 69-, Dept. of Political Science, University of Kansas, Lawrence, Kans. 66044.
- TOBIENSON, DR. JON E (MANUEL).** b. Berwyn, Pa. May 21, 37; m. 60; c. 3. PSYCHOLOGY. B.A., Ohio Wesleyan, 59; M.S., Pa. State, 61, D.Ed., 64. Res. psychologist, SCHENECTADY COUNTY CHILD GUID. CENTER, Inc., 64-67, STAFF PSYCHOLOGIST, 67- Consult. psychologist, Schenectady Head Start Day Care, 68-69; clin. dir., Oak Hill Sch., 70- Psychol. Assn.; Soc. Res. Child Develop. Early identification of learning and behavior disorders; effects of mental health consultation with teachers; effects of amphetamines on hyperactive children; diagnosis and remediation of learning disabilities. Publ. Co-auth, The development of kindergarten behavior rating scales for the prediction of learning and behavior disorders, 67 & A role for the school in the pharmacological treatment of hyperkinetic children, 68, Psychol. in Schs., & A comparison of individual and group mental health consultation with teachers, Community Ment. Health, 71. Address: Schenectady County Child Guidance Center, 821 Union St., Schenectady, N.Y. 12308.
- TOCH, PROF. HANS (HERBERT).** Social & Experimental Psychology. See L-Z Vol, 11th ed, Soc. & Behav. Vols. New position & address: Prof. psychol., 68-, School of Criminal Justice, State University of New York at Albany, 2291 Ontario, Albany, N.Y. 12203.
- TODD, DR. EVELYN M.** Linguistics, Anthropology. See Suppl. I to 5th ed, Dir. Am. Scholars.
- TODD, DR. FOWLER I.** b. Woodbury, Tenn. Dec. 14, 17; m. 40; c. 2. MANAGEMENT, MARKETING. B.S., Murray State Col, 40; M.A., George Peabody Col, 56; summers, Tennessee, 58 & 59; Ph.D. (bus), Illinois, 55. Teacher, high schs., Tenn., 40-46; specialist, Vet. Adm., 46-48; self-employed, 48-54; prin., elem. sch., Tenn., 54-55; teacher, high schs., 55-57; from instr. to assoc. prof. bus., Middle Tenn. State, 58-64; chmn. dept., Miss. State Col. Women, 64-65; CHMN. DEPT. BUS. ADMIN., MIDDLE TENN. STATE, 65- Instr. W.Va. Inst. Tech., 50; U.S. Govt. grant, summer 66. Mgt. consult., 66- U.S.N., 42-45, Lt.(sgt). Mkt. Assn. Behavioral science area of research in management and marketing. Publ. History of department of business administration at Middle Tennessee State University, Daily News J. & Sidelines, 69. Address: Dept. of Business Administration, Box 75, Middle Tennessee State University, Murfreesboro, Tenn. 37130.
- TODD, DR. KAREN PRITCHETT.** b. Bosque Co., Tex. Dec. 21, 36; m. 57; 69; c. 1. EDUCATIONAL PSYCHOLOGY. B.S., North Texas State, 57, M.S., 61; Fla. State, 62; Ph.D. (psychol.), Iowa, 65. Teacher, jr. high sch., N.Mex., 57-58; elem. sch., Tex., 58-59; asst. nursery sch., North Texas State, 60-61, asst. prof. psychol., 64-65; res. asst., family life res., Fla. State, 62; preventive psychiatry, Iowa, 62-64; human behav. Ed. Res. Coun. Am., 65-67, asst. dir., psychol. dept., 67-68, ASST. PROF. ED., CLEVELAND STATE, 68- Consult. Ed. Res. Coun. Am. & several sch. sys., 69- Flexible Learning Sys., 69-70. Ed. Res. Assn.; Psychol. Assn.; Nat. Soc. Study Ed. Mental health in education; child development; teacher education; learning in classroom. Publ. Co-auth, Giving emphasis to guided learning, 66 & Learning about behavior, 68, Ed. Res. Coun. Am.; Piaget and the role of guided experiences, Perceptual & Motor Skills, 64. Address: 2402 Woodmere Dr., Cleveland Heights, Ohio 44106.
- TODOROVIC, DR. RADMILO ANTONIJE.** Microbiology. See Suppl. VI to 11th ed, Phys. & Biol. Vols.
- TOISTER, DR. RICHARD PETER.** b. New York, N.Y., July 18, 38; m. 61; c. 2. PSYCHOLOGY. B.S.E., Florida, 61; M.S., Miami (Fla.), 63, Ph.D. (psychol.), 67. Instr. dept. pediat., MIAMI (FLA.), 67-68, ADJ. ASST. PROF. PSYCHOL., DEPT. PSYCHOL. & ASST. PROF. PSYCHOL. & PEDIAT., CHILD DEVELOP. CENTER & DEPT. PEDIAT., 68- Fla. Assn. Retarded Children res. award, 69. Mem. State Adv. Coun. Res. & Develop., Ed. Fla., 69-70. AAAS; Psychol. Assn.; Assn. Ment. Deficiency. Social and language development; parent-child interaction in the pre-school age range. Publ. Co-auth, Transition behavior in free operant discrimination reversals, J. Exp. Child Psychol., 6/69. Address: 10480 S.W. 96th Terr., Miami, Fla. 33156.
- TOLAN, SISTER PROVIDENCIA.** F.C.S.P. Sociology. See PROVIDENCIA (TOLAN), SISTER, F.C.S.P., this Suppl.
- TOLAND, PROF. WILLIAM G.** Philosophy. See 5th ed, Dir. Am. Scholars, Vol. IV, Philos. Relig. & Law.
- TOLCOTT, DR. MARTIN (ARNOLD).** Psychology. See L-Z Vol, 11th ed, Soc. & Behav. Vols. New position: Mgr. human factors dept., Serendipity, Inc., Arlington, 69- Address: 2214 Martha's Rd., Alexandria, Va. 22307.
- TOLIN, DR. PHILIP.** b. Boston, Mass. Jan. 15, 43; m. 66; c. 1. EXPERIMENTAL PSYCHOLOGY. B.S., Massachusetts, 64; M.A., Iowa, 66, Ph.D. (exp. psychol.), 67. Lectr. PSYCHOL., CENT. WASH. STATE COL., 67-68, ASST. PROF., 68- AAAS; Psychol. Assn. Investigation of perceived size-perceived distance relation with retinal disparity as the sole distance cue; auditory noise effects on visual monitoring and recognition. Publ. Co-auth, PR effects in mixed and unmixed lists, Psychonomic Sci., 67 & Effect of task complexity and stimulus duration on perceptual-motor performance of two disparate age groups, Ergonomics, 68; auth, Size-distance judgments with random letter stereograms, Perception & Psychophys, 69. Address: Dept. of Psychology, Central Washington State College, Ellensburg, Wash. 98926.
- TOLOR, DR. ALEXANDER.** Clinical Psychology. See L-Z Vol, 11th ed, Soc. & Behav. Vols. Correction: Res. prof. psychol., 65-, Institute for Human Development, Fairfield University, Fairfield, Conn. 06430.
- TOMARS, DR. ADOLPH S.** Sociology. See L-Z Vol, 11th ed, Soc. & Behav. Vols. Change of address: 788 Columbus Ave., New York, N.Y. 10025.
- TOMBRINK, DR. KEITH B (ENJAMIN).** Industrial Psychology, Statistics. See L-Z Vol, 11th ed, Soc. & Behav. Vols. Change of address: 12418 Greenmeadow Lane, Saratoga, Calif. 95070.
- TOMES, DR. HENRY.** b. San Antonio, Tex. Sept. 17, 32; m. 3; c. 3. CLINICAL PSYCHOLOGY. B.A., Fisk, 57; M.S., Pa. State, 60, Ph.D. (psychol.), 63. Intern PSYCHOL., Vet. Admin. Hosp., Pittsburgh, Pa., 60-61; asst. Pa. State, 61-62; Instr. MERRILL MED. COL., 63-66, asst. prof., 66-67, ASSOC. PROF., 67- Lectr., Fisk, 63-, participant, Children's Assn. United Spec. Ed. proj., 64-

65. Consult, State Voc. Sch. Girls, 67- U.S.A.F. 50-54, 5/Sgt. Psychol. Asn. Human learning; psychophysiologic and medical education. Address: Dept. of Psychiatry, Meharry Medical College, Nashville, Tenn. 37208.
- TOMLINSON, DR. JERRY R. Psychology. See L-Z Vol. 11th ed. Soc. & Behav. Vols. New position & address: Coordinator psychol. serv. 69-9. Minnesota Board of Education, School Administration Bldg, 807 N.E. Broadway, Minneapolis, Minn. 55413.
- TOMLINSON, PROF. JOHN U(LYSES), JR. Political Science. See L-Z Vol. 11th ed. Soc. & Behav. Vols. New information: Also chm., 70-, Division of Social & Behavioral Sciences, Ft. Hays Kansas State College, Hays, Kans. 67601.
- TOMMERAASEN, DR. MILES. Business Administration. See L-Z Vol. 11th ed. Soc. & Behav. Vols. New information: Dir. bus. & finance, 69-, University of Nebraska, Lincoln, Neb. 68508.
- TONTZ, DR. JAY LOGAN, b. Baltimore, Md, July 20, 38. ECONOMICS. B.A. Denison, 60; M.S. Cornell, 62; Ph.D. (labor econ), North Carolina, Chapel Hill, 66. Instr. ECON, U.S. Air Force Acad, 66-68, ASST. PROF. 68-69; CALIF. STATE COL. HAYWARD, 69- U.S.A.F. 66-69, Capt. Labor econ; economics; the market for college teachers; macroeconomic theory; monetary theory. Publ: Co-auth. The present shortage of college teachers, Phi Delta Kappan, 4/68. Address: Dept. of Economics, School of Business and Economics, California State College at Hayward, Hayward, Calif. 94542.
- TONTZ, DR. ROBERT L(EE). Agricultural Economics. See L-Z Vol. 11th ed. Soc. & Behav. Vols. New position: Head agr. mktg. dist. Agr. Econ. Coop. & Develop. Paris, France, 68- Address: American Embassy, Organization for Economic Cooperation & Development, APO New York 09777.
- TOOMEY, DR. WILLIAM C, b. Brooklyn, N.Y. Jan. 12, 17; m. 43; c. 1. SOCIOLOGY, CRIMINOLOGY. B.S. St. John's (N.Y.), 43; M.A., Seton Hall, 56; Ph.D. (sociol. of ed), N.Y. Univ., 67. Clerk, Brit. Air Cmn, N.Y., 42-44; personnel asst., West. Elec. Co., 44-47; Phelps Dodge Corp., N.Y., 52-54; teacher, Holy Trinity High Sch., 54-55; instr., Dwight Sch., N.Y., 55-56; prof. ST. JOSEPH'S COL. (PA), 56-60, asst. prof. 60-68, ASSOC. PROF. SOCIOL., 68-80. Criminol.; Sociol. Soc.; Correctional Asn. Child rearing and impact on school department; correctional and police recruiting and training; municipal methods of hiring police. Publ: Employment for the offender, Proc. Am. Correctional Soc., 9/62; Analysis of certain personnel problems in correctional industry, Am. J. Correction, 1/64; Training in corrections, East. Probnt. & Parole Quart. Pa., 1/64. Address: 1314 Fairview Ave, Havertown, Pa. 19063.
- TOPLIN, DR. ROBERT B. Latin American & United States History. See 5th ed. Dir. Am. Scholars, Addenda, Vol. I, Hist.
- TORDA, DR. FLORENCE, b. Houston, Tex. SOCIOLOGY. B.A. California, Los Angeles, 49; M.A., Chicago, 66, Ph.D. (sociol.), 68, ASST. PROF. SOCIOL., ILL. INST. TECH., 68- Sociol. Asn. Sociology of the family; heterosexual expectations of Negro and white adolescent girls; adult education and career orientations. Address: Dept. of Sociology, Illinois Institute of Technology, Chicago, Ill. 60616.
- TORGERSON, PROF. MALCOLM SCOTT. Economics. See L-Z Vol. 11th ed. Soc. & Behav. Vols. New information: Also chm., 70-, Dept. of Marketing, Finance & International Business, Western Illinois University, Macomb, Ill. 61455.
- TORGERSON, DR. RANDALL E, b. Ladysmith, Wis., Sept. 23, 39; m. 67. AGRICULTURAL ECONOMICS. B.S. Minnesota, 61; M.A., Univ. of Agr. Col. Norway, 65-66; M.S. Wisconsin, 67, Ph.D. (agr. econ), 68. Fel. AGR. ECON, MISSOURI, COLUMBIA, 67-68, ASST. PROF. 68- Agr. Econ. Asn.; Rural Sociol. Soc.; Int. Asn. Agr. Econ. Agricultural marketing; economic organization of agriculture; group action in agriculture; farm policy. Publ: Producer power at the bargaining table, Univ. Missouri, 70. Address: 1712 Cliff Dr., Columbia, Mo. 65201.
- TORRES, PROF. JOSE ARSENIO. Philosophy. See 5th ed. Dir. Am. Scholars, Vol. IV, Philos. Relig. & Law.
- TORRES, LORRAINE B(OVARD), b. Denver, Colo., Jan. 1, 27; m. 60. POLITICAL SCIENCE. B.A. Denver, 49, M.A., 51; George Washington, 56-58. Officer, U.S. Dept. State, 51-53 & 55-58; staff assoc., Am. Asn. Univ. Women, 58-63; prog. analyst, NAT. INST. MENT. HEALTH, 63-66, exec. secy. behav. sci. study sect. soc. sci. res. rev. cmt., 66-69, CHIEF SOC. SCI. SECT., BEHAV. SCI. RES. BR., 69- AAAS; Polit. Sci. Asn.; Sociol. Asn.; Anthropol. Asn.; Asian Studies. Soc. res. & social policy; Asian studies; law. Address: 2801 Quebec St. N.W., Washington, D.C. 20008.
- TORREY, PROF. JANE W(HEELWRIGHT). Psychology. See L-Z Vol. 11th ed. Soc. & Behav. Vols. New position: Prof. 69-, Dept. of Psychology, Connecticut College, Box 1542, New London, Conn. 06320.
- TOSI, DR. HENRY LOUIS, JR, b. Martins Ferry, Ohio, Nov. 11, 36; m. 58; c. 3. ORGANIZATION THEORY. B.Sc. Ohio State, 58, M.B.A., 62, Ph.D. (mgt), 64; Indust. rels. suprv. Libby, McNeill & Libby, 60-61; asst. instr. mgt. Ohio State, 64; asst. prof. bus. admin. Maryland, 64-67; ASSOC. PROF. MGT, MICH. STATE, 67- U.S.A. 58-60. Acad. Mgt. Management theory; personnel management. Publ: The effect of role consensus and expectations on the buyer-seller dyad, J. Bus., 66; A reexamination of some personality determinants of the effect of participation, Personnel Psychol., 70; co-auth. The effects of goal characteristics on the management by objectives process, Admin. Sci. Quart., 70. Address: Dept. of Management, Graduate School of Business Administration, Michigan State University, East Lansing, Mich. 48864.
- TOUGAS, DR. ROLLAND R(AYMOND), b. Edmonton, Alta., Oct. 6, 14. CLINICAL PSYCHOLOGY. B.A., Queen's (Ont), 46; M.A., Syracuse, 50, Ph.D. (psychol), 55. Asst. prof. psychol. Akron, 55-59; assoc. prof. clin. psychol. Utah, 59-64; hosp. improv. psychologist, Utah State Training Sch., 64-68; HEAD START PSYCHOLOGIST, SALT LAKE CITY SCH. BD, 66- R.C.A.F., 43-45. Psychol. Asn. Process of psychotherapy; cognitive development; the effect of social deprivation on children's development. Publ: Ethnocentrism and client-centered psychotherapy, In: Psychotherapy and personality change, Univ. Chicago, 53; Strategy of search: an aspect of cognitive development, Proc. Int. Cong. Psychol., 66. Address: 35 F St., Salt Lake City, Utah 84103.
- TOUGH, DR. ALLEN MACNEILL, b. Montreal, Que., Jan. 6, 36; m. 60; c. 2. ADULT EDUCATION. B.A. Toronto, 58, M.A., 62; Ph.D. (adult ed), Chicago, 65. Teacher, Thomson Collegiate Sch., 59-61; asst. prof. psychol. & sociol., COL. ED. TORONTO, 64-66, ASSOC. PROF. ADULT ED., 66-, ONT. INST. STUDIES IN ADULT ED., 66- Vis. prof., Rajasthan, 68. Consult, Nat. Film Bd, 65-66; consult. ed, Ed. 67-68. Mem. exec. cmt., Cmn. Profs. Adult Ed., 67-69; chmn. Nat. Seminar Adult Ed., Res. 68-69. Psychol. Asn.; Ed. Res. Asn. Intentional adult learning; self-directed non-credit learning; motivation and methods of learning; assistance for self-directed learners. Publ: Ed. Study abroad for adult educators, UNESCO, 64; auth. Learning without a teacher, 67 & Why adults learn, 68, Ont. Inst. Studies in Ed. Address: 195 Albertus Ave, Toronto 310, Ont., Can.
- TOULMIN, GEORGE B(OWERS). International Affairs. See L-Z Vol. 11th ed. Soc. & Behav. Vols. New position: Assoc. prof. pub. admin. grad. sch. pub. & int. affairs, Pittsburgh, 68- Address: 3247 N. Albermarle St., Arlington, Va. 22207.
- TOURNEY, DR. GARFIELD, b. Quincy, Ill., Feb. 6, 27; m. 50; c. 3. PSYCHIATRY. Quincy Col., 43-45; B.S., Illinois, 46, M.D., 48; M.S., Iowa, 52. Instr. PSYCHIAT, sch. med. Colorado, 52-53; sch. med. Miami (Fla.), 53-54, asst. prof., 54-55; sch. med. Wayne State, 55-59, assoc. prof., 59-65, PROF., 65-67; COL. MED. IOWA, 67- Dipl. Am. Bd. Psychiat. & Neurol., 55, exam, 60- U.S.N.R. 45; Nat. Guard, U.S.A.R. 48-61, Maj. Fel. Psychiat. Asn.; Int. Col. Psychiat. Clinical and collaborative research efforts on depressions, schizophrenia and psychotherapy; history of medicine and psychiatry. Publ: Co-auth. Lafayette clinic studies in schizophrenia, Wayne State Univ., 70 & Biochemical identification of schizophrenia, Arch. Gen. Psychiat., 61; auth. History of biological psychiatry in America, Am. J. Psychiat., 69. Address: Dept. of Psychiatry, University of Iowa, 500 Newton Rd., Iowa City, Iowa 52240.
- TOWBIN, DR. ALAN P(AUL). Clinical Psychology. See L-Z Vol. 11th ed. Soc. & Behav. Vols. New position & address: Asst. exec. dir., 69-, Educational Resources Inc., P.O. Box 395, Bloomfield, Conn. 06002.
- TOWNE, DR. CAROL CHWOROWSKY. Speech. See 5th ed. Dir. Am. Scholars, Vol. II, Eng. Speech & Drama.
- TOWNSEND, PROF. EVERETT B(EAUMONT). Economics. See L-Z Vol. 11th ed. Soc. & Behav. Vols. New information: Emer. prof. econ., Beaver Col., 70- Address: R.D. 1, Box 301, Cape May Court House, N.J. 08210.
- TOWNSEND, DR. HENRY, b. Winchester, Va., Mar. 2, 39; m. 69. ECONOMICS, OPERATIONS RESEARCH. B.A., Yale, 60; M.Sc., London Sch. Econ., 64; Iel. Carnegie-Mellon Univ., 64-55; Ph.D. (econ), New Sch. Soc. Res., 69. ECONOMIST, U.S. Dept. Interior, 68-62; Maj. Cel. Cos. 67, MATHEMATICA, INC., 67- U.S.A., 60-61. Econ. Asn.; Economet. Soc. Behavioral foundations of micro-economic decision making; transportation. Publ: Co-auth. Studies on the demand for freight transportation, U.S. Clearinghouse for Sci. & Tech. Info., Vol. II, 69. Address: 388 Bleeker St., New York, N.Y. 10014.
- TOWNSEND, DR. MAURICE KARLEN. Political Science. See L-Z Vol. 11th ed. Soc. & Behav. Vols. New position & address: Prof. polit. sci. & v.pres. acad. affairs, 69-, Indiana State University, Administration Bldg., Room 210, Terre Haute, Ind. 47809.
- TOZZI, DR. JIM J. Economics. See L-Z Vol. 11th ed. Soc. & Behav. Vols. Change of address: Forrestal Bldg., Room 4 G026, Gravelly Point, Va. 20315.
- TRABASSO, PROF. THOMAS. Experimental Psychology. See L-Z Vol. 11th ed. Soc. & Behav. Vols. New position & address: Prof., 69-, Dept. of Psychology, Princeton University, Princeton, N.J. 08540.
- TRABONT, DR. JACK L, b. Monroe, Wash., Apr. 3, 34; m. SPECIAL EDUCATION. B.S., Oregon, 60, fcls., 64-67, M.S., 65, Ph.D. (ed. except. children), 68; Portland State Col., 63-64. Juvenile dir., juvenile court, Lake County Circuit Court, Lakeview, Ore., 60-61; juvenile serv. worker, Linn County Juvenile Court, Albany, 61-62; MacLaren Sch. for Boys, Woodburn, 62-64; ASST. PROF. COMMUNICATIVE DISORDERS, INST. STUDY EXCEPT. CHILDREN & ADULTS, DePAUL, 67- Summer asst., Oregon, 65 & 66. U.S.A.F., 52-55. Ed. Res. Asn.; Coun. Except. Children. Values and environmental stress. Address: Institute for the Study of Exceptional Children & Adults, DePaul University, 2322 Kenmore, Chicago, Ill. 60614.
- TRAGAKIS, DR. CHRISTIE J, b. Boston, Mass., Apr. 12, 44; m. 70. CHILD PSYCHOLOGY. A.B. Brown, 66; M.A., Iowa, 68, Ph.D. (child psychol.), 69. ASST. PROF. PSYCHOL., BRITISH COLUMBIA, 69- Psychol. Asn.; Soc. Res. Child Develop. The discrimination learning of normal children; attentional, meditational, and verbal factors involved in children's learning. Address: Dept. of Psychology, University of British Columbia, Vancouver 8, B.C., Can.
- TRAGER, PROF. EDITH CROWELL. Linguistics. See 5th ed. Dir. Am. Scholars, Vol. III, For. Lang. Ling. & Philol.
- TRAGER, DR. FELICIA HARBEN. Anthropology. See L-Z Vol. 11th ed. Soc. & Behav. Vols. New information: Adj. prof. anthropol., Southern Methodist, 69-; adj. prof. behav. sci., Dallas, 69-; Am. Philos. Soc. res. grant, 69-70. Address: 4137 Purdue St., Dallas, Tex. 75225.

- TRAGER, PROF. FRANK (EWTON). Government. See L-Z Vol. 11th ed, Soc. & Behav. Vols. Change of address: Hunt Lane, North Salem, N.Y. 10560.
- TRAMMELL, PROF. RAY. Law. See 5th ed, Dir. Am. Scholars, Vol. IV, Philos. Relig. & Law.
- TRANSEAU, DR. LEON WAYNE. Computer Science, Management Science. See Suppl. VI to 11th ed, Phys. & Biol. Vols.
- TRAORE, DR. DIAWA-MORY, b. Guinea, Jan. 15, 39. ECONOMICS. B.A., Pittsburgh, 63; M.A. 66, fel. 66-68, Ph.D.(econ). 69. Statistician, Ed. Ministry, Guinea, 63-64; prof. econ. sci. Polytech. Inst. Conakry, 66; ASST. PROF. ECON. MIDDLE TENN. STATE, 68. Econ. Assn. International trade and industrial development. Address: Route 1, Christians, Tenn. 37037.
- TRAUB, DR. ROSS (EUGENE), b. Didsburg, Alta, Jan. 1, 38; m. 58; c. 1. EDUCATION, PSYCHOLOGY. B.Ed. Alberta, 59, M.Ed. 61; M.A., Princeton, 63, D.Phil.(psychol). 64. Asst. prof. psychol. McGill, 64-66; MEASUREMENT & EVAL. ONT. INST. STUDIES IN ED. 66-68, ASSOC. PROF. 68-69. Ed. Res. Assn; Nat. Coun. Measurement in Ed. Psychomet. Assn; Can. Psychol. Assn. Psychological test theory and application; human abilities; educational measurement and evaluation; programmed learning; university admissions testing. Publ: Importance of problem heterogeneity to programmed instruction, J. Ed. Psychol. 66; co-auth. Effects of promised reward and threatened penalty on performance of a multiple-choice vocabulary test, Ed. & Psychol. Measurement, 69; auth. A factor analysis of programmed learning and ability measures, Can. J. Behav. Sci. 70. Address: Dept. of Measurement & Evaluation, Ontario Institute for Studies in Education, 102 Bloor St. W., Toronto 5, Ont, Can.
- TRAVLAND, DR. DAVID ARNOLD. Clinical Psychology. See L-Z Vol. 11th ed, Soc. & Behav. Vols. New position & address: Supvr. res. unit, 69-. University Research Corp, 4301 Connecticut Ave. N.W., Washington, D.C. 20008.
- TRAWEEK, DR. MELVIN WINSTON. Educational Psychology. See L-Z Vol. 11th ed, Soc. & Behav. Vols. New position & address: Counseling psychologist, 69-. Psychology Service, Veterans Administration Hospital, Tuscaloosa, Ala. 35401.
- TRAYLOR, PROF. ELWOOD BRENT, b. St. Louis, Mo. June 29, 27; m. 47; c. 4. EDUCATIONAL PSYCHOLOGY. A.B. Greenville Col. 46; M.A., Washington (St. Louis), 51, Ed.D.(ed. psychol). 66. Asst. prof. ed. & psychol. Centenary Col. 56-59; assoc. prof. Hendrix Col. 59-61; assoc. prof. psychol. & dir. testing, McMurry Col. 61-67; assoc. prof. ED. PSYCHOL. WICHITA STATE, 67-69, PROF. 69-, CHMN. DEPT. 67-. U.S. Off. Ed. grant, 68-69; Wichita State grant, 69-70. Consult. & researcher, aviation ed. progs, Cessna Aircraft Co., 67-68, consult. & res. dir. Aviation Ed. 69-70, consult. Wichita Pub. Schs. Growth & Develop. Prog. summer 69. U.S.C.G. 45-46. Ed. Res. Assn; Psychol. Assn. The study of social system variables on decision making behavior. Address: 2701 N. Pershing Court, Wichita, Kans. 67220.
- TRAYLOR, PROF. HARLON DWAIN. Agricultural Economics. See L-Z Vol. 11th ed, Soc. & Behav. Vols. New position: Prof. 68-, Dept. of Agricultural Economics, Louisiana State University, Baton Rouge, La. 70803.
- TREADWAY, DR. ROY CLAY. Sociology. See L-Z Vol. 11th ed, Soc. & Behav. Vols. New information: Vis. assoc. prof. 69-, Institute of Population Studies, Hacettepe University, Ankara, Turkey.
- TREBACH, DR. ARNOLD S(HEPARD). Constitutional Law. See L-Z Vol. 11th ed, Soc. & Behav. Vols. New position: Chmn. bd. dirs. Univ. Res. Corp. 69-. Address: 7 Carderock Court, Bethesda, Md. 20034.
- TREGANZA, PROF. ADAN EDUARDO. Anthropology, Geography. See 11th ed, Soc. & Behav. Vols. deceased 68.
- TREMBLY, DR. W. AGIB. Psychology. See L-Z Vol. 11th ed, Soc. & Behav. Vols. New information: Independent consult. Address: P.O. Box 578, Crystal Bay, Nev. 89402.
- TREMEL, DR. JEROME G(EOERGE). Mathematics, Education. See Suppl. V to 11th ed, Phys. & Biol. Vols.
- TRENT, DR. JIMMIE DOUGLAS. Speech. See 5th ed, Dir. Am. Scholars, Vol. II, Eng. Speech & Drama.
- TREON, DR. MARTIN A., b. St. Paul, Minn. Feb. 11, 37; m. 59; c. 3. SPEECH PATHOLOGY. B.S., Minnesota, 59; M.A., Stanford, 61; Ph.D.(speech pathol). California, Los Angeles, 67. Speech pathologist, Crippled Children's Soc. Los Angeles, 60-67; instr. SPEECH PATH. Calif. State Col. Long Beach, 66-67; ASST. PROF. CALIF. STATE COL. FULLERTON, 67- Nat. Guard, 54-61. Speech & Hearing Assn. Speech sound perception; cleft palate speech; communication. Address: 4352 Wintersweet Way, Irvine, Calif. 92664.
- TRESSELT, DR. M(ARGARET) E(LIZABETH). Psychology. See 11th ed, Soc. & Behav. Vols. deceased 70.
- TRETIK, DANIEL, b. Brooklyn, N.Y., Apr. 11, 37; m. 64. POLITICAL SCIENCE. B.A. Arizona, 58, M.A. 59; M.A., Harvard, 61; Hon. Kong, 62-63; Fulbright Hays fel. Stanford, 67-68. Acting asst. ed. Far East. Econ. Rev. Hong Kong, 64; SR. POLIT. SCIENTIST, ADV. STUDIES GROUP, WESTINGHOUSE ELEC. CORP. 68- Consult. Rand Corp. 65-68; Stanford Res. Inst. 67-69. Assn. Asian Studies; Polit. Sci. Assn. International relations and comparative politics, with especial reference to the Communist system, particularly Chinese, Cuban and Soviet politics. Publ: Co-auth. Cuba's integration into the Communist system, 1962-1966: a preliminary assessment, In: The world Communist system—international and comparative studies, Bobbs, 69; auth. Political assassinations in China: 1800-1968, Nat. Cm. Causes & Prevention of Violence, 69; Shifts in Chinese attention to and support of national liberation movements in Southeast Asia, 1966-1969, Current Scene, 11/1/69. Address: Advanced Studies Group, Westinghouse Electric Corp, 235 Wyman St, Waltham, Mass. 02154.
- TRIESCHMANN, DR. GEORGE V, b. Lake Providence, La. Aug. 31, 32; m. 55; c. 2. PSYCHOLOGY. B.S., Tulane, 54, B.Arch. 61; M.S. Utah, 67, Ph.D. (psychol). 69. ASST. PROF. ENVIRON. SYSTS, VA. POLYTECH, 68- Consult. Catholic Univ. 69; Nat. Inst. Ment. Health, 69- U.S.N.A.F. 54-57, 62-65, Lt. Comdr. AAAS: World Future Soc. Behavioral factors in environmental design; experimental community design; indirect sensing methods. Publ: Behavioral criteria in building design, Archt. Psychol. 6/67; Pattern and behavior in constructed environment, Ekistics, 6/68; Human factors in environmental research, In: Campus Plan II, Virginia Polytech. Inst. (in press). Address: Virginia Polytechnic Institute College of Architecture, Blacksburg, Va. 24061.
- TRUFFIN, PROF. ROBERT. Economics. See L-Z Vol. 11th ed, Soc. & Behav. Vols. Change of address: Master's Office, Berkeley College, 403A Yale Station, New Haven, Conn. 06520.
- TRIGGER, PROF. BRUCE GRAHAM. Anthropology. See L-Z Vol. 11th ed, Soc. & Behav. Vols. New position: Prof. anthrop. Dept. of Sociology & Anthropology, McGill University, Montreal, Que. Can.
- TRINER, DR. EDWIN G(EOERGE). Social Psychology, Aeronautical Engineering. See L-Z Vol. 11th ed, Soc. & Behav. Vols. New position & address: Dir. 69-, Center for Management Studies Analyses, College of Business Administration, University of Houston, Houston, Tex. 77004.
- TRINKNER, CHARLES L(EO). Social Science. See L-Z Vol. 11th ed, Soc. & Behav. Vols. New publ: Teaching for better use of libraries, Shos String, 69. Address: Pensacola Junior College, Library Services, 2026 Peacock Dr, Pensacola, Fla. 32504.
- TRIOLO, DR. VICTOR (ANTHONY). Cancer, History of Science. See Suppl. V to 11th ed, Phys. & Biol. Vols.
- TRIONE, DR. VERDUN, b. Berkeley, Calif. m. 48; c. 1. EDUCATIONAL PSYCHOLOGY. B.A. Roosevelt, 47, Il. Inst. Tech. 49-50; Ed. Paul, 50; Ed.D. (ed. psychol). California, Berkeley, 65. Dir. res. Clark Co. Schs. Nev. 62-66; ASSOC. PROF. COUNSR. ED. & COORDINATOR DEPT. NEVADA, LAS VEGAS, 66- Grant, 69-71. Consult. Elem. & Sec. Ed. Act prog. Clark County, 66-69; U.S. Off. Econ. Opportunity Mexican Migrant prog. Laredo, Tex. 69; Elem. & Sec. Ed. Act prog. Newport Beach Schs, Calif. 69-70. Mem. Elem. & Sec. Ed. Act Adv. Coun. Nev. 68-71. Adj.Gen.C. U.S.A. 44-46. Psychol. Assn. Student personnel service education; behavioral research; effect of consultants with teachers; student behavior and teacher behavior; effect of consultants on school staffs and students; community socio-economic structures. Publ: Co-auth. Systems manual for implementing school programs, Nev. State Dept. Ed. Role of school psychologist in the community school, In: School psychological services, Prentice-Hall, 67; auth. School psychology, teacher change and fourth grade reading achievement, Calif. J. Ed. Res. 67. Address: Dept. Counselor Education, University of Nevada, Las Vegas, Nev. 89109.
- TRITES, DR. DAVID (KEIGHTLEY). Psychology. See L-Z Vol. 11th ed, Soc. & Behav. Vols. New position & address: Chief hosp. & health care facilities br, 70-, National Center for Health Services Research & Development, 5600 Fishers Lane, Rockville, Md. 20852.
- TRITES, DR. RONALD L, b. Quesnel, B.C. June 23, 36; m. 58. PSYCHOLOGY, NEUROLOGY. B.Ed. Gonzaga, 56; M.A. Ottawa, 63, Ph.D.(clin. psychol). 65. Psychologist, Ottawa Civic Hosp. 61-64; head dept. psychol. St. Patrick's Col.(Ont), 64-67; Ont. Ment. Health traveling fel. neuropsychol. Wisconsin, Madison, 67-69; DIR. NEUROPSYCHOL. LAB, ROYAL OTTAWA HOSP. 69-. ASST. PROF. DEPT. PSYCHOPHYSIOL. & LECTR. DEPT. PSYCHIAT. FACULTY MED. OTTAWA, 69- AAAS: Am. Acad. Neurol; Can. Psychol. Assn. Visual perception and visual postural deficits in patients with central nervous system disease; effects of drugs on behavior; recovery of adaptive functions following cerebral insult. Publ: Response sets on the rod-and-frame test in neurologically impaired subjects, Perceptual & Motor Skills, 69; co-auth. Psychologic test findings in the F-form of acro-pectoral-vertebral dysplasia: the E syndrome, Nat. Found. 69 & Evaluation of memory functions with intracarotid sodium amytal, Am. Neurol. Assn. 69. Address: Neuropsychology Lab, Royal Ottawa Hospital, 1145 Carling Ave, Ottawa, Ont, Can.
- TROCK, DR. WARREN LEIGH, b. Pratt, Kans. June 30, 26; m. 49; c. 3. ECONOMICS, AGRICULTURAL ECONOMICS. B.S., Kansas State, 50, M.S. 56; Ph.D.(agr. econ), Montana State, 66. Instr. agr. econ. Kansas State, 56-57; econ. economist, Montana State, 57-61, asst. prof. AGR. ECON. 53-64; TEXAS A&M, 64-68, ASSOC. PROF. 68- U.S.A. 44-46, 50-51. Agr. Econ. Assn; Water Resources Assn. Economics of natural resource development and use; resource development and economic growth; resource use and quality of the environment. Publ: Institutional factors and the Texas water plan, Proc. Fifth Annual Meeting, Am. Water Resources Assn, 10/69; Institutional factors affecting land and water development, Water Resources Research, Am. Geophys. Union, 12/69. Address: Dept. of Agricultural Economics, Texas A&M University, College Station, Texas 77843.
- TROJAN, DR. DAVID JOHN, b. Chicago, Ill. Feb. 2, 33; m. 61; c. 6. SOCIOLOGY. B.A. Mo. Valley Col. 55; M.A. Chicago, 61; Ph.D.(sociol). Kentucky, 69. Instr. SOCIOL. Wis. State, Superior, 61-64; lectr. Kentucky, 64-67; ASSOC. PROF. WIS. STATE, EAU CLAIRE, 67- U.S.M.C.R. 53-, Maj. Sociol. Assn. Reference groups; small group structure. Address: Dept. of Sociology, Wisconsin State University, Eau Claire, Wis. 54701.
- TROSPER, DR. JOSEPH FORREST. Finance. See L-Z Vol. 11th ed, Soc. & Behav. Vols. New position: Financial adv. to pres. of Kabul Univ., Afghanistan, U.S. Agency Int. Develop. 70- Address: USAID/KABUL (ID), Dept. of State, Washington, D.C. 20523.

- TROST, DR. CHARLES H(ENRY). Vertebrate Zoology, Physiological Ecology. See Suppl. VI to 11th ed, Phys. & Biol. Vols.
- TROTTER, PROF. LEONA SECHL. Economics. See L-Z Vol, 11th ed, Soc. & Behav. Vols. New information: Also chmn, 70-, Dept. of Economics, Fairleigh Dickinson University, Teaneck, N.J. 07666.
- TROUT, DR. FRANK E(MANUEL). Modern History, Historical Geography. See 5th ed, Dr. Am. Scholars, Vol. I, Hist.
- TROUT, PROF. ROBERT O(REN). Geography, Sociology. See L-Z Vol, 11th ed, Soc. & Behav. Vols. New information: Also chmn, 69-, Dept. of Social Sciences, Louisiana Polytechnic Institute, Box 4107, Tech Station, Ruston, La. 71270.
- TROUTMAN, JAMES SCOTT. Engineering, Operations Research. See Suppl. V to 11th ed, Phys. & Biol. Vols.
- TROWELL, DR. JAY ALLEN. Physiological Psychology. See Suppl. VI to 11th ed, Phys. & Biol. Vols.
- TROXELL, PROF. JOHN P(HILIP). Industrial Relations. See L-Z Vol, 11th ed, Soc. & Behav. Vols. New information: No longer with Univ. Mississippi. Address: Kingscote Gardens, Stanford, Calif. 94305.
- TRUED, DR. M(ERLYN) N(ELSON). Economics. See L-Z Vol, 11th ed, Soc. & Behav. Vols. New position & address: Financial mgr, 69-, Inter-American Development Bank, 808 17th St. N.W., Washington, D.C. 20577.
- TRUITT, DR. WILLIAM JAMES, b. Dallas, Tex. Mar. 4, 40. m. 62; c. 2. ECONOMICS. B.A. Southern Methodist, 60; Ford Found. fel. & M.S. Purdue, 62; univ. fel. Illinois, 64-65, Ph.D.(econ), 68. Asst. prof. ECON. La. State, Baton Rouge, 65-68; ASSOC. PROF. BAYLOR, 68- Econ. Asst. Nat. Tax Assn. Shifting of excise taxes with the use of econometric methods. Address: Dept. of Economics, Hankamer School of Business, Baylor University, Waco, Tex. 76793.
- TRUMAN, PRES. DAVID B(ICKNELL). Political Science. See L-Z Vol, 11th ed, Soc. & Behav. Vols. New position & address: Pres, 69-, Mount Holyoke College, South Hadley, Mass. 01075.
- TRUSCOTT, DR. IDA P(ROUTY), b. Council Bluffs, Iowa, Oct. 1, 15; m. 41; c. 2. PSYCHOLOGY. B.A. Iowa, 40; M.A. Radcliffe Col., 45; Ph.D.(clin. & exp. psychol), Cincinnati, 66. Intern psychol. State Dept. Soc. Welfare, Iowa, 40-41; teaching asst, N.Y. Univ., 41-42; jr. res. psychologist, psycho-acoustic lab, Harvard, 44-45; clin. psychologist, testing & advisement center, N.Y. Univ., 46; post doctor. Butler County Guid. Center, Ohio, 58-59; instr. & asst. psychol., Cincinnati, 61-66; asst. prof. Xavier, 66-67; CONSULT. RES. & CLIN. PSYCHOL. ROLLMAN PSYCHIAT. INST., CINCINNATI, OHIO, 67- Clin. psychologist, Longview State Hosp., Cincinnati, 66-67. Psychol. Asn. Radio range signals as masked by white noise; masking of speech by sine, square and regular and modulated pulses; memory process in brain-damaged adults; schizophrenic language; psycholinguistics and memory process. Publ. Co-auth. The masking of speech by sine waves, square waves and regular and modulated pulses, J. Acoustical Soc. Am., 64; auth. Short-term memory in brain-damaged adults, Am. Psychol. Asn. Proc, 67. Contextual constraint and schizophrenic language, J. Consult. Psychol., 70. Address: 2854 Ridgewood Ave., Cincinnati, Ohio 45213.
- TRUSSELL, DR. MARGARET EDITH, b. Alameda, Calif., Jan. 26, 28. GEOGRAPHY. A.B. California, Berkeley, 49, M.A., 60; M.A. Calif. State Col. Long Beach, 57; grant-in-aid, Chico State Col., 68-69; Ph.D.(geog), Oregon, 69. Teacher, high schs., Calif., 53-57; econ. San Jose City Col., 58; teaching asst, California, Berkeley, 60-61; asst. prof. soc. sci. Southwest. Ore. Community Col., 61-66; GEOG. CHICO STATE COL., 66-70, ASSOC. PROF., 70- AAAS; Asn. Am. Geog. Soc.; Soc. Econ. Bot. Pioneer agriculture and agricultural development, including origins and diffusion of land choice decisions and agricultural practices; distributions and human uses of native plants; history of geographic thought. Publ. Land choice by pioneer farmers: Western Butte County, through 1877, Univ. Microfilms, 69; co-auth. In view of the road, Westways, 61; auth. Geography field course, Nat. Defense Ed. Act Sect. Jr. Col. Workshop in Geog. Report, 67. Address: Dept. of Geography, Chico State College, Chico, Calif. 95926.
- TSIANG, PROF. S(HO) C(HIEH). Economics. See L-Z Vol, 11th ed, Soc. & Behav. Vols. New position & address: Prof, 69-, Dept. of Economics, Cornell University, Ithaca, N.Y. 14850.
- TSUL, DR. TIM T. Economics. See L-Z Vol, 11th ed, Soc. & Behav. Vols. New position: Corp. dir. econ. anal, 69-, Dart Industries Inc, 8480 Beverly Blvd., Los Angeles, Calif. 90054.
- TSURUTANI, DR. TAKETSUGU, b. Nagasaki, Japan, Dec. 28, 36; m. 64; c. 1. POLITICAL SCIENCE. B.A. Lawrence Col., 58; Strabourg, 58-59; M.A. Wisconsin, 64, Ph.D.(polit. sci.), 66. Inst. POLIT. SCI. Nevada Southern, 65-66, ASST. PROF. 66-67; Maine, 67-69; WASHINGTON STATE, 69-. Res. assoc. Center Rural Develop., 67-68. Polit. Sci. Asn; Asn. Asian Studies. Process of modernization; role of political leadership. Publ. Machiavelli and the problem of political development, Rev. Polit., 7/68 & Stability and instability: a note in comparative political analysis, J. Polit., 11/68. Address: Dept. of Political Science, Washington State University, Pullman, Wash. 99163.
- TUAN, PROF. YI-FU. Geography. See L-Z Vol, 11th ed, Soc. & Behav. Vols. New position & address: Prof, 68-, Dept. of Geography, University of Minnesota, Minneapolis, Minn. 55455.
- TUCCI, PROF. MARIO J., b. Peekskill, N.Y. June 24, 20; m. 55; c. 4. MARKETING MANAGEMENT. B.S. N.Y. Univ., 42, M.A., 49; summers, Ford. Found. fel. Carnegie Inst. Tech., 57, fel. Mass. Inst. Tech., 61. ASSOC. PROF. MKT. & MGT. COL. BUS. ADMIN. FORDHAM, 68- Training consult, Naval Resale Syst. Off., U.S. Navy, 59-. Mgt. Asn; Mkt. Asn. Consumer behavior in the market place; training of middle management areas. Publ. Co-auth. Channels of distribution, In: Principles of marketing, Pitman, 61. Address: Dept. of Marketing & Management, Fordham University College of Business Administration, Bronx, N.Y. 10458.
- TUCKER, DR. THOMAS J(ACOB). b. Chicago, Ill. June 4, 32; m. 55; c. 3. PSYCHOLOGY. B.A. Roosevelt, 54, M.A., 61; U.S. Pub. Health Serv. fel., Chicago, 62-64, Ph.D.(psychol), 65. Lectr. PSYCHOL., Roosevelt, 61-66; Ill. Col. Optom., 63-64; res. assoc. psychiatrist & psychosom. inst., Michael Reese Hosp., 65-66; ASST. PROF. COL. MED. ILLINOIS, 66- U.S.A. 56-58. Psychol. Asn; Psychosomatic Soc; Int. Soc. Develop. Psychol., Effects of neonatal brain damage on problem solving and sensory discrimination capacities in the developing organism. Publ. Co-auth. Sparing of function following localized brain lesions in neonatal monkeys, In: The neuropsychology of development, Wiley, 68; Sparing of photic frequency and brightness discriminations after striate cortex in neonatal cats, J. Neurophysiol., 31: 818-832 & Preservation of delayed response following combined lesions of prefrontal and posterior association cortex in infant monkeys, Exp. Neurol., 23: 491-502. Address: Neuropsychiatric Institute, 912 S. Wood St., Chicago, Ill. 60612.
- TUCKMAN, DR. JACOB. Psychology. See L-Z Vol, 11th ed, Soc. & Behav. Vols. New position & address: Dir. 68-, Suicide Prevention Center, City Hall Annex, Room 430, Philadelphia, Pa. 19107.
- TUDOR, THOMAS HUBBARD, b. Boston, Mass. Oct. 23, 09; m. c. 4. ECONOMIC & INDUSTRIAL DEVELOPMENT. A.B. Stanford, 32, M.B.A., 39; cert. Chicago Tech. 35. Jr. economist, Gov. Cmm. Re-employ, Calif., 39-40; progress eng., Permanente Metals Corp., 41-42; sr. researcher, Indust. Indemnity Co., 47-49; sr. economist, Stanford Res. Inst., 50-60; DIR. TUDOR RES., 61- U.S.N.R., 42-46, Res., 46-, Comdr. Consultative work and project operation in developing countries, especially all phases of their economic and industrial development including technical, vocational and management training. Address: 1626 Santa Barbara St., Santa Barbara, Calif. 93101.
- TUETING, DR. PATRICIA A., b. Jan. 26, 41; m. 66. PSYCHOLOGY. B.A. St. Olaf Col., 63; Higgins fel., Columbia, 63-64, M.A., 64, Nat. Inst. Ment. Health fel., 67-68, Ph.D.(psychophysiol), 68. Fel. N.Y. State Psychiat. Inst., 68-69; ASST. PROF. PSYCHOL. LEHMAN COL., 69- Res. assoc. psychiatrist, Columbia, 69-70, A.A.S. Evoked potential correlates of complex psychophysical variables. Publ. Co-auth. Information delivery and the sensory evoked potential, Science, 67; auth. Quantitative evoked potential correlates of the probability of events, Psychophysiology, 70. Address: Biometrics Research, Psychiatric Institute, 722 W. 168 St., New York, N.Y. 10032.
- TUGWELL, DR. FRANKLIN, b. San Juan, P.R. Mar. 29, 42; m. 62; c. 1. POLITICAL SCIENCE. B.A. Columbia, 63, faculty scholar, 63-64, M.A., 64, Latin Am. Inst. Scholar, 64-65, For. Area fel., 66-68, Ph.D.(polit. sci.), 69. Instr. GOVT. POMONA COL., 68-69, ASST. PROF., 69-, Hayes fel., summer, 68. Polit. Sci. Asn; World Future Soc. Latin American politics; modernization, political future studies. Publ. The Christian Democrats of Venezuela, J. Interam. Studies, 4/65. Address: Dept. of Government, Pomona College, Claremont, Calif. 91711.
- TULCHIN, SIMON HARRY). Clinical Psychology. See L-Z Vol, 11th ed, Soc. & Behav. Vols. Change of address: 3541 T St. N.W., Washington, D.C. 20007.
- TULL, DR. DONALD STANLEY. Marketing. See L-Z Vol, 11th ed, Soc. & Behav. Vols. Change of address: 2580 Highland Oaks, Eugene, Ore. 97405.
- TULLOCK, PROF. GORDON. Economics, Political Science. See L-Z Vol, 11th ed, Soc. & Behav. Vols. New position & address: Prof, econ, 68-, Center for Study of Public Choice, Virginia Polytechnic Institute, Blacksburg, Va. 24061.
- TULVING, PROF. ENDEL. Experimental Psychology. See L-Z Vol, 11th ed, Soc. & Behav. Vols. New position & address: Prof, 70-, Dept. of Psychology, Yale University, 333 Cedar St., New Haven, Conn. 06510.
- TUNG, DR. THEODORE H. Economics. See L-Z Vol, 11th ed, Soc. & Behav. Vols. Change of address: 50 Drake Rd., Somerset, N.J. 08873.
- TUPIN, DR. JOE P., b. Comanche, Tex. Feb. 17, 34; m. 55; c. 3. PSYCHIATRY. B.S. Texas, 55, M.D. 59. Intern, California, San Francisco, 60, res. psychiatrist, med. b. Texas, 60-62, Nat. Inst. Ment. Health fel., 62-64, asst. prof., 64-68, asst. dean, 67-68, assoc. prof. psychiatrist & assoc. dean, 68-69, dir. res., 64-69; ASSOC. PROF. PSYCHIAT. SCH. MED. CALIFORNIA, DAVIS, 69- Nat. Inst. Ment. Health career teacher award, 64-66. Consult. Peace Corps, 66; Sec. Security Admin., 66-69; Asst. State Hosp., 67-69. AAAS; fel. Psychiat. Asn; Fedn. Clin. Res. Psychopharmacology; manic depressive illness, family dynamics. Publ. The use of lithium carbonate in the treatment of manic psychosis, 123: 201-207 & Lithium effects on electrolyte excretion, 125: 546-542, Am. J. Psychiat.; Computer monitoring and analysis of a psychiatric treatment program, Ment. Hyg., 7/67. Address: School of Medicine, University of California, Davis, Calif. 95616.
- TURBAN, DR. EFRAIM. Management Science. See L-Z Vol, 11th ed, Soc. & Behav. Vols. Change of address: Dept. of Economics & Commerce, Simon Fraser University, Burnaby 2, B.C., Can.
- TURBEVILLE, PRES. GUS. Sociology. See L-Z Vol, 11th ed, Soc. & Behav. Vols. New position & address: Pres, 69-, Coker College, Hartsville, S.C. 29550.
- TUREL, DR. ELLIOT, b. Rhodes, Greece, Sept. 23, 38; U.S. citizen. DEVELOPMENTAL PSYCHOLOGY. B.B.A. City Col. New York, 60; Nat. Inst. Ment. Health fel., Yale, 61-65, Ph.D.(psychol), 65. Res. assoc. psychol. Center Urban Ed. & Bank St. Sch. Ed. 65-67; adj. asst. prof. Columbia, 66-67, asst. prof., 67-69; ASSOC. PROF. ED. & SOC. PSYCHOL. HARVARD, 69- Nat. Sci. Found. res. grant, 67-69. Psychol. Asn; Soc. Res. Child Develop. Social de-

- velopment, particularly development of moral judgments, development of cognition and processes of developmental change. Publ: An experimental test of the sequentiality of developmental stages in the child's moral judgments. *J. Personality & Soc. Psychol.* 66: An historical analysis of the Freudian conception of the super ego. *Psychoanal. Rev.* 67: Developmental processes in the child's moral thinking. In: *New directions in developmental psychology*, Holt, 68. Address: Graduate School of Education, Harvard University, Larsen Hall, Appian Way, Cambridge, Mass. 02138.
- TURNBULL, DR. AUGUSTUS BACON, III, b. Atlanta, Ga, Mar. 7, 40; m. 65. POLITICAL SCIENCE, PUBLIC ADMINISTRATION. A. B. Georgia, 62; Nat. Defense Ed. Act & Woodrow Wilson fcls. & Ph.D.(govt), Virginia, 67. Asst. press secy. to Gov. Carl Sanders, Ga, 64-67; asst. prof. polit. sci. inst. govt, GEORGIA, 67-70, DIR. UNIV. SELF STUDY PROG., 70- Dir. Ga. Summer Intern. Prog. State Govt, 65-66; res. dir. Citizens Cmt. Ga. Gen. Assembly, 68-70; summer prof. U.S. Civil Serv. Cmm, D.C. 69. Consult, Civil Defense Staff Col, Battle Creek, Mich, 68-70; constitutional revision, Ga. House Rep, 69. Polit. Sci. Assn; Soc. Pub. Admin; World Ed. Fel. Planning, programming and budgeting systems; public budgeting; administrative internships; state government organization; administration of higher education. Publ: Agencies of Georgia State Government, Univ. Georgia, 69; The PPB systems: skills and training requirements, U.S. Civil Serv. Cmm, 69; co-auth, Budget making in Georgia and Wisconsin: a test of a model, Midwest J. Polit. Sci., 11/69. Address: 175 Baxter Dr, M-5, Athens, Ga, 30601.
- TURNBULL, DR. WILLIAM W(ATSON). Psychology. See L-Z Vol, 11th ed, Soc. & Behav. Vols. New position: Pres, 70-, Educational Testing Service, Princeton, N.J. 08540.
- TURNER, DR. CASTELLANO BLANCHET, b. Chicago, Ill, June 14, 38; m. 61. PSYCHOLOGY. B.A., DePaul, 62, M.A., 63; Ph.D.(psychol), Chicago, 66. Lectr. psychol. exten. div, Chicago, 65-68; ASST. PROF. MASSACHUSETTS, 68- Prog. psychologist, Woodlawn-Hyde Park-Kenwood Prog, Manteno State Hosp, 66-67, prog. dir, 67-68; clin. instr. dept. psychiat, Chicago, 66-68, res. assoc. sch. soc. serv. admin, 68. AAAS; Psychol. Assn. Personality measurement; community mental health. Publ: Co-auth, Item quality and appropriateness of response process, Ed. & Psychol. Measurement, summer 68. Address: Dept. of Psychology, University of Massachusetts, Amherst, Mass. 01002.
- TURNER, DR. CHRISTY (GENTRY), II, b. Columbia, Mo, Nov. 28, 33; m. 57; c. 3. PHYSICAL ANTHROPOLOGY. B.A., Arizona, 57, M.A., 58; Ph.D.(phys. anthrop), Wisconsin, 67. Phys. anthropologist and microevolution of North Ariz, 58-61; acting asst. prof. PHYS. ANTHROP, California, Berkeley, 63-66; ASSOC. PROF., ARIZONA STATE, 66- Werner-Gren Found. grant anthrop. res, 68-69; trainee, Inst. Adv. Ed. Dent. Res, 69-; fel. Center Adv. Study Behav. Sci., 70-71. Am. Assn. Phys. Anthropol; Inst. Asst. Dent. Res. Soc. Am. Archaeol; Int. Asn. Human Biol; Brit. Soc. Study Human Biol. Dental anthropology; physical anthropology and microevolution of Arctic and Southwestern United States peoples; American Indians. Publ: Petrographs of the Glen Canyon region, Mus. North. Ariz. Bull, 63; Micro-evolutionary interpretations from the dentition, 30: 421-426 & co-auth, Dental chipping in Aleuts, Eskimos and Indians, 31: 303-310. Am. J. Phys. Anthropol. Address: Dept. of Anthropology, Arizona State University, Tempe, Ariz. 85281.
- TURNER, DR. EDWARD D, b. Topeka, Kans, Nov. 9, 30. PSYCHOLOGY. A.B., Washburn, 58; Ph.D., Kansas State, 66. Res. asst., Menninger Found., Topeka, 56-61; Kansas State, 61-64; asst. prof. PSYCHOL, CALIFORNIA, DAVIS, 64-69; ASSOC. PROF., 69-. CHMN. BLACK STUDIES PROG., 70-. Asst., Washburn, 56-58; res. asst., Dept. Health, Ed. & Welfare, 56-58; statistician, bur. child res. & endocrine lab, Kansas Univ., 58-59. Consult, Sacramento Youth Cong; U.E.O., Sacramento; Community Relis. Training Prog, Sacramento Police Dept; consult. & organizer, Neighborhood Action Group. Psychol. Assn. Social perception; experimental design; psychophysics; social personality. Publ: Co-auth, Influence of lightness upon judgment of size: an exercise in multidimensional psychophysics, Am. J. Psychol, 78: 90-95; Vigilance performance with a qualitative shift in verbal reinforcers, J. Exp. Psychol., 70: 83-86 & 71: 467-468, Response latency as a function of the statistical structure of a prior schedule of presentation intervals, J. Gen. Psychol., 75: 279-284. Address: Dept. of Psychology, University of California, Davis, Calif. 95616.
- TURNER, DR. KEITH K, b. Lincoln, Nebr, Apr. 6, 36; m. 58; c. 3. ECONOMICS. B.A., Nebraska, 58, M.A., 62, Ph.D.(econ), 66. Asst. prof. ECON, Denver, 68-69; ASSOC. PROF., NEBRASKA, OMAHA, 69. U.S.A. 60-61, 1st Lt. Region, 60-68; res. asst., Dept. Health, Ed. & Welfare, 56-58; construction activity, Bur. Bus. Res, Univ. Nebr, 68-69 & The construction industry in Colorado, Col. Bus. Admin, Univ. Denver, 70. Address: Dept. of Economics, University of Nebraska at Omaha, Omaha, Nebr. 68010.
- TURNER, PROF. ROBERT C(LEMENS). Business Economics. See L-Z Vol, 11th ed, Soc. & Behav. Vols. New information: Also v.chancellor, Indiana, Bloomington, 69- Address: 915 S. Highland Ave, Bloomington, Ind. 47401.
- TURNER, PROF. VICTOR WITTER. Anthropology. See L-Z Vol, 11th ed, Soc. & Behav. Vols. Change of address: Committee on Social Thought, University of Chicago, Chicago, Ill. 60637.
- TURNER, DR. WILLIAM HOMER HEYWARD. Political Science. See L-Z Vol, 11th ed, Soc. & Behav. Vols. New position: V.pres. & dir. studies in philanthropy & liberal ed. Acad. Ed. Develop. Inc, 70- Address: 475 Fifth Ave, New York, N.Y. 10017.
- TURNER, DR. WILLIAM L. Agricultural Economics. See L-Z Vol, 11th ed, Soc. & Behav. Vols. New position & address: Dir., North Carolina Dept. of Administration, Box 1351, Raleigh, N.C. 27602.
- TURRISI, DR. FRANK D(UGLAS), b. Westerly, R.I, Feb. 15, 36; m. 61; c. 2. CHILD PSYCHOLOGY. B.A., Connecticut, 64; U.S. Pub. Health Serv. fel,
- Brown, 65-68, A.M., 66, Ph.D.(psychol), 69. ASST. PROF. PSYCHOL., FLA. STATE, 68- U.S.N., 54-57. Psychol. Assn; Soc. Res. Child Develop. Attentional processes; discrimination learning and memory, specifically as related to the transfer of learning. Publ: Co-auth, The effects of overtraining on the acquisition of intradimensional and extradimensional shifts, J. Exp. Psychol. (in press), Some effects of novelty and overtraining on the reversal of learning of retardates, J. Exp. Child Psychol. (in press) & The effects of overtraining and training procedure on transfer of observing and instrumental responses in discriminative reversals, J. Comp. & Physiol. Psychol. (in press). Address: Dept. of Psychology, Florida State University, Tallahassee, Fla. 32306.
- TURTON, DR. LAWRENCE J(AMES), b. Lorain, Ohio, Nov. 8, 34; m. 62; c. 4. SPEECH PATHOLOGY. A.B. John Carroll, 62; M.A., Western Reserve, 64; Ph.D.(speech path, audiol), Kansas, 66. ASST. PROF. SPEECH PATH, sch. med., Kansas, 66-68; BOWLING GREEN STATE, 68- Consult, div. hosp. & med. facilities, bur. health serv., U.S. Pub. Health Serv., 68. Language development; language pathology of children and adults; articulation disorders of children. Address: Dept. of Speech, Bowling Green State University, Bowling Green, Ohio 43402.
- TUSSING, DR. ARLO R, b. Portland, Ore, July 22, 33; m. 66. ECONOMICS. A.B. Chicago, 50; B.S., Ore. State Col, 52; Ford Found. For. Area fel, Hirotsubashi Univ, Japan, 60-62; Ph.D.(econ), Washington (Seattle), 65. Asst. prof. ECON, San Francisco State Col, 63-64; ALASKA, 65-67, ASSOC. PROF., 67- Pres, Ecosyst. Assocs, 67-; economist, Fed. Field Cmt. Develop. Planning Alaska, Anchorage, 68- Econ. Assn; Econ. Hist. Assn. Economic development and history; natural resources economics; Publ: Co-auth, Alaska-Japan economic relations, Univ. Alaska, 68; auth, The labor force in Meiji economic growth, J. Econ. Hist., 31/66; co-auth, Kogyo Iken: Japan's ten year plan 1884, Econ. Develop. & Cultural Change, 9/67. Address: Institute of Social, Economic, and Government Research, University of Alaska, College, Alaska 99701.
- TUTKO, PROF. THOMAS ARTHUR, b. Eallitzin, Pa, Sept. 8, 31; div. c. 4. PSYCHOLOGY. B.S., Pa. State, 58, M.A., 60; U.S. Dept. Pub. Health fel, Northwestern, 61-62, Ph.D.(psychol), 62. PROF. PSYCHOL, SAN JOSE STATE COL, 62- U.S. Dept. Pub. Health grant, 65-69. U.S.M.C., 49-52, 5/85pt. Sports motivation; personality; psychomotoric tests and measurements; mental health evaluation and assessment. Publ: Co-auth, Problem athletes and how to handle them, Pelham Books, 66 & The dynamics of coaching, Allyn, 70; auth, Clinical aspects of sport psychology, Quest, 70. Address: Dept. of Psychology, San Jose State College, San Jose, Calif. 95114.
- TUTTLE, DR. ANDREW C. Political Science. See L-Z Vol, 11th ed, Soc. & Behav. Vols. New position: Prof. & chmn, 68-, Dept. of Political Science, University of Nevada at Las Vegas, Las Vegas, Nev. 89109.
- TUTTLE, PROF. FRANK W(ALDO). Economics. See L-Z Vol, 11th ed, Soc. & Behav. Vols. New publ: Co-auth, An economic history of the United States, South-West, Publ, 70. Address: 1540 N.W. Sixth Ave, Gainesville, Fla. 32601.
- TYLER, PROF. FORREST BROOKS. Psychology. See L-Z Vol, 11th ed, Soc. & Behav. Vols. New position & address: Prof. psychol. & dir. clin. training, 69-, Dept. of Psychology, University of Maryland, College Park, Md. 20742.
- TYLER, PROF. F(REDERICK) T. Educational Psychology. See L-Z Vol, 11th ed, Soc. & Behav. Vols. Correction in address: 3000 Beach Dr, Victoria, B.C., Can.
- TYNER, DR. FRED H, JR. Agricultural Economics. See L-Z Vol, 11th ed, Soc. & Behav. Vols. New position & address: Assoc. prof., 68-, Dept. of Agricultural Economics, Institute of Food & Agricultural Sciences, University of Florida, Gainesville, Fla. 32601.
- TYPPO, PROF. JOHN TAUNO. Human Nutrition, Biochemistry. See Suppl. VI to 11th ed, Phys. & Biol. Vols.

U

UBER, PROF. HARVEY A(UGUST). Geography, Geology. See 11th ed, Soc. & Behav. Vols, deceased 69.

UDRY, PROF. JOE RICHARD, b. Covington, Ky, Oct. 12, 28; m. 50; c. 2. SOCIOLOGY. B.S., Northwestern, 50; M.A., Long Beach State Col, 56; Ph.D. (sociol), Southern California, 60. Instr. sociol, Chaffey Col(Calif), 60-62; asst. prof. Calif. State Polytech. Col, 62-65; assoc. prof. SOCIOL. & MATERNAL & CHILD HEALTH, NORTH CAROLINA, CHAPEL HILL, 65-69. PROF., 69- U.S.M.C., 51-53, Sgt. Fel. Sociol. Assn; Pop. Assn; Am. Pub. Health Assn. Sociology of the family; bio-social aspects of reproduction and sexual behavior; evaluation of health programs. Publ: The social context of marriage, Lippincott, 66; co-auth, Distribution of coitus in the menstrual cycle, Nature, 11/68; auth, Divorce, In: Encyclopedia Americana, Americana Corp, 70. Address: Dept. of Sociology, University of North Carolina at Chapel Hill, Chapel Hill, N.C. 27514.

UEHLING, DR. BARBARA S(TANER). Experimental Psychology. See ARCHER, DR. BARBARA UEHLING, this Suppl.

UGELOW, DR. ALVIN, b. New York, N.Y., Aug. 22, 34. GENERAL & EDUCATIONAL PSYCHOLOGY. B.A., City Col. New York, 55; M.S., Pa. State, 57, Ph.D.(gen. psychol), 60. Res. psychologist, behav. sci. lab, Wright Patterson Air Force Base, 59-62; Burroughs Corp, 62-64; instr. psychol, Wayne State, 64-65; coordinator programmed media, OAKLAND COMMUNITY COL., 65-66; ASSOC. COL., 66- HEAD DEPT. BEHAV. SCI., 68- Psychol. Assn. Problems of motivation in programmed learning; teaching and effective personal adjustment; relevance in education; contribution of discussion groups to learning. Publ: Motivation and the automation of training;

a literature review, U.S. Air Force, 62; co-auth. Free association time as a function of word frequency, *Can. J. Psychol.* 57 & Proactive, retroactive and coactive inhibition with meaningful material, *Psychol. Reports*, 59. Address: Dept. of Behavioral Sciences, Oakland Community College, Union Lake, Mich. 48065.

UHES, DR. MICHAEL J. b. Detroit, Mich. Feb. 26, 41; m. 68. CLINICAL PSYCHOLOGY. B.S. Utah State, 62, Ph.D. (psychol), 68; M.A. New Hampshire, 64. Psychologist, Reception & Diagnostic Center, Joliet, Ill. 64-65; res. asst. PSYCHOL, Utah State, 66-68; ASST. PROF. CARROLL COL, 68-69; psychol, Wisconsin, Waukesha, 69. Summers, psychol. consult. Bur. Indian Affairs Counseling Workshop, Logan, Utah, 68; Peace Corps Training Progs, Palau & Yap Dist., Micronesia, 69. Psychol. Asn. Personality factors associated with creative ability; predictors of success in Peace Corps training; sources of gain in psychotherapy. Address: Dept. of Psychology, Carroll College, Waukesha, Wis. 53186.

UHL, PROF. KENNETH PAUL, b. Ames, Iowa, July 3, 31; m. 51; c. 8. ADMINISTRATION, MARKETING. B.Sc. Iowa, 53, M.A., 58, Ph.D. (bus. admin), 60. Asst. prof. statist. & mkt. Arizona, 59-60; mkt. Iowa, 60-63; asst. dean & assoc. prof. bus. admin, 63-64; vis. prof. mkt. Washington (Seattle), 64-65; assoc. prof. Iowa, 65-66; PROF. BUS. ADMIN, 66-67, chmn. dept. 66-68. Ford Found. & Found. Econ. Ed. fcls, summer 63. U.S.A.F. 53-55, 1st Lt. Mkt. Asn. Inst. Decision Sci. Marketing information and research: state and national taxes on advertising services: impact and influences. Publ. Co-auth, Marketing research: information system and decision making, Wiley, 69; auth, Shareowner brand preferences, J. Bus. Univ. Chicago, 1/62; co-auth, How are laggards different: an empirical study, J. Mkt. Res., 2/70. Address: College of Business Administration, University of Iowa, Iowa City, Iowa 52240.

UHL, DR. NORMAN P(AUL). Psychology, Education. See L-Z Vol, 11th ed, Soc. & Behav. Vols. New position & address: Res. psychologist, 69-, Educational Testing Service, Mutual Plaza, Durham, N.C. 27701.

UHLANER, DR. J(ULIUS) E(ARL). Psychology. See L-Z Vol, 11th ed, Soc. & Behav. Vols. Change of address: U.S. Army Behavioral Science Research Lab, Commonwealth Bldg, 1320 Wilson Blvd, Arlington, Va. 22209.

UHLNUTH, DR. E(BERHARD) H(ENRY). Psychiatry. See L-Z Vol, 11th ed, Soc. & Behav. Vols. New position & address: Assoc. prof, 68-, Dept. of Psychiatry, University of Chicago, 950 E. 59th St, Chicago, Ill. 60637.

UHLIG, DR. GEORGE, b. Fremont, Nebr., Dec. 29, 33; m. 65; c. 1. EDUCATIONAL PSYCHOLOGY & RESEARCH. B.S. Ed, Nebraska, 55, M.Ed., 60, Ed.D. (ed. psychol), 63. Instr. couns. high sch, Calif., 60-61; supr. pre-col. instr. Nebraska, Omaha, 61-64; asst. prof. psychol, U.S. Ed., East Ky. State Col., 64-65; ASST. PROF. ED. PSYCHOL, WISCONSIN-MILWAUKEE, 65-, DIR. RES. SCH. ED., 68-, chmn. dept. ed. psychol, 66-68. Summer lectr, Ohio State, 65. Consult; Nebr. Human Resources Res. Found., 64-70; Ed. Systs. Contr. D.C., 66-70; Ed. Planning Cmn, Ministry Ed., Venezuela, 68; Wis. Higher Ed. Aids Bd., 69-70; U.S. Dept. Defense, summer 66. U.S.A., 55-57. Psychol. Asn.; Personnel & Guid. Asn.; Ed. Res. Asn. Latent structural analysis, program evaluation and econometric models for education. Publ. Co-auth, Aspirations of selected Appalachia youth, Personnel & Guidance J., 1/67 & Attitude toward cheating and opportunistic behavior, J. Ed. Res., 5-6/67. Address: 6362 W. Cloverleaf Lane, Brown Deer, Wis. 53223.

ULEMAN, DR. JAMES STEPHEN, b. Pittsburgh, Pa., Aug. 12, 39; m. 62; c. 3. PERSONALITY. B.A., Michigan, 61; Nat. Inst. Ment. Health traineeship, Harvard, 61-65, Ph.D. (soc. psychol), 66. ASST. PROF. PSYCHOL, MICH. STATE, 65- Nat. Insts. Health res. grants, 67-68. AAAS; Psychol. Asn.; Soc. Psychol. Statist. Issues; Human motivation, especially regarding interpersonal influence and power; verbal behavior; projective tests; personality assessment; social conditioning and the role of motivation and awareness in such problem solving. Address: Dept. of Psychology, Michigan State University, East Lansing, Mich. 48823.

ULIBARRI, DR. RICHARD O(NOFRE). Latin American & American History. See 5th ed, Dir. Am. Scholars, Vol. I, Hist.

ULLMAN, DR. ALBERT D(ANIEL). Sociology. See L-Z Vol, 11th ed, Soc. & Behav. Vols. New position: Sr. v-pres. & provost, 68-, Tufts University, Medford, Mass. 02155.

ULLMANN, DR. CHARLES A(LEXANDER). Psychology. See L-Z Vol, 11th ed, Soc. & Behav. Vols. New position: Dir. counseling, transitional manpower progs, Off. Secy. of Defense. Address: 3401 N. Randolph St, Arlington, Va. 22207.

ULLRICH, DR. HELEN. Linguistics, Anthropology. See Suppl. 1 to 5th ed, Dir. Am. Scholars.

ULMER, PROF. MELVILLE J(ACK). Economics. See L-Z Vol, 11th ed, Soc. & Behav. Vols. New publ. Th. in Econ. state: U.S.A., Houghton, 69. Address: 10401 River Rd, Potomac, Md. 20854.

ULMER, DR. RAYMOND ARTHUR. Clinical Psychology. See L-Z Vol, 11th ed, Soc. & Behav. Vols. New position & address: Res. & training psychologist, Camarillo State Hospital, Camarillo, Calif. 93010.

UNDERWOOD, DR. JANE HAINLINE, b. Ft. Bliss, Tex., Oct. 30, 31; m. 68; c. 3. ANTHROPOLOGY. B.A., California, Riverside, 60, M.A., Los Angeles, 62, Woodrow Wilson fel. & Ph.D. (anthrop), 64. Lectr. ANTHROP, California, Riverside, 62-63; asst. prof., 63-65, res. asst. prof., 65-66, asst. prof., 66-68; ASSOC. PROF. ARIZONA, 68-. Res. grants, Soc. Sci. Res. Coun, summer 64, 69 & Nat. Sci. Found., 65-67. Chmn. task force anthropol. data processing, human adaptability sect. Int. Biol. Prog., 67- AAAS; fel. Anthropol. Asn.; Phys. Anthropol. Brit. Soc. Study Human Biol. Population genetics and human ecology; Pacific Islands peoples and culture; demography and population studies. Publ. Culture and biological adaptation, Am. Anthropologist, 65. Population and genetic (serological) variability in Micronesia, *Annals N.Y.*

Acad. Sci., 66; Preliminary investigations in the demography and ecology of the Yap Islands, Micronesia, 69. Address: Dept. of Anthropology, University of Arizona, Tucson, Ariz. 85721.

UNDERWOOD, PROF. KENNETH W. Social Ethics, History. See 5th ed, Dir. Am. Scholars, Vol. IV, Philos., Relig., & Law.

UNGER, PROF. PETER (KENNETH). Philosophy. See 5th ed, Dir. Am. Scholars, Vol. IV, Philos., Relig., & Law.

UNO, DR. TADAO, b. Santa Maria, Calif., Nov. 4, 38; m. 67. EXPERIMENTAL PSYCHOLOGY. A.B. California, Los Angeles, 60; M.A., Southern California, 63, Ph.D. (psychol), 66. ASST. PROF. PSYCHOL, BAYLOR, 66- Exp. psychol. consult, Waco Vet. Admin. Hosp., Tex. 67-70. AAAS; Psychol. Asn.; Soc. Psychophysiol. Res. Psychophysiology; classical conditioning; automatic response characteristics of psychopathy. Publ. Co-auth, Autonomic component of orienting behavior, 65 & Counterconditioning: fear and relaxation, 68, Psychophysiology; auth, Interceptive conditioning of the galvanic skin response, *Am. Psychol.* Asn. Proc., 69. Address: Dept. of Psychology, Baylor University, Waco, Tex. 76703.

UNTERMEIER, PROF. WAYNE W(HITLOCK). Anthropology, Public Administration. See L-Z Vol, 11th ed, Soc. & Behav. Vols. New information: Also dean acad. planning, 69-, California State College at Fullerton, 800 N. State College Blvd, Fullerton, Calif. 92631.

UPCHURCH, DR. HARLEY MASON. Sociology. See L-Z Vol, 11th ed, Soc. & Behav. Vols. New position & address: Asst. prof., 69-, Dept. of Sociology & Anthropology, Northern Illinois University, De Kalb, Ill. 60115.

UPPER, DR. DENNIS, b. Cleveland, Ohio, July 14, 42; m. 67. CLINICAL PSYCHOLOGY. B.A., Yale, 64; M.A., Cincinnati, 66; Ph.D. (psychol), Case Western Reserve, 69. COORDINATOR BEHAV. THER. UNIT, VET. ADMIN. HOSP., BROCKTON, MASS., 69- Psychol. Asn. Behavior therapy techniques; modification of smoking behavior; verbal conditioning; process and reactive schizophrenia; token economies. Publ. Co-auth, Brain damage, schizophrenia and five MMPI items, *J. Clin. Psychol.*, 68. Address: 190 Cross St., Brockton, Mass. 02401.

UPTON, PRES. MILLER, b. New Orleans, La., Dec. 27, 16; m. 42; c. 3. FINANCE, EDUCATIONAL ADMINISTRATION. B.B.A., Tulane, 38; Jerome Jones scholar, & M.B.A., Harvard, 40; Arthur W. Newton & univ. fcls. & Ph.D. (finance), Northwestern 48; LL.D., Lawrence, 65; Monmouth Col., 66; Ripon Col., 67; L.H.D., Loyola (Ill.), 68. Off. mgr. col. commerce & bus. admin, Tulane, 38-39; instr. econ., Lake Forest Col., 40-43; soc. group worker, Kingsley House Settlement, New Orleans, 43-44; asst. econ. Northwestern, 44-45, instr. finance, 46-48, asst. prof., 48-50; assoc. prof., Washington (St. Louis), 50-54, dean sch. bus. & pub. admin, 51-54; PRES. BELLOIT COL., 54-59, Wis. Continuing Revenue Survey Cmn., 59-60; past pres, Wis. Found. Independent Cos; dir., Home Life Ins. Co. of N.Y.; Household Finance Co. Trustee, Midwest Res. Inst. Mem., adv. bd., Am. Effective Law Enforcement, Inc. Econ. Asn.; Statist. Asn.; Finance Asn. (pres, 56). Publ. Co-auth, Introduction to business finance, McGraw, 53. Address: Beloit College, Beloit, Wis. 53511.

URBANSKI, DR. EDMUND STEPHEN. Foreign Languages. See 5th ed, Dir. Am. Scholars, Vol. III, For. Lang., Ling., & Philol.

URSULA, SISTER MARY, R.S.M. Geography. See HAU, SISTER MARY URSULA, R.S.M., this Suppl.

USDANE, DR. WILLIAM M(ILLER). Psychology. See L-Z Vol, 11th ed, Soc. & Behav. Vols. New position: Dir. off. res., U.S. Dept. of Labor, 69- Address: 700 Seventh St, S.W., Washington, D.C. 20024.

USHER, PROF. DAN. Economics. See L-Z Vol, 11th ed, Soc. & Behav. Vols. New position: Prof. Dept. of Economics, Queens University, Kingston, Ont., Can.

UVACEK, DR. EDWARD, JR. b. Newark, N.J., Sept. 12, 30; m. 59; c. 3. AGRICULTURAL ECONOMICS. B.S. Rutgers, 52, M.S., U.S. Dept. Agr. Grad. Sch., 58; Armour & Co. Mgt. Oper. Course Execs, 60; Ph.D. (agr. econ), Texas A&M, 67. Res. asst. animal husbandry, Rutgers, 54-56; agr. economist, U.S. Dept. Agr., Wash., D.C. & Calif., 56-59; commodity analyst, Armour & Co., Ill., 59-61; livestock mkt. specialist, agr. econ. exten., TEXAS A&M, 61-63, asst. prof. agr. econ., 63-67, ASSOC. PROF. AGR. ECON. & EXTEN. LIVESTOCK INST. SPECIALIST, 67- Economist, U.S. Livestock consult. U.S. Agency Int. Develop., Panama, 62, Korea, 63, Dir. West Res. Inst., 60- U.S.A.F., 52-54; Res., 54-68, 1st Lt. Agr. Econ. Asn.; Int. Asn. Agr. Econ.; Mkt. Asn. Economic analysis on pricing, grading, reporting and regulation of livestock and meat industry, including agri-business feasibility studies; development of new equations for more accurate forecasting of livestock supplies and prices. Publ. Co-auth, Pricing and competition of beef in Los Angeles, U.S. Dept. Agr., 60; auth, Economic trends in Texas cattle feeding, Texas A&M Univ., 66; A new look at demand analysis for beef, *Am. J. Agr. Econ.*, 12/68. Address: Dept. of Agricultural Economics, Texas A&M University, College Station, Tex. 77840.

V

VACCARO, DR. J(OSEPH) JOHN. Clinical Psychology. See L-Z Vol, 11th ed, Soc. & Behav. Vols. New information: Assoc. conf. grad. div. pastoral counseling, Iona Col., 69-; dir., Park Ave. Consult. Center, Address: 5 Dartmouth St, Forest Hills Gardens, N.Y. 11375.

VAIL, PROF. JAMES P(ATRICK). Sociology. See L-Z Vol, 11th ed, Soc. & Behav. Vols. New information: Also dir. undergrad. curriculum & teaching div., grad. sch. ed., Fairfield, 69- Address: 88 Knollwood Dr., Fairfield, Conn. 06430.

- VAJDA, PROF. EMIL H. b. Milwaukee, Wis. Oct. 13, 26; m. 60; c. 3. SOCIOLOGY. B.S. Wisconsin, Madison, 50; M.A. Chicago, 52; Ph.D. (sociol.), 60. Supvr., Milwaukee Gaslight Co. 60-63; asst. prof. sociol., Wisconsin State-Oshkosh, 63-65; assoc. prof. & head dept. Bethany Col. (W.Va.), 65-67; PROF. SOCIOLOGY & HEAD DEPT., NORTHERN MICHIGAN, 67- Summer, vis. lectr., Alberta, 66. U.S.A. 44-46. Fel. Sociol. Assn; Statist. Assn; Pop. Assn. Am. Demography, urban sociology. Publ: The professionals view society, Simon & Schuster, 69. Address: Dept. of Sociology, Northern Michigan University, Marquette, Mich. 49855.
- VALENTINE, DR. CHARLES A. b. Princeton, N.J. May 29, 29; m. 62; c. 1. ANTHROPOLOGY. B.A. Pennsylvania, 51; M.A. 53, Ph.D. (anthrop.), 58; Fulbright scholar, Australian Nat. Univ. 54-55, 55-56. Asst. prof. ANTHROPOLOGY, Kansas, 58-60; Mellon fel., Pittsburgh, 60-61; asst. prof., Washington (Seattle), 61-65; RES. PROF., WASHINGTON (St. Louis), 65- Vis. scholar, Fisk, 68; prin. invest., Nat. Inst. Ment. Health grant, 69-70; Nat. Sci. Found. grant, 70. Del. White House Conf. Civil Rights & Cong. Racial Equality Nat. Convention, 66. AAAS; fel. Anthropol. Assn. Contemporary racial diversity and change in complex societies composed of historically distinct peoples; social movements for cultural innovation and revitalization; ethnographic and ethnohistorical research, especially Oceania and New World systems. Publ: Culture and poverty: critique and counterproposals, Univ. Chicago, 68; Social status, political power, and native responses to European influence in Oceania, Anthropol. Forum, 1, 2-55; co-auth. Making the scene, digging the action, and telling it like it is: anthropologists at work in a dark ghetto, In: Afro-American anthropology: contemporary perspectives, Free Press, 70. Address: Dept. of Anthropology, Washington University, St. Louis, Mo. 63130.
- VALENTINE, PROF. MILTON ALBERT. Speech, Communication. See 5th ed, Dir. Am. Scholars, Vol. II, Eng. Speech & Drama.
- VAN ALSTYNE, PROF. ARVO. Law. See 5th ed, Dir. Am. Scholars, Vol. IV, Philos. Relig. & Law.
- VAN ATTA, DR. RALPH EDWARD, b. Columbus, Ohio, July 24, 33; m. 62; c. 3. CLINICAL & COUNSELING PSYCHOLOGY. B.Sc., Ohio State, 55, M.A., 60, Ph.D. (guid. & counseling), 64. Intern counseling psychol., counseling center, Ohio State, 62-63; clin. psychol., Norwich Hosp., 63-64; asst. prof. psychol. & psychologist, counseling & testing center, Texas, Austin, 64-68; ASSOC. PROF. PSYCHOL. & RES. COORDINATOR, COUNSELING CENTER, SOUTHERN ILLINOIS, 69. Clin. psychologist, Austin Neuro-psychiat. Clin., 66-69. Psychol. consult, Vet. Admin. Hosp., Tex., 67-69. U.S.A. 55-57, 1st Lt. AAAS; Psychol. Assn; Asn. Adv. Behav. Ther. Personality and psychotherapy. Publ: A method for the study of clinical thinking, 13: 259-265 & Excitatory and inhibitory effect of various methods of observation in counseling, 16: 433-439. J. Counsel. Psychol., Co-therapy as a supervisory process, Psychother. Theory Res. & Practice, 6: 137-139. Address: 1002 Skyline Dr., Carbondale, Ill. 62901.
- Van BEEK, DR. GUS W (WILLARD). Near Eastern Archaeology. See 5th ed, Dir. Am. Scholars, Vol. I, Hist.
- VANCE, DR. BARBARA JANE, b. Salt Lake City, Utah, Mar. 5, 34. COUNSELING PSYCHOLOGY. B.A. Utah, 56; M.S., Brigham Young, 59; Henry Newell fel., Stanford, 64-65, Ph.D. (counseling psychol.), 67. Instr. human develop. & family rels., Brigham Young, 59-62; early childhood ed., Eliot-Pearson Dept. Child Study, Tufts, 62-63; res. asst. counseling psychol., Stanford, 66-67; ASST. PROF. CHILD DEVELOP. & FAMILY RELS., BRIGHAM YOUNG, 67- Presch. supvr., Fremont Unified Sch. Dist. & lectr. child develop., San Jose State Col., 66-67; U.S. Off. Ed. grant, 70-71. Psychol. Assn; Soc. Res. Child Develop. Behavior modification in prekindergarten children; instructional methods with prekindergarten children. Publ: Social learning theory and guidance in early childhood, Young Children, 65 & The counselor—an agent of what change?, Personnel & Guid. J., 67; Modifying hyperactive and aggressive behavior, In: Behavioral counseling, Holt, 69. Address: Dept. of Child Development & Family Relationships, Brigham Young University, Provo, Utah 84601.
- VANCE, DR. WILLIAM BROOKS. Physiological Psychology. See Suppl. V to 11th ed, Phys. & Biol. Vols.
- VAN COTT, DR. HAROLD P (ORTER). Experimental Psychology. See L-Z Vol. 11th ed, Soc. & Behav. Vols. New position & address: Dir. off. commn. 68-, American Psychological Association, 1200 17th St., Washington, D.C. 20036.
- VANDE GUCHTE, PROF. MARTEN. Speech, Speech & Hearing Science. See 5th ed, Dir. Am. Scholars, Vol. II, Eng. Speech & Drama.
- VANDER, PROF. HARRY J (JOSEPH), III. Geography, Social Science. See 11th ed, Soc. & Behav. Vols., deceased 69.
- VANDERMEULEN, DR. ALICE JOHNN. Economics. See L-Z Vol. 11th ed, Soc. & Behav. Vols. New information: Ed. West. Econ. J., 69- Address: Dept. of Economics, University of California, Los Angeles, Calif. 90024.
- VAN DER SPEK, DR. P (ETER) G (EORGE). Economics. See L-Z Vol. 11th ed, Soc. & Behav. Vols. New position: Int. economist, Fed. Reserve Bank of N.Y., 70- Address: Rockledge House, 177 E. Hartsdale Ave., Hartsdale, N.Y. 10530.
- VAN DER VEEN, DR. FERDINAND, b. Amsterdam, Netherlands, Mar. 24, 30; U.S. citizen; m. 57; c. 3. PSYCHOLOGY. B.S., Ohio State, 52; Ph.D. (psychol.), Chicago, 58. Intern psychotherapy, counseling center, Univ. Chicago, 54-55; counselor, Chicago Teacher's Col., 57; teacher, Chicago City J. Col., 57-58; fel. psychol., sch. med. Wisconsin, 58-59; res. assoc. psychiatrist, inst. 59-63; chief psychologist, dept. child psychiat., Greater Kansas City Ment. Health Found., 63-65; asst. prof. psychol., Kansas, 65-67; Nat. Inst. Ment. Health grant, INST. JUVENILE RES., 67-69; SR. RES. SCIENTIST & SUPVR. DIV. CLIN. RES., 69- Clin. psychologist Dean County
- Guid. Center, 59-63; Nat. Inst. Ment. Health grant, 67-68. Consult, Vet. Admin., 66- Dipl. Am. Bd. Prof. Psychol., 69. Psychol. Assn; Acad. Psychother. Research on the treatment of families with problem children, on the process of psychotherapy, and the development of the Family Concept Test. Publ: The parent's concept of the family unit and child adjustment, J. Counseling Psychol., 65; Basic elements in the process of psychotherapy, J. Consult. Psychol., 67; The effects of the therapist and the patient on each other, In: The therapeutic relationship and its impact, Univ. Wis. 67. Address: Research Program, Institute for Juvenile Research, 232 E. Ohio St., Chicago, Ill. 60611.
- VANDEZANDE, THOMAS J (ULES). Computer Engineering, Mathematics. See Suppl. VI to 11th ed, Phys. & Biol. Vols.
- VAN DORN, PROF. HAROLD A (RCHER). Political Science. See L-Z Vol. 11th ed, Soc. & Behav. Vols. Change of address: West Cornwall, Conn. 06796.
- VAN DUSEN, DEAN C (LARENCE) RAYMOND. Speech Pathology. See 11th ed, Phys. & Biol. Vols.
- VAN HOEY, DR. LEO FRANS. Sociology. See L-Z Vol. 11th ed, Soc. & Behav. Vols. New position: Assoc. prof. social. & urban studies, Lehigh, 69- New publ: Co-auth. The new urbanization, St. Martin's, 69 & The concept of community, Aldine, 70. Address: Dept. of Social Relations, Lehigh University, Bethlehem, Pa. 18015.
- VAN HORN, DR. RICHARD LINLEY. Management & Information Sciences. See L-Z Vol. 11th ed, Soc. & Behav. Vols. New information: Also assoc. dean, 69- Graduate School of Industrial Administration, Carnegie-Mellon University, Pittsburgh, Pa. 15213.
- VAN HUICK, ALFRED PHILLIPS, b. New York, N.Y. Jan. 22, 33; m. 55; c. 2. SOCIOLOGY, URBAN PLANNING. B.A., Dartmouth Col., 55; Nat. Sears Roebuck fel., North Carolina, 56-60, M.R.P. 60. Dir. planning & urban renewal, Herbert H. Smith Assocs., West Trenton, N.J. 59-63; chief planner urban renewal, Ford Found. Planning Adv. Group, India, 63-67; PRES. PADCO, INC., 67- Ord. C. U.S.A. 55-57, 1st Lt. Inst. Planners; Int. Fedn. Housing & Planning; Soc. Int. Develop. Sociological and public administration aspects of housing for lower income groups. Publ: Co-auth. The citizen's guide to urban renewal, Chandler-Davis, 62 & Urban planning in the developing countries, Pergamon, 68; chap. In: Taming megacities, Anchor Books, 66. Address: PADCO, Inc., 1211 Connecticut Ave. N.W., Washington, D.C. 20036.
- VANLANDINGHAM, DR. JANICE, b. Chicago, Ill., Aug. 21, 41; m. 67; c. 1. SOCIOLOGY. B.S. Western Kentucky, 63; Nat. Defense Ed. Act fel. Miss. State, 63-66, M.A., 65, Ph.D. (sociol.), 68. ASST. PROF. SOCIOLOGY, AUBURN, 68-, consult. sch. ed. jr. col. leadership prog., 69. Sociol. Assn; Rural Sociol. Soc. Industrial and occupational sociology; mass communications and social stratification. Address: Dept. of Sociology, Auburn University, Auburn, Ala. 36830.
- VAN MANEN, DR. GLORIA COUNT, b. LaCrosse, Wis., June 7, 22; m. 51; c. 1. SOCIOLOGY. B.S., Minnesota, 43, M.A., La. State, 46; Nat. Inst. Ment. Health fel., Gardner fel. & Ph.D. (sociol.), Chicago, 67. Soc. economist, bur. labor statist., U.S. Dept. Labor, 45-48; info. specialist econ. off. spec. rep. Econ. Coop. Admin., 49-52; res. asst. sociol., Univ. Chicago, 55-58; prog. evaluator juvenile delinquency, Youth Cmn., 59-61; res. assoc., Joint Urban Develop. Cmt., 61-63; ASST. PROF. SOCIOLOGY, N. Cent. Col., 63-66; Texas Woman's Univ., 66-67; HOWARD, 67- Consult, Univ. Chicago, 55-56, self eval. adult ed. center, 62-63; Chicago Area Proj. for Workers Ment. Health, Roosevelt Univ., 63-65; Efforts for Ex-Convicts, 69- Sociol. Assn; Soc. Study Social Probs; Int. Soc. Criminol. Deviance: socialization process and relationship to deviance, interpersonal family patterns and types of deviance, cross-cultural city comparisons of deviance patterns and interaction of deviant and legitimate role access; evaluation of half-way house for criminals run by ex-criminals. Publ: Co-auth. Group structure and interpersonal creativity, Soc. Forces, 60; auth. Father roles and adolescent socialization, Adolescence, 68 & Singapore: a deviant case of deviance, Crime & Soc., 70. Address: 1054 Bellview Rd., McLean, Va. 22101.
- VAN MONDFRANS, DR. ADRIAN PETER, b. Salt Lake City, Utah, Nov. 12, 37; m. 61; c. 2. EDUCATIONAL PSYCHOLOGY, PSYCHOLOGY. B.S. Utah, 63, M.A., 64; Ph.D. (ed. psychol.), Wisconsin, 67. ASST. PROF. ED. PSYCHOL. & PSYCHOL., PURDUE, 67- Psychol. Assn; Ed. Res. Assn; Nat. Coun. Measurement in Ed. Audio-tape information transmission; feedback systems in teacher education, and teacher training. Publ: Co-auth. Learning of redundant material presented through two sensory modalities, Perceptual & Motor Skills, 19: 743-751 & Paired-associate learning within and across sense modalities and involving simultaneous and sequential presentations, Am. Ed. Res. J., 3/65; auth. Student attitudes and achievement in an educational psychology course after micro-teaching, Ed. Psychologist, 3/69. Address: 1005 Devon St., West Lafayette, Ind. 47906.
- VANN, DR. CARL ROBERT. Political Science. See L-Z Vol. 11th ed, Soc. & Behav. Vols. New information: Also faculty chmn., Allport College of Behavioral Science, Oakland University, Rochester, Mich. 48063.
- VAN PELT, DR. NEWELL, b. Wellington, Tex. Oct. 20, 32; m. 56; c. 3. PSYCHOLOGY, GUIDANCE & COUNSELING. B.S., North Texas State, 57, M.S., 58; Ed.D. (psychol., guid. & counseling), New Mexico, 65. Teacher, Gattis Jr. High Sch., N.Mex., 58-59, couns., 59-61; consult. pub. schs., Albuquerque, 62-63; head couns., high schs., Las Cruces, 63-64; dir. guid. serv. pub. schs., 64-66; dean of men, ADAMS STATE COL., 66-68, COORDINATOR COUNSEL, ED., 68- Mem. task force to study & improve pub. sch. sup., San Luis, Colo., 69- Cert. sch. psychologist, Colo., 67- U.S.N., 53-55. Personnel & Guid. Assn; Nat. Voc. Guid. Assn. Multiple regression and correlational analysis as related to behavior, creativity and learning. Publ: Creativity as related to academic achievement in the elementary grades, Clearing House, 11/66;

- The Edwards personal preference record and residence hall counseling success, *Student Housing Res. Bull.* 12/68. Address: ES 201, Adams State College, Alamosa, Colo. 81101.
- VAN SEVENTER, DR. A. b. Amsterdam, Netherlands, 1913; U.S. citizen. BUSINESS ADMINISTRATION. B.A., Amsterdam, 34; M.B.A., Stanford, 49; Lybrand & Bell, Michigan, 65, Ph.D.(acct), 66. Instr. acct, Anchorage Community Col., 54-62; Cleary Col., 63; Michigan, 63-66; ASSOC. PROF. BUS. ADMIN., SAN JOSE STATE COL., 66. Partner, Beaver & Van Seventer, 50-62; vis. lectr., Eastern Michigan, 63. A.A.A.S. History of accounting; accounting theory; international accounting. Publ. The continuity postulate in the Dutch theory of business income, *Int. J. Acct. Ed. & Res.* spring 69. Address: Dept. of Business Administration, San Jose State College, San Jose, Calif. 95114.
- VAN SISE, PROF. KENNETH E. Economics, Marketing. See L-Z Vol, 11th ed, Soc. & Behav. Vols. New position & address: Prof. econ. & chmn. private enterprise, 68-, Samford University, 800 Lakeshore Dr, Birmingham, Ala. 35205.
- VAN TASSEL, PROF. ALFRED J(AMES). Economics, Conservation. See L-Z Vol, 11th ed, Soc. & Behav. Vols. New position: Assoc. prof. mgt. & mkt, Hofstra, 69-. Address: 2 Hemlock Lane, Glen Cove, N.Y. 11542.
- VAGAR, DR. NASROLLAH. Economics. See L-Z Vol, 11th ed, Soc. & Behav. Vols. New information: On leave from Portland State Univ. to Iran, 70-71. Address: Sana-ee Ave, Meydane Sana-ee, 7 Vaqar St, Tehran Iran.
- VARDARIS, DR. RICHARD M(ILES). b. Lakewood, Ohio, Nov. 28, 34. PSYCHOLOGY, NEUROPSYCHOLOGY. B.A., Western Reserve, 62; Iowa, 62-64; M.S. & Ph.D.(psychol), Oregon, 68. ASST. PROF. PSYCHOL, KENT STATE, 67-. U.S.A.F. 53-57. A.A.S. Neurophysiological basis of learning and motivation. Publ. Co-auth. Classical conditioning of heart-rate deceleration in the rat with continuous and partial reinforcement, *Psychonomic Sci.* 6: 437-438; co-auth. Effects of partial reinforcement followed by continuous reinforcement on classically conditioned heart-rate in the dog, 62: 483-486 & auth. The effects of partial reinforcement on a classically conditioned eyelid response in dogs, 67: 531-534, *J. Comp. & Physiol. Psychol.*; plus others. Address: Dept. of Psychology, Kent State University, Kent, Ohio 44240.
- VARGAS, DR. ROBERT. b. Key West, Fla., Jan. 28, 38; m. 60. COUNSELING PSYCHOLOGY, PSYCHOLOGICAL. B.Ed. Miami, 62, B.A., 63, M.Ed., 64; M.S. Barry Col., 64; fel. Florida, 65-66, Ph.D.(counseling), 68; D.Sc. Ohio Christian Col., 68. Counselor, Miami-Dade Jr. Col., 64-65; consult, Kirby Elem. Sch., Gainesville, 65-66; counselor-to-residence, div. housing, Univ. Florida, 66-67, head counselor, 67-68, superv. grad. practicum, dept. student personnel serv., 67, sr. res. assist. commun. sci. lab. 68; dean student personnel serv., Southeast Community Col., N.C., 68-69; COUNSELOR, COUNSELING CENTER, CATONSVILLE COMMUNITY COL., 69-. Instr. Santa Fe Jr. Col., Fla., 66-67; Nat. Inst. Health grant, Florida, 69. Nat. Endowment for Humanities consult, Southeast Community Col., N.C., 69. Psychol. Assn.; Personnel & Guid. Assn.; Ed. Res. Assn.; Acad. Polit. & Soc. Sci. Voice qualities and personality characteristics; characteristics of healthy personality as a function of positive experiencing and behaving; effective counseling outcomes as a function of counselor behavior in the counseling process. Address: Counseling Center, Catonsville Community College, 800 S. Rolling Rd., Catonsville, Md. 21228.
- VARGO, DR. STEVEN W. b. Whiting, Ind., Sept. 9, 31; m. 57; c. 3. AUDIOL-OGY, SPEECH PATHOLOGY. B.S. Indiana State, 54; M.S., Purdue, 57; Ph.D. (audiol), Indiana, 65. Asst. prof. AUDIOL., ILLINOIS STATE, 65-69, ASSOC. PROF. 69-. U.S.A., 54-56. Speech & Hearing Assn.; Int. Soc. Audiol. Analyses of behavioral functioning on auditory stimulus tasks, especially as they apply to the diagnosis and rehabilitation of the hearing impaired. Publ: Speech intelligibility of deaf adolescents, *Int. Audiol.* 7/68; co-auth. Intelligibility of speech of hearing aids on induction loss, *J. Speech & Hearing Res.* 3/69. Address: 1202 Spear Dr, Normal, Ill. 61761.
- VARNER, DR. NELLIE M. Political Science. See L-Z Vol, 11th ed, Soc. & Behav. Vols. Change of address: 23237 W. Eight Mile Rd, Detroit, Mich. 48219.
- VARNEY, DR. H(ARRY) R(OSS). Agricultural Economics. See L-Z Vol, 11th ed, Soc. & Behav. Vols. New position: Agr. attaché, for. agr. serv. U.S. Dept. Agr., Turkey, 69-. Address: American Embassy, A.P.O. New York 09254.
- VARON, COMDR. MYRON I(ZAK) U.S.N. Radiation Biology, Medicine. See Suppl. V to 11th ed, Phys. & Biol. Vols.
- VASLEF, DR. NICHOLAS P. Slavic Languages & Literatures. See 5th ed, Dir. Am. Scholars, Vol. III, For. Lang. Ling. & Philol.
- VASTOKAS, DR. JOAN M. b. Toronto, Ont., Apr. 20, 38; m. 59. ANTHRO-POLOGY, ART HISTORY. B.A., Toronto, 60; Queen Elizabeth II Ont. fel., 60-61, M.A., 61; Can. Coun. fcls, Columbia, 62-64, Ph.D.(art hist, archaeol), 66. Vis. lectr. art hist, New Mexico, summer 65; lectr. anthropol., Toronto, 65-66, lectr. anthropol. & fine art, 66-67, ASST. PROF. 67-70; ANTHROP. TRENT, 70-. Res. assoc. ethno. Royal Ont. Mus., Toronto, 67-; occasional lectr. & consult. for Nat. Gallery Can., 67-; Can. Coun. Sci. & Humanities res. grant, 70-71. Soc. Ethnohist; Univ. Art Assn. Can.; fel. Royal Anthropol. Inst. Gt. Britain & Ireland. Art and architecture of the Northwest coast Indians; petroglyphs of the Canadian shield; arts of Africa, Oceania and America. Publ: The relation of form to iconography in Eskimo masks, *The Beaver*, autumn 67; Review article: art and anthropology, *J. Can. Studies*, 68; Architecture and environment: the importance of forests to the Northwest coast Indians, *Forest Hist.* 10/69. Address: Dept. of Anthropology, Trent University, Peterborough, Ont., Can.
- VATTANO, DR. FRANK J(ORHN). Psychology. See L-Z Vol, 11th ed, Soc. & Behav. Vols. New position & address: Dir. 69-, Office of Instructional Development, Colorado State University, Ft. Collins, Colo. 80521.
- VATTER, DR. ETHEL L. Economics. See L-Z Vol, 11th ed, Soc. & Behav. Vols. New information: Also assoc. dean grad. ed. & res, 69-, College of Human Ecology, Cornell University, Ithaca, N.Y. 14850.
- VAUGHAN, PROF. DONALD S(HORES). Political Science. See L-Z Vol, 11th ed, Soc. & Behav. Vols. New information: Also acting chmn. dept. polit. sci., Mississippi, 68-. Address: Box 72, University, Miss. 38677.
- VAUGHAN, DR. FREDERICK. b. Dartmouth, N.S., Apr. 19, 35; m. c. 1. POLITICAL SCIENCE & PHILOSOPHY. B.A., St. Mary's (N.S.), 56; M.A., Gonzaga, 61; M.A., Chicago, 64, Ph.D.(polit. sci.), 67. Summer lectr. polit. philos., St. Mary's, 63; POLIT. SCI., Royal Mil. Col. (Ont.), 65-66; ASST. PROF. GUELPH, 66-. Can. Coun. grant, 68-69. Can. Polit. Sci. Assn. Constitutional law; jurisprudence. Publ: Co-auth. Contemporary issues, *Prentice-Hall*, 70; auth. *La scienza nuova: orthodoxy and the art of writing*, *Forum Italicum*, 68. Address: Dept. of Political Science, University of Guelph, Guelph, Ont., Can.
- VAUGHAN, DR. JAMES AGNEW. Organizational Behavior. See L-Z Vol, 11th ed, Soc. & Behav. Vols. New publ: Co-auth. Banking computer style: the impact of computers on small and medium sized banks, *Prentice-Hall*, 69. Address: Dept. of Business Administration, University of Rochester, Rochester, N.Y. 14627.
- VAUGHAN, PROF. OLIVE E(LIZABETH). Economics. See L-Z Vol, 11th ed, Soc. & Behav. Vols. Change of address: 245 E. 19th St, New York, N.Y. 10003.
- VAUGHAN, RICHARD PATRICK, S.J. Psychology. See L-Z Vol, 11th ed, Soc. & Behav. Vols. New position & address: Prov. for ed., 69-, Province of California, Jesuits, P.O. Box 519, Los Catos, Calif. 95303.
- VAUGHAN, DR. WILLARD S(TANLEY), JR. Psychology. See L-Z Vol, 11th ed, Soc. & Behav. Vols. Change of address: R.F.D. 3, P.O. Box 98C, Annapolis, Md. 21403.
- VAUGHN, PROF. DONALD EARL. Finance, Accounting. See L-Z Vol, 11th ed, Soc. & Behav. Vols. New position: Prof. finance, 69-, College of Business, Louisiana State University, Baton Rouge, La. 70803.
- VAUGHN, DR. J(AMES) A(BOTT). Economics. See L-Z Vol, 11th ed, Soc. & Behav. Vols. New information: Hon. Ed.D., Portia Law Sch., 68; J.D., Suffolk, 69. Address: 851 Cambridge St, Allston, Mass. 02134.
- VAYHINGER, DR. JOHN MONROE. Clinical Psychology. See L-Z Vol, 11th ed, Soc. & Behav. Vols. New position: Prof. psychol. pastoral care, Anderson Sch. Theol., 68-. Address: 1235 Favorite St, Anderson, Ind. 46013.
- VAZ, DR. EDMOND W. b. Montreal, Que., Sept. 17, 24; m. 49; c. 1. SOCIOLOGY. B.A., McGill, 51, M.A., 55; Ph.D.(sociol), Indiana, 65. Lectr. SOCIOL., McMaster, 62-63; ASST. PROF. Central Michigan, 64-65; WATERLOO, 65-. Can. Coun. res. grants, 66, 68 & 69. R.C.A.F. 42-45, Flying Officer. Sociol. Assn.; Can. Sociol. & Anthropol. Assn. Juvenile delinquency; sociology of sports. Publ: Ed. Middle-class juvenile delinquency, Harper, 67; co-auth. Perspective on middle-class delinquency, *Can. J. Econ. & Polit. Sci.* 63; auth. Delinquency and the youth culture: upper and middle-class boys, *J. Criminal Law, Criminal. & Police Sci.* 69. Address: Dept. of Sociology, University of Waterloo, Waterloo, Ont., Can.
- VEAZIE, CARL (EDWARD). Economics, Business Administration. See L-Z Vol, 11th ed, Soc. & Behav. Vols. New position: Staff economist, pub. affairs res. center, Bowdoin Col., 68-. Address: 10 Shulman Dr, Brunswick, Maine 04011.
- VECELIUS, GARY STOCKTON. b. Glen Ridge, N.J., Oct. 16, 30; m. 51; c. 1. ANTHROPOLOGY, ARCHAEOLOGY. A.B., Yale, 52; univ. scholar, Michigan, 52-53, M.A., 54; Fulbright fela, San Marcos Univ., Lima, 58-60; Ogden Mills fel., Ann. Mus. Natural Hist. New York, 65-66. Res. assist. anthropol., Human Relat. Area Files, Yale, 55-56; instr. Monterey Peninsula Col. (Calif.), 57-58; res. assoc. Inst. Ethnol. & Archaeol., San Marcos Univ., Lima, 58-60; dir. explor. Inst. Archaeol. & Ethnol., Univ. San Augustin, Peru, 60-61; res. assoc. ANTHROP., Cornell, Lima & Vicos, Peru, 61-65; vis. lectr., Illinois, Urbana, 67; LECTR., QUEENS COL. (N.Y.), 67-. Field assoc. anthropol., Peabody Mus. Natural Hist., Yale, 51; res. assist. Mus. Anthropol., Univ. Michigan, 52-54. Archaeologist, Lab. Anthropol., Mus. Mex., 53. Consult. archaeologist, Early Sites Found, N.H., 54-55; consult. Time, Inc., 66; Wenner-Gren Found. Anthropol. Res. Inc., 66-67. Satellite tracking observer, Smithsonian Astrophys. Observ., Arecibo Tracking Sta., Peru, 60-61. U.S.A., 56-58. Soc. Am. Archaeol., Ind. Andean Studies; Anthropol. Assn. Archaeol. Inst. Am. Geog. Soc. Prehistoric archaeology; prehistory and ethnography of South America, West Indies and northeastern United States; human ecology; archaeological methods and techniques; radiocarbon dating; history and geography of the Central Andes, particularly Peru. Publ: Mound 2 at Marksville, *Am. Antiquity*, 4/57; Archaeological sampling: a problem of statistical inference, *In: Essays in the science of culture*, Crowell, 60; Some new finds at San Nicolás, Nawa Paca, 63. Address: Dept. of Anthropology, Queens College, Flushing, N.Y. 11367.
- VEDDER, DR. RICHARD K(ENT), b. Urbana, Ill., Nov. 5, 40; m. 68. ECONOMICS. A.B. Northwestern, 62; M.A., Illinois, 63; M.D. (econ.), 65. Res. assoc. cmn. res. State Illinois, 62-63; asst. prof. ECON., OHIO, 65-69. ASSOC. PROF. 69-. Consult. Lindsay-Schwab Newspaper, Inc., 63-68. Am. Econ. Assn.; Econ. Hist. Assn.; Royal Econ. Soc. Economic history; settlement patterns of American immigrants and history of mobility of native Americans. Publ: The impact of the Federal Deposit Insurance Corporation on banking stability, *Proc. Bus. Hist. Conf.*, 68; co-auth. Some new findings on urbanization thesis, *Explor. Econ. Hist.* 70; settlement patterns of Canadian emigrants to the United States, *Can. J. Econ.* 8/70. Address: Dept. of Economics, Ohio University, Athens, Ohio 45701.
- VEENDORP, DR. EMEL C.H. Economics. See L-Z Vol, 11th ed, Soc. & Behav. Vols. New position: Assoc. prof., 69-, Dept. of Economics, Tulane University, New Orleans, La. 70118.

- VEIDEMANIS, DR. JURIS. Sociology. See L-Z Vol, 11th ed, Soc. & Behav. Vols. New information: Also chmn, 69-, Dept. of Sociology & Anthropology, Wisconsin State University, Oshkosh, Wis. 54901.
- VELK, DR. THOMAS JAMES. Economics. See L-Z Vol, 11th ed, Soc. & Behav. Vols. New information: Assoc. prof, McGill, 70-; spec. consult, Fed. Res. Bd. Gov. Wash, D.C., 70-; ed. consult, Continuing Mgt. Ed. Co., Pa. Address: Dept. of Economics & Political Science, McGill University, Montreal, Que, Can.
- VEMURI, DR. V. System Science, Computers. See Suppl. VI to 11th ed, Phys. & Biol. Vols.
- VENTURA, FRANK L. b. New York, N.Y., Feb. 26, 22; m. 43; c. 4. CITY PLANNING. B.S.S. City Col. New York, 50; M.C.P., California, Berkeley, 52. Jr. planner, planning dept, Westchester County, N.Y., summer 51; chief planner, Tulsa Metro. Planning Cmn, Okla., 52-54; planning dir., planning dept, Fayetteville, N.C., 54-56; Pawtucket, R.I., 56-59; planning & renewal dir., planning dept, Warren, Mich., 59-63; planning & renewal dept, Alexandria, Va., 63-65; Asst. Mgr., & v-pres, Geer Assoc., 65-67; SR. RES. PLANNER, TRANSPORTATION RES. DEPT., TECH. CENTR., GEN. MOTORS RES. LABS, 67- U.S.A., 43. Inst. Planners. Short range and long range planning for better urban communities; development of better analytical techniques for planning and evaluating transportation systems for present and future urban systems. Publ: A case history for a planned industrial park, Pawtucket, Rhode Island, Planning 1958, Am. Soc. Planning Officials, 58; A data processing system you can bank on, Am. City Mag., 1/66. Address: Transportation Research, Technical Center, General Motors Research Labs, Warren, Mich. 48090.
- VERBIT, DR. MERVIN F. b. Phila, Pa., Nov. 24, 36; m. 65. SOCIOLOGY, RELIGION. A.B. Pennsylvania, 58, univ. & G.L. Harrison scholars, 58-60, A.M., 61; Nat. Found. Jewish Culture fel, Columbia, 63, Ph.D.(sociol), 68. Dir. student activities, B'nai B'rith Hillel Found, BROOKLYN COL, 62-66, lectr. SOCIOL, 67-68, instr., 68-69, ASST. PROF., 69- Consult, Paterson Area Jewish Population Study, 68- Nat. v.chmn. cmt. col. youth & faculty, Coun. Jewish Fedns. & Welfare Funds & mem. nat. cmm. Jewish Affairs, Am. Jewish Cong., 69-; mem. bd. dirs. & exec. cmt. Bur. Careers in Jewish Serv. & adv. cmt. serv. to col. youth, Nat. Jewish Welfare Bd., 69-; v.chmn. nat. exec. & steering cmt., Am. Profs. Peace in Mid. East, 70- Sociol. Asn.; Soc. Sci. Study Rclg; Acad. Polit. & Soc. Sci. Sociology of religion, especially the religious positions of adolescents; sociology of the American Jewish community. Publ: The components and dimensions of religious behavior: toward a reconceptualization of religiosity, In: American mosaic, Random, 70. Address: Dept. of Sociology, Brooklyn College, Brooklyn, N.Y. 11210.
- VERDONE, DR. PAUL P. Psychology. See L-Z Vol, 11th ed, Soc. & Behav. Vols. New position & address: Assoc. prof, 69-, Dept. of Psychology, Sacramento State College, Sacramento, Calif. 95819.
- VERNEY, PROF. DOUGLAS VERNON. Political Science. See L-Z Vol, 11th ed, Soc. & Behav. Vols. New information: Ed. Can. Pub. Admin., 70- Address: Dept. of Political Science, Faculty of Arts & Science, York University, Toronto 12, Ont, Can.
- VERNON, PROF. GLENN (MORLEY). Sociology. See L-Z Vol, 11th ed, Soc. & Behav. Vols. New position & address: Prof, 68-, Dept. of Sociology, University of Utah, Salt Lake City, Utah 84112.
- VERNON, DR. JACK R. b. Springfield, Mo., Nov. 12, 32; m. 55; c. 1. ECONOMICS, FINANCE. B.A. Drury Col., 54; M.A., Washington (St. Louis), 58; Ph.D.(econ), Northwestern, 61. Economist, Fed. Reserve Bank of Chicago, 60-62; Asst. prof. ECON, Mich. State, 62-67; ASSOC. PROF., FLORIDA, 67- Econ. Asn. Finance Asn. Banking and financial institutions; monetary theory and policy; macroeconomics. Publ: Savings and loan association response to monetary policy, 1953-1961: a case study in availability, South. Econ. J., 1/65; Competition for saving deposits, the recent experience, Nat. Banking Rev., 12/65; Ownership and control among large member banks, J. Finance, 6/70. Address: Dept. of Economics, University of Florida, Gainesville, Fla. 32601.
- VERNON, PROF. McCAY, b. D.C., Oct. 14, 28; m. 55; c. 1. PSYCHOLOGY, EDUCATION. B.A., Florida, 51; M.S. Gallaudet Col., 55; M.A., Fla. State, 58; Ph.D.(psychol), Claremont Grad. Sch., 61. Teacher, Fla. Sch. Deaf & Blind, 51-54; Tex. Sch. Deaf, 55-57; Colo. Sch. for Deaf & Blind, 56-58; psychologist, Calif. Sch. for Deaf, 58-62 & 63-64; clin. psychologist, Riverside County Gen. Hosp., Calif., 62-63; res. assoc. spec. ed., Illinois, 64-65; res. assoc. prof. psychol. & ed., DePaul, 65-66; res. psychologist, Michael Reese Hosp., 66-69; PROF. PSYCHOL, WEST. MD. COL., 69- Ed. Am. Ann. Deaf, 68- Mem. nat. adv. cmt. Fed. Proj. for Multiply Handicapped Deaf, Hot Springs, Ark., 66-; exec. bd. Coun. Grange, Serving Deaf, 69-; Coun. 68- Except. Children, 67- Intel.C.U.S.A., 46-48. Psychol. Asn.; Nat. Asn. Deaf. Behavioral aspects of deafness and profound hearing loss. Publ: Multiply handicapped children's medical, psychological and educational considerations, Coun. Except. Children, 69; Sociological and psychological factors in profound hearing loss, J. Speech & Hearing Res., 69; co-auth. Deafness and minority group dynamics, Deaf Am., 69. Address: Dept. of Psychology, Western Maryland College, Westminster, Md. 21157.
- VERRY, DR. DANA H. Statistics. See L-Z Vol, 11th ed, Soc. & Behav. Vols. New position & address: Assoc. prof, 68-, Dept. of Office Administration, College of Business Administration, Memphis State University, Memphis, Tenn. 38111.
- VERY, DR. PHILIP S. b. Providence, R.I., Oct. 15, 38; m. 60; c. 6. DEVELOPMENTAL PSYCHOLOGY, MEASUREMENT. A.B., Bowdoin Col., 60; Nat. Sci. Found. fel. & M.S., Pittsburgh, 61; Nat. Insts. Health fel., Pa. State, 61-63, Ph.D.(psychol), 63. Instr. psychol, Pa. State, 62-63; asst. prof., Rhode Island, 63-67; ASSOC. PROF. PSYCHOL, R.I. COL., 67- DIR. RES. & DEVELOP., 68-, CHMN. DEPT. PSYCHOL, 69- Nat. Inst. Child Health & Human Develop. faculty res. fel., 64-69; consult, NASA res. med. res. lab, New London Submarine Base, 66-69. Psychol. Asn.; Nat. Coun. Measurement in Ed.; Ed. Res. Asn. Growth of cognitive abilities; teacher evaluation; birth order and personality; psychological correlates of physiological changes in man. Publ: Differential factor structures in mathematical ability, 75, 169-207 & co-auth. Growth changes in factorial structure by age and sex, 78, 55-88, Genetic Psychol. Monogr.; Relation between birth order and being a beautician, J. Appl. Psychol., Vol. 53, No. 2. Address: Dept. of Psychology, Rhode Island College, Providence, R.I. 02908.
- VESTERGAARD, DR. PER B. Medicine. See Suppl. V to 11th ed, Phys. & Biol. Vols.
- VESTRE, DR. NORRIS (DONALD). Psychology. See L-Z Vol, 11th ed, Soc. & Behav. Vols. New position & address: Assoc. prof, psychol. & dir. clin. training, 69-, Dept. of Psychology, Washington State University, Pullman, Wash. 99163.
- VETTER, PROF. HAROLD J. Psychology. See L-Z Vol, 11th ed, Soc. & Behav. Vols. New position & address: Prof., 68-, Dept. of Criminology, Florida State University, Tallahassee, Fla. 32306.
- VIA, DR. JAMES E(DWARD), b. Clinton, Ky., Mar. 1, 20; m. 48; c. 7. AGRICULTURAL ECONOMICS, POLITICAL SCIENCE. B.S., N.C. State, 52, Nat. Defense Ed. Act fel., 61-64, M.S., 64, Ph.D.(econ, polit. sci.), 67. Claims investr. Retail Credit Co., Ga., 48-50; agr. exten. agent animal & poultry sci., N.C. State, 52-61, asst. prof. AGR. ECON, N.C. State, 64-67; ASSOC. PROF. MARYLAND, 67- Consult, Melpar, Inc., 69- U.S.M.C. 40-45, Lt. Agr. Econ. Asn. Livestock and poultry marketing; cost studies in production of poultry products; system for handling animal wastes. Publ: Broiler futures for 1977, co-auth. Livestock marketing in Maryland & The Delmarva poultry industry in interregional competition, Agr. Exp. Sta. Univ. Maryland, 70. Address: Dept. of Agricultural Economics, University of Maryland College of Agriculture, College Park, Md. 20742.
- VIALLE, DR. KAREN L. RISTVET, b. Tacoma, Wash., May 21, 43; m. 69. POLITICAL SCIENCE, PUBLIC ADMINISTRATION. A.B. Puget Sound, 64; M.A., Washington State, 67, Ph.D.(polit. sci.), 68. Asst. POLIT. SCI., Washington State, 65-68; ASST. PROF., PUGET SOUND, 68- Summers, admin. asst. planning, Dept. City Planning, Tacoma, 66-67. Polit. Sci. Asn.; Soc. Pub. Admin. Urban administration and politics, particularly the problems of urban planning. Publ: The city and the suburb: a review of the concept of annexation, City Tacoma, 11/68; A model for decision-making: goals and policy formulation in comprehensive planning, Quorum, Wash. State Univ., 3/68. Address: Dept. of Political Science, University of Puget Sound, Tacoma, Wash. 98416.
- VICKERS, PROF. DOUGLAS, b. Rockhampton, Australia, July 13, 24; m. 46; c. 1. ECONOMICS. B.Com. Queensland, 49; B.Sc. London, 52, Ph.D.(econ), 56. Asst. prof. FINANCE PENNSYLVANIA, 57-61, assoc. prof., 61-67. PROF., 67- Ford Found. faculty res. fel., 64-65. Royal Australian Air Force, 42-46. Am. Econ. Asn.; Economist Soc.; Finance Asn.; Royal Econ. Soc. Economic and financial theory; history of economic thought. Publ: Studies in the theory of money 1690-1776, Chilton, 59. The theory of the firm: production, capital and finance, McGraw, 68; The cost of capital and structure of the firm, J. Finance, 3/70. Address: Dept. of Finance, Wharton School, University of Pennsylvania, Philadelphia, Pa. 19104.
- VICKERY, PROF. KATHERINE. Psychology. See L-Z Vol, 11th ed, Soc. & Behav. Vols. New information: Engr. prof., 68-, Dept. of Psychology, University of Montevallo, Montevallo, Ala. 35115.
- VIKOR, DR. DESIDER. Economics. See L-Z Vol, 11th ed, Soc. & Behav. Vols. New position & address: Prof., 69-, Dept. of Economics, Western Carolina University, Cullowhee, N.C. 28723.
- VINCENT, DR. JOAN E. b. Surrey, Eng., Nov. 17, 28. SOCIAL ANTHROPOLOGY. B.Sc. London Sch. Econ, 58; M.A., Chicago, 64, Ph.D.(anthrop), Columbia, 68. Lectr. polit. social, Makerere Univ. Col., Uganda, 66; ASST. PROF. ANTHROP., BARNARD COL., COLUMBIA, 68- Fel. Anthropol. Asn.; fel. African Studies Asn. Political development in Africa and Asia; ethnic relations; politics of urban and agricultural development. Publ: African elite: the big men of a small town, Columbia, 70; Anthropology and political development, In: Politics and change in developing countries, Cambridge, 69; Local cooperatives and parochial politics in Uganda, J. Commonwealth Polit. Studies, 3/70. Address: Dept. of Anthropology, Barnard College, Columbia University, New York, N.Y. 10027.
- VINCENT, DR. PHILLIP E(ARL), b. Beech Grove, Ind., Aug. 27, 38. ECONOMICS. A.B., Washab Col., 60; Woodrow Wilson fel. & M.A., Stanford, 62, fel. & Ph.D.(econ), 68. Res. economist, res. inst., Denver, 62-64; Cmt. Urban Econ. fel., California, Los Angeles, 67-69; ASST. PROF. ECON., SOUTHERN CALIFORNIA, 69- Econ. Asn.; Economist Soc. Fiscal impact of commuters on central cities; reciprocal external effects; theory of exchange and survey, Stanford Univ., 68; auth. Reciprocal externalities and optimal input and output levels, Am. Econ. Rev., 12/69. Address: Dept. of Economics, University of Southern California, Los Angeles, Calif. 90007.
- VINCZE, DR. LAJOS, b. Ghorac, Rumania, Jan. 28, 20; m. 59; c. 2. CULTURAL ANTHROPOLOGY. B.A., State Lyceum E.Gojdu, Oradea, Rumania, 38; M.A., Univ. Hungary, Kolozsvár, 43, Ph.D.(ethnol), 44. Researcher, Sci. Inst. Transylvania, Kolozsvár, Hungary, 42-45; teacher Romance lang, State Lycee Salonta, Rumania, 45-47; lectr. Free Univ. Sci. & Soc. Acad. Mind-surgery, Buenos Aires, 52-58; teacher Romance lang, Millersburg Mil. Inst., 64-66; ASST. PROF. ANTHROPOL., Moorhead State, 66-68; ROWLING GREEN STATE, 68- Adj. prof. ethnol. Univ. Hungary, Kolozsvár, 43-45. Fel. Anthropol. Asn. Peasant societies of east Europe and Latin America; ethnological theory; ethnomusicology; ethnolinguistics. Publ: Folk song in the village Siter, Hitei, 39; Hemp work in the village Balvanyosvarjaly, Univ. Hungary,

- Kolozsar, 45; La cancion popular Hungara, Academy Mindszenty, 59. Address: Dept. of Sociology, Bowling Green State University, Bowling Green, Ohio 43402.
- VINSON, DR. JAMES RICHARD, b. Wichita Falls, Tex, July 6, 37; m. 61; c. 1. ECONOMICS. B.B.A. Hardin-Simmons, 63, M.A., 64; fel, Houston, 64-67, M.A. & Ph.D.(econ). 68. Asst. prof. ECON. HARDIN-SIMMONS, 67-69. RES. PROF. 69-71. DIR. BUR. ECON. & BUS. RES. 68- Mem. Nat. Univ. Res. Adminstr. 68- Small area or regional economic analysis. Publ: An economic base study—west central Texas, W. Cent. Tex. Coun. Govt. An address: 5342 Burbank St, Abilene, Tex. 79605.
- VIOLA, DR. RICHARD H, b. Monaca, Pa, Aug. 19, 29; m. 55; c. 5. INDUSTRIAL PSYCHOLOGY. B.S., Notre Dame, 52; M.S. Columbia, 57; Ph.D. Indust. psychol. orgn. behav., N.Y. Univ. 66. Asst. to v.p.res., Am. Car. & Foundry Div, ACF Indus., Inc, 57-59; asst. to dean, grad. sch. bus. N.Y. Univ. 59-66, asst. prof. mgt. & asst. dean, 66-68; ASSOC. PROF. MGT. SCH. BUS. TEMPLE, 68- U.S.C.G. 52-56. Acad. Mgt. Soc. Asn. Organizational behavior; behavioral science; social psychology; business and society; environmental analysis. Publ: The utilization of management principles: an empirical study, In: The progress of management: process, behavior and operations research, Prentice-Hall, 68. The span of management in the life insurance industry: some research findings, Econ. & Bus. Bull. 70 & Organization theory: a review of research and future direction, East. Acad. Mgt. Proc. 70. Address: 372 Speakman Hall, Temple University School of Business, Philadelphia, Pa. 19122.
- VISCONTI, DR. JAMES ANDREW. Pharmacy. See Suppl. VI to 11th ed, Phys. & Biol. Vols.
- VISER, PROF. FESTUS JUSTIN. Economics. See L-Z Vol, 11th ed, Soc. & Admin. Vols. New pub. ed. The U.S.S.R. in today's world, 69 & ed, The public press—a force and a challenge, 70, Memphis State Univ. Address: Dept. of Economics, Memphis State University, Memphis, Tenn. 38111.
- VISHER, DR. HALENE HATCHER. Economic Geography. See L-Z Vol, 11th ed, Soc. & Behav. Vols. New pub: Co-auth, Conservation of natural resources, Wiley, 70. Address: 1221 Dogwood Dr, Murray, Ky. 42071.
- VISSER, DR. DERK. Modern History. See 5th ed, Dir. Am. Scholars, Vol. I, Hist.
- VITULLI, DR. WILLIAM FRANCIS, b. Brooklyn, N.Y., July 17, 36; m. 61; c. 2. PSYCHOLOGY. B.S. Miami (Fla), 61, M.S., 63, Ph.D. (psychol), 66. Asst. prof. PSYCHOL. SOUTH ALABAMA, 65-69, ASSOC. PROF. 69-71. Psychol. Asn. Experimental analysis of behavior: operant conditioning, learning theory. Publ: Stimulus properties of varied food concentrations, Psychonomic Sci, 67. The effects of punishment on food pellet discrimination, J. Psychol. 69 & Interactive effects of shock, insulin and food pellet properties on operant behavior, Psychol. Reports, 70. Address: Dept. of Psychology, University of South Alabama, Mobile, Ala. 36608.
- VIZZA, DEAN ROBERT F, b. Apr. 2, 33; U.S. citizen; m. 54; c. 4. MARKETING, MANAGEMENT. M.B.A. City Univ. New York, 59; Ph.D. N.Y. Univ. 67. Act. exec. Diebold, Inc, 67; asst. prof. mkt. St. John's (N.Y.), 61-66; assoc. prof. mkt. & chm. dept. bus. C.W. Post Co., Long Island, 66-67; PROF. MKT. & DEAN SCH. BUS. MANHATTAN COL, 67- Consult. Gen. Elec. Co.; Gen. Aniline & Film Corp.; Sylvania Elec. Prod. Corp.; World Trade Center, Port of New York Authority; J.P. Stevens Co.; Enjay Chem. Co.; Hoffman-La Roche, Inc; Int. Paper Co. Marketing manpower development; marketing concept; sales management. Publ: Ed. New handbook of sales training, Nat. Soc. Training Excs, Prentice-Hall, 67; auth, Adopting the marketing concept—fact or fiction?, Sales Excs. Club New York, 67. Address: School of Business, Manhattan College, Bronx, N.Y. 10471.
- VIZZARD, DR. WILLIAM M (RAYMOND), JR. International Relations. See L-Z Vol, 11th ed, Soc. & Behav. Vols. New information: Grad, Air War Col, 69. Address: J-7, Box 24, U.S. Taiwan Defense Command, APO San Francisco 96263.
- VLACHOS, DR. EVAN (CONSTANTINE), b. Piraeus, Greece, Nov. 15, 35; U.S. citizen; m. 62; c. 2. SOCIOLOGY. B.S. Athens, 59; M.A., Indiana, 62, cert. & Ph.D.(sociol), 64. Asst. prof. SOCIOL. Pierce Coll, Athens, 64-66; Colorado, 66-67; COLORADO STATE, 67-69, ASSOC. PROF. 69- Res. assoc. Athenian Inst. Anthropol. & res. dir. Soc. Sci. Center, Athens, Greece, 64-66; lectr. Univ. Maryland, European div, 65-66; res. specialist, new community proj. Univ. Colorado, 68; res. dir. Consult. Irrigation Sys. Proj. 69- Res. consult. Town Planning Div. of Greater Athens. Greek Army, 58-61, 2nd Lt. Sociol. Asn; Pop. Asn. Asn; Asn. Adv. Slave Studies. Problems of migration and migrant adjustment; process of urbanization and new community development criteria; population change and development efforts in developing nations; modern Greek society. Publ: The assimilation of Greeks in the U.S. Nat. Center Soc. Res. 69; Materials for the study of modern Greek society, Colorado State Univ. 69; Urbanization and development, Rocky Mt. Soc. Sci. J. 69. Address: Dept. of Sociology & Anthropology, Colorado State University, Ft. Collins, Colo. 80521.
- VOELKER, DR. ALAN M (ORRIS). Science Education. See Suppl. VI to 11th ed, Phys. & Biol. Vols.
- VOGLER, DR. LAWRENCE, b. Brooklyn, N.Y., Aug. 27, 24; m. 44; c. 2. CLINICAL PSYCHOLOGY, PSYCHOANALYSIS. B.A., Brooklyn Col, 61; Ph.D. (psychol), Adelphi, 65. Trainee clin. psychol. Vet. Admin. Hosp. 62-65; asst. prof. PSYCHOL. NAASSAU COMMUNITY COL. 65-69, ASSOC. PROF. 69- Instr. Adelphi, 63-65, sch. psychologist, Mill Neck Manor Lutheran Sch. for Deaf, 63-68; instr. City Col. New York, 65; psychotherapist, private practice, 66-; summers, chief psychologist, Elem. & Sec. Ed. act. grant, 66, 67 & 68. Psychol. Asn; Acad. Psychother. Publ: Co-auth, The measurement of experimentally induced affects, J. Consult. Psychol., 64; Female body image in popular culture and culture, In: Modern woman: her psychology and sexuality, C.C. Thomas, 69. Address: 82 Sunnyside Lane, Westbury, N.Y. 11590.
- VOGLER-SPROTT, DR. MUREL DORIS. Psychology. See L-Z Vol, 11th ed, Soc. & Behav. Vols. New position: Prof. 69-; Dept. of Psychology, University of Waterloo, Waterloo, Ont, Can.
- VOGLER, DR. ROGER E, b. Benton Harbor, Mich. Feb. 14, 38; m. 62; c. 2. PSYCHOLOGY. B.A., California, Los Angeles, 62; M.A., Arizona, 66, Ph.D. (psychol), 67. ASST. PROF. PSYCHOL. POMONA COL, 67- Res. psychologist & prin. investor, Dept. Ment. Hyg. grant, Patton State Hosp, Calif, 68-; res. scholar, Max-Planck Inst. Psychiat., Munich, 70-71; Pomona Col. res. grant, summer, 68. Res. consult. ed. systs. div. Parks Job Corps Center, Litton Indust., Pleasanton, Calif, 67; training consult. Vet. Admin. Hosp., 69- Psychol. Asn. Conditioning cooperation between children; awareness in conditioning; aversion conditioning with chronic alcoholics. Publ: Awareness and the operant conditioning of a cooperative response, J. Psychol., 69; 117-127; sr. auth. in defense of operant conditioning programs in mental institutions, Psychol. Record, 19; 59-64 & Electrical conditioning with chronic alcoholics, J. Consult. & Clin. Psychol., 70. Address: Dept. of Psychology, Pomona College, Claremont, Calif. 91711.
- VOLD, PROF. GEORGE B (RYAN). Sociology. See 11th ed, Soc. & Behav. Vols., deceased 67.
- VOLKOMENER, SISTER HELEN, F.C.S.P. Philosophy. See 5th ed, Dir. Am. Scholars, Vol. IV, Philos. Relig. & Law.
- VOLPE, PROF. PAUL (ANTHONY). Finance. See 11th ed, Soc. & Behav. Vols., deceased 68.
- VOLPFF, DEAN LOUIS D, b. Ida Grove, Iowa, Nov. 16, 29; m. 56; c. 4. MANAGEMENT SCIENCE. B.S. Iowa State, 52; M.A., Iowa, 56, Ph.D.(mkt), 58. Instr. econ. hist. & statist., Iowa, 55-57; asst. prof. mkt., Illinois, 57-60, assoc. prof. bus. admin., 61-67, asst. prof. grad. sch. bus. admin., 62-65, assoc. provost, 65-67, dir. comput. based ed. res. lab, 66-67; PROF. MANAGERIAL ECON. & CHMN. DEPT. MGT. SCI, DUKE, 67- DEAN GRAD. SCH. BUS. ADMIN. 68- Vis. assoc. prof. Dartmouth Col, 60-61; chief div. tech. sci., State of Illinois, 65. U.S.M.C. 52-59, Res. 55-60, Capt. Econ. Asn; Inst. Mgt. Sci. Mkt. Asn. Market structure and strategy design; economics of organization design; managerial economics. Address: 115 Social Science Bldg, Duke University, Durham, N.C. 27706.
- von CONRAD, PRENTICE G (ABRIEL). Psychology. Speech Pathology. See L-Z Vol, 11th ed, Soc. & Behav. Vols. Change of address: P.O. Box 22114, St. Louis, Mo. 63116.
- VON DER EMBSE, DR. THOMAS J, b. Kalida, Ohio, July 30, 35; m. 64; c. 1. BUSINESS MANAGEMENT. B.S., Dayton, 60; M.B.A., Indiana, 61; Ph.D. (personnel admin), Ohio State, 68. Instr. mgt. St. Vincent Col, 61-63; asst. to dean, sch. bus. DAYTON, 64-65, ASSOC. PROF. MGT, 66- U.S.A. 54-56. Acad. Mgt. Soc. Asn. Mgt. Soc. Personnel Admin. Organizational identification; leadership attitudes; simulation training for managers. Address: 2038 Lakewood Dr, Dayton, Ohio 45420.
- VON ECHARTSBERG, DR. ROLF H, b. Glendale, Calif. Aug. 5, 32; m. 62; c. 3. SOCIAL PSYCHOLOGY. B.A., Dartmouth Col, 58; M.A., Harvard, 62, Ph.D.(socio. psychol), 64, ASSOC. PROF. PSYCHOL. DUQUESNE COL, 64-66, U.S.A. 56-58. Psychol. Asn. Social psychology from experiential idiographic point of view with emphasis on ecological research techniques. Address: Dept. of Psychology, College of Liberal Arts & Sciences, Duquesne University, Pittsburgh, Pa. 15219.
- VON FURSTENBERG, DR. GEORGE M, b. Germany, Dec. 3, 41; U.S. citizen; m. 67. ECONOMICS. B.S. Columbia, 63; Int. Finance fel, Princeton, 63-65, Ph.D.(econ), 67; univ. fel, Brookings Inst. 65-66. Asst. prof. econ, Cornell, 66-67; Brookings Inst. Econ. Policy fel. prog. eval. sect, U.S. Dept. Housing & Urban Develop. 67-68; ASST. PROF. ECON. CORNELL, 68- Econ. Asn; Nat. Tax Asn. Federal housing programs; income distribution; issues in efficiency of taxation. Publ: Default risk on FHA-insured home mortgages as a function of the terms of financing: a quantitative analysis, J. Finance, 6/69; Risk structures and the distribution of benefits within the FHA home mortgage insurance program, J. Money, Credit & Banking, 70; The effect of seasoning and downpayment percentage on the investment quality of home mortgages, J. Risk & Ins. (in press). Address: Dept. of Economics, Cornell University, Ithaca, N.Y. 14850.
- VON LAZAR, DR. ARPAD J, b. Gyula, Hungary, Jan. 7, 35; U.S. citizen; m. 59; c. 2. POLITICAL SCIENCE. Baccalaureate, Rakozkianum, Hungary, 58; B.S., Pol. Vienn, 59; M.A., North Carolina, 62. Ph.D.(polit. sci), 63. Vis. asst. prof. POLIT. SCI., North Carolina, 63-64; asst. prof. Vanderbilt, 64-67; ASSOC. PROF. FLETCHER SCH. LAW, 67- Consult. proj. eval. Agency Int. Develop. Dominican Repub, 68, prog. & policy coord-title IX div, 69. Del. Second Inter-Am. Conf. Latin American Inst. Polit. & Soc. Sci., Santiago, Chile-Vita del Mar, 66. Problems of political modernization and social change in the developing countries; theory, method and scope of comparative politics. Publ: Co-auth, Reform and revolution: readings in Latin American politics, Allyn & Bacon, 69; auth, Chilean Christian democracy: lessons in the politics of reform management, Inter-Am. Econ. Affairs; Latin America and the politics of post-authoritarianism: a model for decompression, Comp. Polit. Studies, 10/68. Address: Fletcher School of Law & Diplomacy, Medford, Mass. 02155.
- von LUTTICHAU, CHARLES V.P. Modern European & Southeast Asian History. See 5th ed, Dir. Am. Scholars, Vol. I, Hist.
- VON REDLICH, DR. JEAN D, b. Birmingham, Ala., Apr. 21, 21; m. 46, div. EDUCATIONAL PSYCHOLOGY, SPEECH PATHOLOGY. B.A., Alabama, 49, M.A., 54, Ph.D.(ed. psychol. counseling & guid), 67. Dir. Montgomery Speech & Hearing Center, Ala., 57-59; supvr. delayed speech prog, Bill Wilkerson Speech & Hearing Center, Nashville, Tenn, 59-60; Memphis Speech & Hearing Center, 60-65; counseling psychologist, Vet. Hosp. Tuscaloosa, Ala., 67-68; asst. prof. speech path., Texas Tech, 68-69; COORDINATOR PSYCHOL. SERV. PUPIL PERSONNEL SERVS. ESCAMBA COUNTY BD. PUB. INSTR., 69- Psychol. Asn; Speech & Hearing Asn; Personnel & Guid. Asn.

- Body image as a psychophysical factor in hearing loss; group process as a factor of change in student teaching. Address: Publ. Personnel Services, Escambia County Board of Public Instruction, Pensacola, Fla. 32506.
- VON SINGER, DR. RONALD, b. Cincinnati, Ohio, Aug. 24, 31; m. 66. PSYCHOLOGY. B.A., Cincinnati, 54; M.A., Temple, 57; Ph.D. (psychol.), Mich. State, 63. Staff psychologist, Ohio State Univ., Lima, 57-59; psychol. trainee IV, Ann Arbor vet. Admin. Hosp., Mich. 62-63; asst. prof. PSYCHOL., Albion Col., 63-65; fel., Merrill-Palmer Inst., 65-66; ASST. PROF. MARQUETTE, 66-68; AAAS: Psychol. Assn.; Animal Behav. Soc.; Personnel & Guid. Assn. Effects of video tape feedback on psychotherapy and motor behavior; applications of learning theory to mental retardation and psychotherapy; relationships of dynamic humanistic and learning approaches to psychology and psychology. Address: Dept. of Psychology, Marquette University, Milwaukee, Wis. 53233.
- VON SPAKOVSKY, PROF. ANATOL. Sociology. See L-Z Vol. 11th ed, Soc. & Behav. Vols. New information: Asst. prof. philos. & French, Miles Col., 68-69; prof. humanities & German, Athens Col., 69-70. Address: 10020 Hampshire Dr. S.E., Huntsville, Ala. 35803.
- VORHAUS, DR. PAULINE GROSSMAN. Psychology. See L-Z Vol. 11th ed, Soc. & Behav. Vols. New position: Intern training, sr. psychologist, & dir. psychol. Inst. for Crippled & Disabled, 69- Address: 155 W. 68th St., New York, N.Y. 10023.
- VORIS, DR. HAROLD K. Zoology. See Suppl. V & VI to 11th ed, Phys. & Biol. Vols.
- VOSS, DR. J(OSEPH) ELLIS. Social Psychology. See L-Z Vol. 11th ed, Soc. & Biol. Vols. New position: Prof., Villanova, 67- Address: 306 Canterbury Rd., Chatham Village, Havertown, Pa. 19083.
- VOTEY, DR. HAROLD L. JR., b. Steubenville, Ohio, Mar. 22, 26; m. 47; c. 2. ECONOMICS. B.A., Michigan, 48, M.B.A., 49; Ph.D. (econ), California, Berkeley, 68. Partner, Bayart Prod. Co., Mich., 49-62; teaching asst. ECON., California, Berkeley, 63-66; ASST. PROF. CALIFORNIA, SANTA BARBARA, 66- Nat. Insts. Law Enforcement & Criminal Justice grant, 69. U.S.A.A.F., 44-45. Econ. Assn. International economics; economic development, population studies; economics of education and of crime. Publ: A synthesis of the economic and demographic models of fertility: an econometric test, *Rev. Econ. & Statist.*, 8/69; The optimum population and growth: a new look, *J. Econ. Theory*, 10/69. Address: Dept. of Economics, University of California, Santa Barbara, Calif. 93106.
- VOTICHENKO, PROF. T. ALEXANDER. Philosophy. See 5th ed, Dir. Am. Scholars, Vol. IV, Philos., Relig., & Law.
- VU, DR. CATHERINE THU-HUONG, b. Thakhek, Laos, Mar. 10, 22; Can. citizen. COUNSELING. B.A., Convent des Oiseaux, Vietnam, 55; cert. lic., Saigon, 57; M.A., DePaul, 61; bursary, Ottawa, 61. Can. Coun. scholar, 61-63, Ph.D. (counseling), 64. Sch. teacher, 40-57; PSYCHOLOGIST & DIR. PSYCHOL. SERV., REGIONAL BD. ED., 64-; ASST. PROF. APPL. PSYCHOL. & PSYCHOLOGIST, UNIV. SHERBROOKE, 66- Univ. Sherbrooke traveling grant, Internat. Soc. Psychol. Con., Mexico City, 67 & Can. Coun. Res. in Soc. Sci. traveling grant, Montevideo, Uruguay, 69; Can. Ministry of Ed. & Ministry of Cultural Affairs res. grant, 68. Sr. mem. Can. Psychol. Assn.; Int. Assn. Appl. Psychol. Comparative research in the field of vocational and educational guidance and counseling in France and the United States of America. Publ: The cumulative record, *Inst. Psychol. Res. Montreal*, Que., 8/64; Comparative theories of educational and professional guidance in France and in the United States, *Proc. Psychol. Meet.*, 67; Les théories de l'orientation scolaire et professionnel en France et aux Etats-Unis au vingtième siècle, *Bull. Psychologie Scolaire & Orientation*, Bruxelles, Belgium, 4: 174-182. Address: 221 Drinkwater St., Sudbury, Ont., Can.
- VUCHIC, DR. VUKAN RADMILO. Transportation Engineering. See Suppl. VI to 11th ed, Phys. & Biol. Vols.
- VUICICH, PROF. GEORGE. Urban Geography. See L-Z Vol. 11th ed, Soc. & Behav. Vols. New position & address: Prof., 68-, Dept. of Geography, Western Michigan University, Wood Hall, Kalamazoo, Mich. 49001.
- W**
- WACHS, DR. GERALD N. Dermatology, Allergy. See Suppl. VI to 11th ed, Phys. & Biol. Vols.
- WACHS, DR. T(HÉODORE) D., b. Brooklyn, N.Y., Feb. 6, 41. PSYCHOLOGY. B.A., Muhlenberg Col., 62; Nat. Inst. Child Health & Human Develop. fel., George Peabody Col., 62-66, M.A., 64, Ph.D. (free-recall learning by children), 68. Vis. res. assoc. psychol. develop. lab. Illinois, 65-66; intern. clin. psychol., Pittsburgh Child Guid. Center, Pa., 66-67; ASST. PROF. PSYCHOL., PURDUE, 67- Nat. Inst. Child Health & Human Develop. res. grant, 69-73. AAAS: Soc. Res. Child Develop.; Psychol. Assn. Relation of early experience to early intellectual development; measurement of early intelligence; stimulus parameters underlying curiosity and novelty seeking behavior; verbal learning in children. Publ: Co-auth. Perceptual distortions by mentally retarded and normal children in response to failure information, *Am. J. Ment. Deficiency*, 66 & Effects of arousing stimulation upon novelty preference in rats, *Brit. J. Psychol.*, 67; auth. Report on the utility of a piaget based infant scale with older retarded children, *Develop. Psychol.*, 70. Address: Dept. of Psychology, Purdue University, Lafayette, Ind. 47907.
- WACHTEL, DR. HOWARD MARTIN, b. Philadelphia, Pa., Dec. 31, 38; m. 63. ECONOMICS. M.A., Connecticut, 62; Ph.D. (econ), Michigan, 69. Res. asst., U.S. Dept. Commerce, 62-64; inst. labor & indust. rels., Univ. Michigan, 65-66; res. assoc., 69; ASST. PROF. ECON., AMERICAN UNIV., 69. Consult. low wage proj., inst. labor & indust. rels., Univ. Michigan, 69; ed-in-chief, *Rev.*
- Radical Polit. Econ, Union for Radical Polit. Econ, 69- Econ. Assn.; Indust. Rel. Res. Assn. Poverty; comparative economic systems; labor economics; manpower. Publ: Hard-core unemployment in Detroit; causes and remedies, *Indust. Rel. Res. Assn.*, 65; co-auth. Share of corporate profits in postwar period, U.S. Dept. Commerce, 65. Address: Dept. of Economics, American University, Massachusetts and Nebraska Ave. N.W., Washington, D.C. 20016.
- WACK, DR. DUNSTAN (JOHN). Psychology. See L-Z Vol. 11th ed, Soc. & Behav. Vols. New position & address: Assoc. prof., 69-, Southern Colorado State College, Belmont Campus, Pueblo, Colo. 81001.
- WADDELL, ROBERT MALCOLM, b. Brighton, Colo., May 12, 09; m. 38; c. 1. MANAGEMENT SCIENCE. B.S.Com., Kentucky, 37; Pennsylvania, 32-35. Intern. ops. res. Weyerhaeuser Co., 37-41; planning eng., Oregonship Corp., Kaiser Industri. Corp., 41-47; planning analyst, eng. dept., Gen. Elec. Co., 47-49, admin. asst. ops. mgt., Gen. Indust., 49-50; planning analyst, Kaiser Aluminum & Chem. Corp., Kaiser Steel, Corp., 50-52; planning supt., eng. dept., E.I. du Pont de Nemours & Co., 52-55, sr. statist., 55-67, sr. indust. economist, econ. prof. center, Nat. Planning Assn., 62-70; SR. CONSULT. MGT. INFO, DE LEUW, CATHER & CO, WASH., D.C. 20- Lectr., E.I. du Pont de Nemours & Co., 54-55, 61-62. Sr. consult. Sys. Tech. Assn., 65-66; col. med., Howard Univ., 69-70. Nat. Assn. Bus. Econ; Inst. Mgt. Sci.; Statist. Assn. Implementation of modularized input-output systems at micro-economic levels; new technology based on structure of management information inputs; modularized information flow in modified input-output framework. Publ: Co-auth. Capacity expansion planning factors, *Nat. Planning Assn.*, 66; auth. Administrative data planning, *Syst. Mag.*, 11-12/57 & Expansion estimating, *Chem. Eng. Progress*, 8/61. Address: 2423 N. Lincoln St., Arlington, Va. 22207.
- WADHVA, DR. CHARAN DASS, b. Manjha Kotla, Pakistan, June 28, 43; m. 69. ECONOMICS. INTERNATIONAL RELATIONS. M.A., Delhi, 62, M.A., 64; M.Phil. & Ph.D. (econ), Yale, 68. Asst. lectr. ECON., Delhi, 64-65; ASST. PROF. Western Kentucky, 68-69; ILL. INST. TECH., 69. Consult. U.S. Agency Int. Develop., New Delhi, 69-70. International economics; monetary economics; economic development. Publ: Concentration of economic power in India: 1951-61, *Econ. Affairs*, Calcutta, 65; Reserve pooling in Asia and the Far East, *Pakistan Develop. Rev.*, autumn 69 & Regional payments arrangements: an application to Asia and the Far East, *Yale Econ. Essays*, spring 70. Address: Dept. of Business & Economics, Illinois Institute of Technology, Chicago, Ill. 60616.
- WAEHRER, DR. HELEN Y., b. New York, N.Y., Feb. 23, 38; m. 62; c. 2. ECONOMICS. B.A., City Col. N.Y., 58; Ph.D. (econ), Columbia, 66. Lectr. ECON., City Col. New York, 60-62, 65-67; N.Y. Univ., 66-67; ASST. PROF. PORTLAND STATE, 67- Econ. Assn. International trade, patterns and wage levels. Publ: Wage rates, labor skills and U.S. foreign trade, in: *Open economy*, Columbia Univ., 68. Address: Portland State University, P.O. Box 751, Portland, Ore. 97207.
- WAESPY, LT. COL. CHARLES M (ATTHEW), U.S.A.F. Control Engineering, Management Science. See Suppl. V to 11th ed, Phys. & Biol. Vols.
- WAGENFELD, DR. MORTON (OLIVER), b. Brooklyn, N.Y., Nov. 18, 35; m. 56; c. 4. SOCIOLOGY. B.S., City Col. New York, 57; M.A., Brooklyn Col., 60; Ph.D., Stanford, 60-61; Ph.D. (sociol.), Syracuse, 66; fel., Harvard Med. Sch., 68-69, cert. community psychiat., 69. Res. asst. SOCIOLOG. Youth Develop. Center, Syracuse, 61-62, Res. asst., 62-64; N.Y. State Dept. Ment. Hygiene, 64-66; asst. prof., WESTERN MICHIGAN, 66-68, ASSOC. PROF. 68- U.S.A. 58. Sociol. Assn.; Pub. Health Assn.; Soc. Study Soc. Probs. Epidemiology of mental illness; study and evaluation of community mental health programs; comprehensive health programs; patient and professional roles; development and change of professional ideologies. Publ: Working with the poor, *Syracuse Univ.*, 64; co-auth. Occupational mobility and schizophrenia, *Am. Sociol. Rev.*, 67 & Social relations and community tenure in schizophrenia, *Arch. Gen. Psychiat.*, 67. Address: Dept. of Sociology, Western Michigan University, Kalamazoo, Mich. 49001.
- WAGGENER, DR. THOMAS RUNYAN. Forestry, Economics. See Suppl. V to 11th ed, Phys. & Biol. Vols.
- WAGGONER, DR. MARION A., b. Tonkawa, Okla., Dec. 19, 12; m. 39; c. 1. SOCIOLOGY. Ph.B. St. Louis, 37, M.A., 38; Ph.D. (sociol.), Missouri, 47. Assoc. prof. social, Northwest State Col. (Okla.), 39-45; Tulsa, 46-55; prof. bus. admin., Norwich, 58-62; PROF. SOCIOLOG. & DIR. GRAD. STUDIES, WAYNE STATE COL., 63- Consult. Standard Oil Co., Ind., 54-55. Anthropol. Assn. Post-war migrations in western Europe. Address: Graduate Office, Wayne State College, Wayne, Nebr. 68787.
- WAGMAN, DR. ALTHEA, b. Knoxville, Tenn., Dec. 22, 33; m. 54; c. 3. PSYCHOLOGY. B.S., Col. William & Mary, 54; fel., Emory, 54-55; M.A., Columbia, 58; U.S. Pub. Health Serv. fel. & Ph.D. (physiol. psychol.), Southern Illinois, 66. Instr. psychol., Hofstra Col., 60; Southern Illinois, 62 & 66; ASST. PROF. TOWSON STATE COL., 67-70, ASSOC. PROF. PSYCHOL. & DIR. M.A. IN GEN. PSYCHOL., 70- Res. neuropsychologist, Friends of Psychiat. Res., 66-; Nat. Inst. Ment. Health grant, 68-70. Consult. Md. Psychiat. Res. Center & U.S. Army, 69-; Baltimore City Hosp., 70- Psychol. Assn.; Psychophysiol. Soc. Central nervous system control of feedback and abnormalities of sleep. Publ: Effect of frontal lesions upon behavior: recovery of response produced cues, *J. Comp. & Physiol. Psychol.*, 68. Address: Dept. of Psychology, Towson State College, Baltimore, Md. 21204.
- WAGNER, DR. BERNARD RAYMOND. PSYCHOLOGY. A.B. Denver, 62; M.A., Illinois, 65; Ph.D. (psychol.), 66. PSYCHOLOGY & ADMINSTR. TEAM TREATMENT PROF. ADOLF MEYER ZONE CENTER, 66- Consult. (asst. prof.), Illinois, 67-; consult. Forest Hosp., 69- Psychol. Assn. Research in the treatment of deviant adolescents. Publ: The training of attending and abstracting responses in chronic schizophrenics, *J. Exp. Res. in Personality*, 68; co-auth. Reduction in incontinence in chronic mental patients: a pilot project, *J. Behav. Ther. & Exp. Psychol.*, 70. Address: Adolf Meyer Zone Center, Mound Rd., Decatur, Ill. 62521.

- WAGNER, DR. ERIKA. Anthropology. See L-Z Vol. 11th ed, Soc. & Behav. Vols. Correction in address: Instituto Venezolano de Investigaciones Científicas, Apartado 1827, Caracas, Venezuela.
- WAGNER, DR. FRANCIS STEPHEN. Modern History. See 5th ed, Dir. Am. Scholars, Vol. I, Hist.
- WAGNER, DR. FRANK E. b. Guilford, Conn. July 9, 33; m. 56; c. 2. ECO-NOMICS. B.A. Univ. Kansas City, 58, M.A., 60; Ph.D.(econ), Syracuse, 67. Instr. econ. & soc. sci. MISSOURI-KANSAS CITY, 59-60, asst. prof. ECON. 62-66, ASSOC. PROF. 67- Fulbright vis. prof. Guadalajara, 68-69. Med. C. U.S.A., 53-55. Econ. Assn; Soc. Int. Develop; Assn. Evolutionary Econ. Labor problems in economic development. Publ: Co-auth, Economics of industrial development, Agency Int. Develop, 63; auth, Campus recruitment, Sch. & Soc. 60. Address: Dept. of Economics, University of Missouri-Kansas City, Kansas City, Mo. 64110.
- WAGNER, PROF. MARTIN. Labor Economics, Industrial Relations. See L-Z Vol. 11th ed, Soc. & Behav. Vols. New information: No longer dir. inst. labor & indust. rels, Illinois, Urbana. Address: Dept. of Labor & Industrial Relations, University of Illinois, Urbana, Ill. 61801.
- WAGNER, DR. MERVYN KENNETH. Psychology. See L-Z Vol. 11th ed, Soc. & Behav. Vols. Change of address: Dept. of Psychology, University of South Carolina, Columbia, S.C. 29208.
- WAGNER, DR. RICHARD VANSANT, b. Baltimore, Md. Nov. 19, 35; m. 59; c. 4. SOCIAL PSYCHOLOGY. B.A. Haverford, 57; M.S. Michigan, 58; Ph.D.(soc. psychol), 63. Instr. psychol, Michigan, 62-63; prof. soc. psychol, Cath. Univ. Chile, 63-64; asst. prof. psychol, Bucknell, 64-69, asst. prof. 69-70, prof. dir. Upward Bound Prog. 66-69; ASSOC. PROF. PSYCHOL. & CHMN. DEPT. BATES COL., 70. Fulbright scholar, Chile, 63-64; prnl. mem. inst. appl. behav. sci., Nat. Training Lab. 69- AAAS; Psychol. Assn. Social psychology; small group behavior; identity theory. Publ: Small group behavior. In: The experimental approach, McGraw, 68; co-auth, Study of attitude change, Brooks/Cole. Address: Dept. of Psychology, Bates College, Lewiston, Maine 04240.
- WAGSTAFF, DR. JOSEPH VAN, b. Kipling, N.C. Apr. 18, 30; m. 56; c. 3. ECONOMICS. B.A. Randolph-Macon Col, 58; M.B.A. Rutgers, 60; Nat. Defense Ed. Act fel. Virginia, 61-64, Ph.D.(econ), 65. Asst. prof. ECON. WAKE FOREST, 64-67, ASSOC. PROF. 67- CHMN. DEPT. 69, dir. urban affairs inst. 67-69, Econ. Assn. Public finance and public choice. Publ: Income tax consciousness under withholding, South. Econ. J. 7/65; Our economic heritage. In: Perspectives in economics, Interstate, 2nd ed. 69. Address: Box 7505, Wake Forest University, Winston-Salem, N.C. 27109.
- WADNER, DR. HOWARD, b. New York, N.Y. Oct. 26, 43; m. 67; c. 1. PSYCHOLOGY. B.S. Rensselaer Polytech, 65; M.A. Princeton, 67, Ph.D.(psychol), 68. Res. assoc. Princeton, 68; ASST. PROF. PSYCHOL. TEMPLE, 68- Consult, Arthur D. Little, Inc. 69; Nat. Analysts, Inc. 69-; Univ. City Sci. Center, 70- Psychomet. Soc. Factor analysis; scaling; mathematical techniques in psychology. Publ: A principal component analysis of models and men, Ed. Testing Serv. 68; co-auth, Anderson's personality trait words rated by men and women as a function of sex of stimulus, Psychol. Reports, 69; auth, A CDC 6400 program for clustering distances from Eckart-Young decomposition, Behav. Sci. (in press). Address: Dept. of Psychology, Temple University, Philadelphia, Pa. 19122.
- WAKEFIELD, PROF. LUCILLE M(ARION). Nutrition. See Suppl. VI to 11th ed, Phys. & Biol. Vols.
- WAKEFORD, RONALD C. b. Southampton, Eng. July 17, 26; U.S. citizen; m. 53; c. 2. SOCIAL ECONOMICS. Cert. aerogr. Southampton, 48. Engr. Folland Aircraft, Ltd. Eng. 48-52; sect. head. aircraft design, Rep. Aviation Corp. 52-56; v-pres. Gen. Astronaut. Corp. 56-59; dir. adv. anal. Melpar Inc. 59-65; DEPT. HEAD SOCIO-ECON. DEVELOP. RES. ANAL. CORP. 65- Consult, Am. Revolutionary Bicentennial Cmn. 69- Assoc. fel. Am. Inst. Aeronaut. & Astronaut; assoc. fel. Royal Aeronaut. Soc; fel. Brit. Inter-planetary Soc. Socio-economic development in both the domestic and international field including urban and regional studies of social behavior, motivation analysis, and population migration research; space research in the life science and biological satellite fields. Publ: Co-auth, Handbook of astronautical engineering, McGraw, 61, Conquering the suns empire, Dutton, 63 & Applied astronautics, Prentice-Hall, 63. Address: 5211 Albemarle St, Washington, D.C. 20016.
- WAKS, DR. NORMAN. b. Haverhill, Mass. Dec. 10, 23; m. 50; c. 2. MANAGEMENT. SYSTEMS ANALYSIS. B.A. Bowdoin Col, 46; M.A. Harvard, 48, Ph.D.(mgt), 61. Sr. contract clearance office, Exec. Off. Secy. Navy, 51-53; dir. contracts, Am. Mach. & Foundry Corp., 54-55; res. fel. & instr. bus. sch. Harvard, 56-59; head sys. anal. div. Mitr. Corp. 59-63, spec. asst. to v-pres. tech. ops. 63-67; asst. dir. defense res. & eng. Off. Secy. Defense, 67-69; CHIEF MGT. SCIENTIST, MITRE CORP., 69- Participant, Weapons Acquisition Res. Proj. Harvard, 57-58. Chmn. mgt. panels, Info. Sci. Cong. 63 & 65; v-chmn. cmt. independent res. & develop. Secy. Defense, 67-69. AAAS; Inst. Mgt. Assn. Management of large scale system programs; development of new institutional forms; analysis of socio-political environment. Publ: Contrib. author, Military information systems, Praeger, 64; auth, Program control in the Pentagon, Mitr. 69. Address: Mitr. Corp. P.O. Box 208, Bedford, Mass. 01730.
- WAKSBERG, JOSEPH, b. Kielce, Poland, Sept. 20, 15; U.S. citizen; m. 41; c. 2. STATISTICS. B.S. City Col. New York, 36; N.Y. Univ. 36-37; American Univ. 43-44. Jr. mathematician, U.S. Dept. Navy, 37-38; asst. proj. dir. U.S. Works Proj. Admin. 38-40; with U.S. BUR. CENSUS, 40-59, asst. chief, construct. statist. div. 59-63; CHIEF, STATIST. METHODS DIV. 63- Instr. statist. U.S. Dept. Agr. Grad. Sch. 63- U.S. rapporteur, subcom. sampling, Conf. European Statisticians, 65- Gold Medal, U.S. Dept. Commerce, 68. AAAS; fel. Stat. Assn; Inst. Math. Statist; Pop. Assn. Am.
- Sample design for surveys; research in survey methodology, especially sampling, response errors and questionnaire design. Publ: Co-auth, A study of response errors in expenditure data from household surveys, J. Am. Statist. Assn. 64 & Sampling applications in census and surveys, Bur. Census, U.S. Dept. Commerce, 65; auth, The role of sampling in population censuses: its effect on timeliness and accuracy, Demography, 68. Address: 6302 Tone Dr, Bethesda, Md. 20034.
- WALBERG, DR. HERBERT J. Educational & Social Psychology. See L-Z Vol. 11th ed, Soc. & Behav. Vols. New position & address: Res. assoc. 69-, Center for Cognitive Learning, University of Wisconsin, 1404 Regent St, Madison, Wis. 53706.
- WALDMAN, PROF. ERIC. Political Science. See L-Z Vol. 11th ed, Soc. & Behav. Vols. Correction in address: 3616 Underhill Dr. N.W., Calgary, Alta. Can.
- WALDMAN, DR. MARVIN. Psychology. See L-Z Vol. 11th ed, Soc. & Behav. Vols. New information: Clin. asst. prof. Hahnemann Med. Col. & Hosp. 69-; chief psychologist, Parkway Day Sch, 69- Address: 1604 Willow Grove Ave, Laverock, Pa. 19118.
- WALDON, DR. EDGAR F. Audiology. See Suppl. V to 11th ed, Phys. & Biol. Vols.
- WALDRON, PROF. ELLIS (LEIGH), b. Denver, Colo. Feb. 21, 15; m. 41; c. 1. POLITICAL SCIENCE. B.A. Ohio State, 36; M.A. Wisconsin, 39, fel. 49-50, Ph.D.(polit. sci.), 53; Duke, 39-40. Staff correspondent, Ohio govt. & polit. United Press Assn, Columbus, Ohio, 41-44; instr. POLIT. SCI. exten. div. Wisconsin, 46-49; MONTANA, 50-53, asst. prof. 53-55, assoc. prof. 55-57; PROF. 57- DIR. BUR. GOVT. RES. 61- dean grad. sch. 57-61. Carnegie fel. law & polit. sch. Harvard Law Sch, 63-64. Consult, Legis. Coun. Cmt. Constitutional Revision, 67-69; state legis. reapportionment, Nat. Munic. League, 68-70. A.U.S. 44-46, Sgt. Polit. Sci. Assn. United States and state public law: state legislative organization and politics. Publ: Legislative handbook, Mont. Legis. Coun. 57; Montana politics since 1864: an atlas of elections, Mont. State Univ. 58; chaps. In: Legislative reapportionment in Montana, Univ. Utah (in press). Address: Dept. of Political Science, University of Montana, Missoula, Mont. 59801.
- WALES, DR. BETH, b. Wichita, Kans. Dec. 5, 32; div. c. 3. PSYCHOLOGY. B.A. Kansas, 53; M.A. Cincinnati, 66, Ph.D.(psychol), 68. ASST. PROF. PSYCHOL. COL. MED. CINCINNATI, 68- AAAS; Soc. Proj. Tech. & Personality Assessment. Empathic process in psychotherapy; nonverbal communication. Publ: Co-auth, A new method for detecting the fake good response on the MMPI & Zero items on the MMPI in a psychiatric population with varying response sets, J. Clin. Psychol. 68. Address: 2993 Springer Ave, Cincinnati, Ohio 45208.
- WALES, PROF. HUGH (GREGORY). Marketing, Economics. See L-Z Vol. 11th ed, Soc. & Behav. Vols. New position & address: Prof. mkt. College of Business Administration, University of Illinois at Chicago Circle, University Hall, Room 2525, Chicago, Ill. 60680.
- WALK, PROF. RICHARD D(AVID). Psychology. See L-Z Vol. 11th ed, Soc. & Behav. Vols. Change of address: George Washington University, Washington, D.C. 20006.
- WALKER, DR. BULL R. b. Mt. Vernon, Ind. Nov. 6, 31; m. 51; c. 3. PSYCHOLOGY, GUIDANCE. B.A., Temple Col, 54; M.A. Baylor, 56; summer, Nat. Sci. Found. fel. Indiana, 61; Ph.D.(guidance psychol), Southern Mississippi, 66. Psychologist, E. La. State Hosp. 57-58; head dept. psychol, Howard Payne Col. 60-65, chmn. div. soc. sci. 66-67; chief psychologist, Abilene State Sch, 67, asst. supt. 67-69; SUPT. SAN ANGELO CENTER, 69- Dir. reading clin. Baylor, 59-60; mem. faculty, Southern Mississippi, 65-66; spec. lectr. McMurry Col, 67-69; Hardin-Simmons, 69. Psychologist, Methodist Home, Waco, Tex. 59-60; psychol. consult. E. Miss. State Hosp. Meridian, 65-66. Psychol. Assn; Am. Ment. Retardation. Administration; clinical and teaching psychology. Publ: Co-auth, Critical requirements of foreign student advisers, J. Col. Student Personnel, 5/68. Address: San Angelo Center, Carlisbad, Tex. 76934.
- WALKER, PROF. DELLA M. b. Sandpoint, Idaho, Oct. 23, 25; m. 47; c. 3. SOCIAL ANTHROPOLOGY. B.A., Washington (Seattle), 46; M.A. Washington State, 59. With UNICEF prog. Arab refugees, UN, 49; res. asst. rural social, Washington State, 58-59; instr. soc. studies, INTER-AM. UNIV. P.R. 59-64, ASSOC. PROF. SOCIOL. & ANTHROP. 64- Consult, Inst. Caribbean Res. Col. Virgin Islands, 68-69. Changing family patterns in transitional societies, particularly the roles of women, presently focusing on the Caribbean. Publ: Co-auth, Assimilation of the Spokane Indians, Wash. Agr. Exp. Sta. Bull. 5/61; auth, Anquillan family patterns, Inst. Caribbean Studies, Univ. Puerto Rico, 10/69. Address: Dept. of Sociology & Anthropology, Inter-American University of Puerto Rico, San Germán, P.R. 00753.
- WALKER, DR. DEWARD EDGAR, JR. Anthropology. See L-Z Vol. 11th ed, Soc. & Behav. Vols. New position & address: Assoc. prof. 69-, Dept. of Anthropology, University of Colorado, Boulder, Colo. 80302.
- WALKER, DR. FLORENCE S. b. Brooklyn, N.Y. FAMILY ECONOMICS. B.Sc., Cornell, 42. Ph.D.(household econ. & mgt), 66; M.S.C. Ohio State, 53. Asst. food serv. mgr. Hot Shoppes, Wash. D.C. 42-44; dietician, Med. Corps. U.S. Army, 44-47; county home demonstration agent, coop. exten. serv. Rutgers, 48-51, asst. prof. 53-55; asst. prof. & home mgt. specialist, coop. exten. serv. col. agr-home econ. Connecticut, 55-62; ASSOC. PROF. FAMILY ECON. & MGT. SCH. HOME ECON. NEBRASKA, LINCOLN, 66- Home Econ. Assn. Self-imposed household work standards; consumer use of household products; resource use by households. Publ: A proposal for classifying self-imposed housekeeping standards, J. Home Econ. 6/68. Address: Dept. of Family Economics & Management, University of Nebraska, Lincoln, Nebr. 68508.

- WALKER, PROF. HARVEY. Political Science. See L-Z Vol. 11th ed, Soc. & Behav. Vols. New information: Vis. prof. polit. sci., Kansas, 69-70. Address: 99 W. South St, Worthington, Ohio 43085.
- WALKER, DR. KENNETH N. b. Ft. Monroe, Va, Feb. 18, 27; m. 54; c. 3. SOCIOLOGY. A.B. California, Berkeley, 51, M.A., 51, Ph.D.(sociol.), 59; San Francisco State Col, 54-56. Res. sociologist, inst. int. studies, California, Berkeley, 62-65; asst. prof. SOCIOL., TORONTO, 65-70, ASSOC. PROF., 70-. Can. Coun. res. grant, 66-69, consult, Int. Brotherhood Elec. Workers, Toronto, 69-70. U.S.A.F., 45-46. Sociol. Assn. Student politics in Latin America and Canada. Publ.: A comparison of the university reform movements in Argentina and Colombia. In: Student politics, Basic Books, 67; Political socialization in universities. In: Elites of Latin America, Oxford Univ. 67; co-auth. Student politics and political systems: toward a typology, Am. J. Sociology, 7/69. Address: Dept. of Sociology, University of Toronto, 563 Spadina Ave, Toronto 179, Ont, Can.
- WALKER, DR. KENNETH P(HILLIP), b. Morning Sun, Iowa, Sept. 7, 34; m. 59. PSYCHOLOGY. B.A. Iowa, 58, M.A. 61, Ph.D.(sch. psychol.), 63. Teacher, Tipton Community Sch, 58-60; ASSOC. PROF. SCH. PSYCHOL., INDIANA STATE, 63-65. Del. Des Moines Child Guid. Center, Iowa, 69-70. Consult, Vigo County Diag. Counseling & Remedial Center, 67-. U.S.N.R., 53-61. Psychol. Assn; Coun. Except. Children. School psychology; treatment of emotionally disturbed children; stability of intelligence test scores. Publ.: Follow-up study of two methods of treating retarded readers, Teachers Col, J, 1/67; The stability of IQ scores among educable mentally retarded children, Training Sch. Bull., 2/70. Address: 200 Marigold Dr, Terre Haute, Ind. 47803.
- WALKER, PROF. ODELL L. b. Carter, Okla, Aug. 10, 30; m. 53; c. 4. AGRICULTURAL ECONOMICS. B.S. Okla. State, 52, M.S., 57; Ph.D.(agr. econ), Iowa State, 59. Instr. AGR. ECON., OKLA. STATE, 56-57, asst. prof., 59-62, assoc. prof., 62-64, PROF., 64-. ASST. DEAN GRAD. COL., 67-. v.chmn.-elect, gen. faculty, 69-70, v.chmn., 70-71. U.S.A., 53-55, Res., 55-62, Capt. Agr. Econ. Assn. production economics and farm management, especially application of mathematical programming, simulation and games to agricultural organization problems. Publ.: Computer applications in university farm management research: aggregative analysis, U.S. Dept. Agr., D.C., 68; co-auth. Extending the representative farm concept in farm management education, J. Farm Econ., 12/67 & Optimum allocation of North American resources: capital and management. In: A North American common market, Iowa State Univ., 69. Address: Dept. of Agricultural Economics, Oklahoma State University, Stillwater, Okla. 74074.
- WALKER, PROF. RICHARD LOUIS. Comparative Government, International Relations. See L-Z Vol. 11th ed, Soc. & Behav. Vols. New information: Mem. acad. adv. bd. center strategic & int. studies, Georgetown, 68-; mem. bd. dirs. Nat. Cmt. U.S.-China Rel., 69-. New publ.: Ancient China, Watts, 69. Address: Dept. of International Studies, University of South Carolina, Columbia, S.C. 29208.
- WALKER, DR. ROBERT (EDGAR). Animal Ecology & Behavior. See Suppl. VI to 11th ed, Phys. & Biol. Vols.
- WALKER, DR. ROBERT NEWTON. Psychology. See L-Z Vol. 11th ed, Soc. & Behav. Vols. New position & address: Prof., 70-, Dept. of Sociology, Sam Houston State University, Huntsville, Tex. 77340.
- WALKER, DR. ROBERT Y(ULE). Psychology. See L-Z Vol. 11th ed, Soc. & Behav. Vols. New position: Lectr. mech. eng. dept, Washington (Seattle), 69-. Address: 8877 42nd Ave, S.W., Seattle, Wash. 98116.
- WALKER, PROF. RONALD E. b. East St. Louis, Ill., Jan. 23, 35; m. 62; c. 4. PSYCHOLOGY. B.S. St. Louis, 57; M.A., Northwestern, 59, Ph.D.(psychol.), 61. Intern.-trainee clin. psychol., Vet. Admin. Hosps, Chicago area, Ill., 58-61; PROF. PSYCHOL. & CHMN. DEPT., LOYOLA (ILL.), 61- Lectr., Northwestern, 59-64; supvr. clin. training, Loyola Guid. Center, 65-65. Consult, Vet. Admin., 65-. Am. Psychol. Assn-Nat. Sci. Found. vis. scientist, 68-69; Am. Psychol. Assn-Nat. Inst. Ment. Health vis. consult, 69-70. AAAS; fel. Psychol. Assn. Manifest anxiety determinants of clinical judgment; sensitivity training effectiveness; diagnostic reliability variables. Publ.: Co-auth. The relationship between digit span and anxiety, 65 & Manifest anxiety and clinical judgment of schizophrenic cues, 65; J. Clin. Psychol.; co-auth. The effects of experimenter presence and subject briefing on social desirability scale scores, J. Clin. & Consult. Psychol., 70; plus others. Address: Dept. of Psychology, Loyola University, 6525 N. Sheridan Rd, Chicago, Ill. 60626.
- WALKER, PROF. WANDA C. HOLLINGSWORTH, b. Oakland, Ark, Mar. 28, 18; m. 38; c. 3. PSYCHOLOGY, EDUCATION. A.B. Arkansas, Fayetteville, 38, M.S., 50, Ed.D.(sec. ed), 53. Substitute teacher, pub. schs., Ark., 38-42, teacher, 48-50 & 53-55; assoc. prof., Miss. State Col, summer 55; asst. prof. ED. & PSYCHOL., NORTHWEST MO. STATE COL., 55-60, assoc. prof., 60-66, PROF., 66-. U.S. Off. Ed. res. grant, 69-. Volt Tech. Corp. consult, 70-. Child & educational psychology; evaluation and research; pupil evaluation; elementary methods. Publ.: Teacher's manual for Dr. A.T. Jersild's child psychology, Prentice-Hall, 5th ed, 60; Philosophy of education, Philos. Library, 63; Readiness tests for disadvantaged pre-school children, Ed. Resources Info. Center, 70. Address: Dept. of Psychology, Northwest Missouri State College, Maryville, Mo. 64468.
- WALLACE, DR. DAVID. Sociology. See L-Z Vol. 11th ed, Soc. & Behav. Vols. Change of address: 26 Rice's Lane, Westport, Conn. 06880.
- WALLACE, DR. JOHN (ARTER), b. Fargo, N.Dak, Sept. 5, 31; m. 53; c. 3. PSYCHOLOGY. B.A. North Dakota, 54; M.A., New Sch. Soc. Res., 57; Ph.D., Vienna, 63. Asst. dir. testing div., Long Island, 55-56; intern psychol. Div. Inst. & Agencies, N.J., 57-58; clin. psychologist, State Colony New Lisbon, N.J., 58-60; chief psychologist, Minn. State Reformatory for Men, 63-65; SR. PSYCHOLOGIST, NORTHEAST REGION MENT. HEALTH & RETARDATION CENTER, INC., 66- Lectr., North Dakota, 69-. Private practice, Family Inst,
- 69-. Consult, Grand Forks Civil Serv. Cmn., 66-. U.S.A., 51-52, S/Sgt. Orthopsychiat. Assn; Acad. Psychother. Psychol. Assn. Psychoanalytic psychotherapy; existential philosophy and its application to psychotherapy; community mental health. Publ.: Contrib. International resources in clinical psychology, McGraw, Austria, 64 & Handbook of clinical psychology, McGraw, New York, 65. Address: 1600 University Ave, Grand Forks, N.Dak. 58201.
- WALLACE, DR. PAUL. Political Science. See L-Z Vol. 11th ed, Soc. & Behav. Vols. New position: Assoc. prof., 69-, Dept. of Political Science, University of Missouri, Columbia, Mo. 65201.
- WALLACE, DR. PHYLLIS ANN. Economics. See L-Z Vol. 11th ed, Soc. & Behav. Vols. New position: V.pres. res. Metrop. Appl. Res. Center, 69- Address: 392 Central Park W., Apt. 11K, New York, N.Y. 10025.
- WALLACE, DR. RICHARD S. b. Washington, D.C., June 24, 34; m. 58; c. 3. ECONOMICS. A.B., Wofford Col, 58; Ph.D.(econ), Virginia, 65. Economist, Fed. Reserve Bank of Richmond, Va., 63-66; asst. prof. econ, Ga. State Col., 66-67, assoc. prof., 67-70; DEAN SCH. BUS. ADMIN., WINTHROP COL., 70-. U.S.A., 57-60, Lt. Econ. Assn. Money and banking; transportation and urban economics. Address: School of Business Administration, Winthrop College, Rock Hill, S.C. 29730.
- WALLACE, DR. ROBERT B. Psychobiology. See Suppl. VI to 11th ed, Phys. & Biol. Vols.
- WALLACE, DR. RUTH A. b. Gary, Ind, Sept. 13, 32. SOCIOLOGY. B.A., Immaculate Heart Col, 54, Notre Dame, 63; M.A., Immaculate Heart Col, 65, Ph.D.(sociol.), 68. Instr. SOCIOL., Immaculate Heart Col, 68, ASST. PROF., 68-70; GEORGE WASHINGTON, 70- Lectr., Calif. Col., Los Angeles, 69-70. Sociol. Assn. Sociology of religion and education; study of change of religious affiliation. Address: Dept. of Sociology, George Washington University, Washington, D.C. 20006.
- WALLACE, PROF. SCHUYLER CRAWFORD. Political Science. See 11th ed, Soc. & Behav. Vols., deceased 69.
- WALLACH, DR. MAXIMILIAN. Statistics, Actuarial Science. See L-Z Vol. 11th ed, Soc. & Behav. Vols. New position: Dep. supt. & actuary, Dept. Ins. D.C. Govt, 70-. Address: 8305 Melody Court, Bethesda, Md. 20834.
- WALLER, DR. HAROLD M(YRON). Political Science. See L-Z Vol. 11th ed, Soc. & Behav. Vols. New information: Also chmn., 69-, Dept. of Political Science, McGill University, Montreal, Que, Can.
- WALLER, PROF. JAMES MUIR. Finance. See L-Z Vol. 11th ed, Soc. & Behav. Vols. New information: Retired, Georgia, 68; vis. prof., 69-70, Dept. of Economics, University of Virginia, Charlottesville, Va. 22903.
- WALLER, DR. (THOMAS) GARY, b. Yazoo City, Miss., Dec. 26, 39; m. 62. EXPERIMENTAL PSYCHOLOGY. B.S. Southern Mississippi, 60, M.S., 61; Ph.D.(psychol.), Vanderbilt, 67. Res. assoc. human resources res. off. George Washington, 61-64; res. asst. PSYCHOL., Vanderbilt, 64-67, ASST. PROF., 67-68; WATERLOO, 68- AAAS; Psychol. Assn. Discrimination learning. Publ.: Effects of magnitude of reward in spatial and brightness discrimination tasks, J. Comp. & Physiol. Psychol., 66: 123-127. Address: Dept. of Psychology, University of Waterloo, Waterloo, Ont, Can.
- WALLERSTEIN, L(EBERT) (BENET). Labor Economics. See L-Z Vol. 11th ed, Soc. & Behav. Vols. New position: Economist, environ. develop. div. bur. pub. rds, U.S. Dept. Transportation, 69-. Address: 3505 Thornapple St. Chevy Chase, Md. 20015.
- WALLIN, DR. HERMAN ARNOLD. Sociology, Administrative Sciences. See L-Z Vol. 11th ed, Soc. & Behav. Vols. New position: Assoc. prof. centre studies admin., British Columbia, 69-. Address: 4190 Rose Crescent, West Vancouver, B.C., Can.
- WALLIN, DR. (JOHN) E(DWARD) WALLACE. Psychology. See 11th ed, Soc. & Behav. Vols., deceased 69.
- WALSH, PROF. JAMES ANTHONY. Psychology, Statistics. See L-Z Vol. 11th ed, Soc. & Behav. Vols. New position: Prof. psychol. & statist., 69-, Dept. of Psychology, Iowa State University, Ames, Iowa 50010.
- WALSH, PROF. RICHARD G. Agricultural Economics. See L-Z Vol. 11th ed, Soc. & Behav. Vols. New position & address: Prof., 68-, Dept. of Economics, Colorado State University, Fort Collins, Colo. 80521.
- WALSH, DR. WALTER BRUCE, b. Buffalo, N.Y., Nov. 6, 36. COUNSELING & ECOLOGICAL PSYCHOLOGY. B.S. Pa. State, 59; M.A., Kent State, 61; Ph.D.(ed), Iowa, 65. Asst. prof. PSYCHOL., OHIO STATE, 65-69, ASSOC. PROF., 69-. Psychol. Assn; Personnel & Guid. Assn. Ecological orientations; stability and change in human characteristics; behavioral assessment and modification in counseling; validity of self-report under differential conditions. Publ.: Co-auth. Strategies in counseling for behavior change, 70 & Behavior change in counseling: readings and cases, 70, Appleton; auth. Self-report under socially undesirable and distortion conditions, J. Counseling Psychol., 3/6/69. Address: Dept. of Psychology, Ohio State University 1945 N. High St, Columbus, Ohio 43210.
- WALSHE, DR. A. PETER, b. Johannesburg, South Africa, Jan. 12, 34; m. 57; c. 4. POLITICAL SCIENCE, ECONOMICS. B.A. Oxford, 56, M.A., 59, D.Phil.(polit. sci.), 68. Lectr. econ. Univ. Col. Pius XII, Basutoland, 59-62; asst. prof., NOTRE DAME, 62-63, ECON. & GOVT., 67-69, ASSOC. PROF., 70-. African Studies Assn. Rise of African nationalism in Southern Africa; comparative race relations, especially in Southern Africa, Caribbean and the United States. Publ.: The rise of African Nationalism in South Africa, C. Hurst, London, 70; The changing content of apartheid, Rev. Polit. 7/63; The

- origins of African political consciousness in South Africa, *J. Mod. African Studies*, 12/65. Address: African Studies Program, University of Notre Dame, Notre Dame, Ind. 46556.
- WALTER, DR. EUGENE V (ICTOR), b. New York, N.Y., Mar. 16, 25; m. c. 5. SOCIOLOGY. B.A. Miami (Fla.), 47; M.A. Duke, 49; Ph.D. (polit. sci.), Minnesota, 53. Instr. prof. Miami (Fla.), 50-51; soc. sci., Minnesota, 51-53; chmn. dept. polit. sci., Wis. State Coll., 53-54; asst. prof. polit. sci., Ohio Wesleyan, 54-55, assoc. prof., 55-57; Rockefeller fel. legal & polit. philos., 57-58; assoc. prof. polit., Brandeis, 58-61, sociol., 61-64; prof. sociol. & chmn. dept. soc. rels., Massachusetts, 65-67; prof. polit. sci. & sociol., Boston, 67-69; LECTR. SOCIOL. DEPT. PSYCHIAT. MED. SCH., HARVARD, 69; U.S.N. 43-46; Fel. Sociol. Assn. Anthropol. Assn. Political sociology and theory; sociological theory; political sociology and anthropology; urban sociology. Publ.: Co-auth. Power and civilization, Crowell, 62 & The critical spirit: essays in honor of Herbert Marcuse, Beacon, 67; auth. Terror and resistance: a study of political violence, Oxford Univ. Press, 69. Address: Lab. of Community Psychiatry, Harvard Medical School, 58 Fenwood Rd, Boston, Mass. 02115.
- WALTER, DR. JOHN (THOMAS). Economics. See L-Z Vol, 11th ed, Soc. & Behav. Vols. New position: Economist, bur. planning & mkt., U.S. P.O. Dept., 69. Address: 601 Creek Crossing Rd, N.E. Vienna, Va. 22180.
- WALTER, DR. KENNETH WILLIAM. Business Geography. See L-Z Vol, 11th ed, Soc. & Behav. Vols. Change of address: 17 Glenavoy Ave, Toronto 315, Ont, Can.
- WALTERS, DR. CHARLES G. b. Americus, Ga, Apr. 20, 29; m. 52; c. 4. MARKETING. B.S. Auburn (Ala.), 57; Ph.D. (econ.), Illinois, 63. Asst. prof. MKT. LA. STATE, BATON ROUGE, 61-66; ASSOC. PROF., 66- Nat. Assn. Purchasing Agents fel., 64; La. State Univ. Found. res. grants, 69-70. U.S.N. 48-52. Mkt. Assn. Marketing theory; consumer behavior; marketing channels. Publ.: Co-auth. Consumer behavior: an integrated approach, Irwin, 70; Credit record: information tool on planning, fall 66 & Appraising retailers use of the polygraph, winter 68, J. Retailing. Address: 919 Rodney Dr, Baton Rouge, La. 70808.
- WALTERS, DR. ERNEST J. JR, b. Pine Bluff, Ark, Oct. 27, 27; m. 57; c. 1. POLITICAL SCIENCE. B.S. La. State, 50; M.A. Chicago, 58, Danforth grant, 56-67, Ph.D. (polit. sci.), 66. Field rep. U.S. Civil Serv. Cmn, 52-54 & 56-62; asst. prof. POLIT. SCI., FURMAN, 67-69; ASSOC. PROF., 69- U.S.A. 46-47. Polit. Sci. Assn. Classical political theory; the emergence of behavioral social science from moral philosophy; the political and ethical basis of twentieth-century liberalism. Address: 26 Swanson Court, Greenville, S.C. 29609.
- WALTERS, PROF. J. HART, Jr, b. San Jose, Calif, Nov. 30, 25; m. 49; c. 3. ECONOMICS, MARKETING. B.A. California, 48, M.A. 54; Ford Found. fel., Pennsylvania, 56-58, Ph.D. (econ, mkt), 58. Asst. mkt., Illinois, 53-54; instr. Pennsylvania, 54-58; asst. prof. Cornell, 58-63; assoc. prof. bus. admin., George Washington, 63-68; PROF. MKT., TEMPLE, 68- Ford Found faculty res. fel. 61-62; bur. invest. Ind. Manpower Res. Summer, 64-69; Summer, S.C. Johnson & Son grant, 59. U.S.A.A.F. 43-46. Mkt. Assn. Econ. Assn. Comparative marketing systems; attitudinal research. Publ.: Structured or unstructured interviews, 4/60 & Retailing in Poland: a first hand report, 4/64, J. Mkt. Discrepancy of assortment, Temple Univ. Econ. & Bus. Bull., winter 68. Address: Dept. of Marketing, Temple University School of Business Administration, Philadelphia, Pa. 19122.
- WALTERS, DR. JOAN GILBERT, b. Providence, R.I., Aug. 5, 24; m. 56; c. 5. ECONOMICS. A.B. Harvard, 46, M.A., 48, Ph.D. (econ.), 51. Econ. res. asst., grad. sch. bus. admin., Harvard, 48-50; economist, int. finance div. Bd. Gov. Fed. Reserve Syst., 52-54; security analyst, investment div. dept. First Nat. City Bank, New York, N.Y. 54-57; instr. ASSOC. PROF. 62- U.S.A. 65, asst. prof., 65-70, ASSOC. PROF., 70- Fairchild Univ. Res. Coun. grant, bank & regional develop, 68-69, congenetics, 69-70. Consult. Choice. Can. Col. & Res. Librs. 65- AAAS; Econ. Assn.; Finance Assn. Money; banking, particularly nature and development of congenetics; international trade. Publ.: Education first-then contraception, Science, 9/68 & Is the one-bank holding company doomed?, Appalachian Financial Rev., 70. Address: 9 Holmes Court, Darien, Conn. 06820.
- WALTON, DR. DAN WELLS. Mammalogy, Anatomy. See Suppl. V to 11th ed, Phys. & Biol. Vols.
- WALTON, DR. JOHN T. b. Los Angeles, Calif, Sept. 22, 37; m. 66. SOCIOLOGY. B.A. San Fernando Valley State Coll., 60, M.A. 62; California, Los Angeles, 62-63, Berkeley, 63-64, Ph.D. (sociol.), Santa Barbara, 66. ASST. PROF. SOCIOL. NORTHWESTERN, 66- res. grant, coun. intersocietal studies, 67-69. Social. Assn. Soc. Study Soc. Probab. Polit. Sci. Assn. Political sociology; methods of social research; developing nations. Publ.: Current status of research on community power structure, 1/66 & Development decision making, 3/70, Am. J. Sociol.; A note on the sociology of knowledge, Am. Sociol. Rev. 10/66. Address: Dept. of Sociology, Northwestern University, Evanston, Ill. 60201.
- WALZ, DR. GEORGE BURNETT, b. Washington, D.C., Dec. 4, 39; m. 69. EXPERIMENTAL PSYCHOLOGY. B.S. Pa. State, 62; Kingsley fel. Lehigh, 63-65, M.S. 66, Ph.D. (psychol.), 69. Psychologist & res. asst. psychol. bur., Edgewood Arsenal, Md. 62-63; asst. dept. psychol., Lehigh, 65-67, teaching intern, 67-69; ASST. PROF. PSYCHOL., INDIANA UNIV. PA. 69. Aversive control of behavior; decision-making; chemical transfer of learning; early experience. Publ.: Co-auth. Selective attention in imprinting, 67 & Effect of UCS intensity on learning and performance in instrumental aversive conditioning, 68, Psychonomic Sci.; Unreliable data reports in probabilistic information processing, J. Exp. Psychol. (in prep). Address: Dept. of Psychology, Indiana University of Pennsylvania, Indiana, Pa. 15701.
- WANDEL, DR. WILLIAM H (AMLIN). Economics. See L-Z Vol, 11th ed, Soc. & Behav. Vols. New position & address: Prof. ins. risk, 68-, Temple University, Speakman Hall, Philadelphia, Pa. 19122.
- WANDERER, DR. ZEV W (ILLIAM). Clinical & Experimental Psychology. See L-Z Vol, 11th ed, Soc. & Behav. Vols. Change of address: 8712 Wilshire Blvd, Beverly Hills, Calif. 90211.
- WANG, PROF. GEORGE CHING YUAN. Chinese Culture. See 5th ed, Dir. Am. Scholars, Vol. I, Hist.
- WANG, DR. PETER C. Statistics. See L-Z Vol, 11th ed, Soc. & Behav. Vols. New position & address: Vis. asst. prof., 69-, Dept. of Statistics, Stanford University, 123 Sequoia Hall, Palo Alto, Calif. 94305.
- WARBERG, DR. CARLA MARIE, b. Denver, Colo, Dec. 14, 43. ECONOMICS. B.A. Colorado, 65, univ. fel. & M.A. Wisconsin, 68, Stoner fel. & Ph.D. (monetary econ), 70. FINANCIAL ECONOMIST, FED. RESERVE BANK DALLAS, 69- Econ. Assn. Monetary theory and policy; international monetary issues. Address: Federal Reserve Bank of Dallas, Dallas, Tex. 75222.
- WARD, DR. ALAN (JOSEPH), b. London, Eng. Nov. 26, 37; m. 59; c. 2. POLITICAL SCIENCE, INTERNATIONAL POLITICS. B.Sc. London, 58, Ph.D. (int. polit.), 67; M.A. Connecticut, 60, Brit. Assn. for Am. Studies fel., 61-62. Lectr. polit. Adelaide, 63-67; asst. prof. GOVT. COL. WILLIAM & MARY, 67-69, ASSOC. PROF., 69- Polit. Sci. Assn. Anglo-American relations; United States ethnic group history and politics; Irish government; theory of national self-determination. Publ.: Auth. Ireland and Anglo-American relations, 1890-1921, Univ. Toronto, 69; Freewill's Anglo-American campaign for Federalism, 1910-1921, 67 & America and the Irish problem, 68, Irish Hist. Studies. Address: Dept. of Government, College of William & Mary, Williamsburg, Va. 23185.
- WARD, DR. (FREDERICK) CHAMPION. Philosophy. See 5th ed, Dir. Am. Scholars, Vol. IV, Philos. Relig. & Law.
- WARD, PROF. EDWARD H (AZELBERG). Agricultural Economics. See L-Z Vol, 11th ed, Soc. & Behav. Vols. Change of address: Agricultural Development Council, Inc, 630 Fifth Ave, New York, N.Y. 10020.
- WARD, DR. HORACE SINGLETON, JR, b. Garanhuns, Brazil, Mar. 30, 39; U.S. citizen; m. 57; c. 1. COUNSELING PSYCHOLOGY. B.A. Cedarville Col. & B.S.E.d. Central State, 61; Nat. Defense Ed. Act fel. & M.A. Ohio State, 66, Ph.D. (counseling), 69. Instr. pub. schs. Ohio, 61-64; psychol. Ambassador Bible inst., 65-66; soc. sci. Lee Col. (Tenn), 66-67; res. assoc. psychol. col. med. Ohio State, 67-68; asst. prof., LEE COL. (TENN), 68-69, DEAN STUDENTS, 69- Res. consult., Ohio State Univ. Res. Found., 68-69. Personnel & Guid. Assn. Measurement & Eval. Guid. Problems and interest of adolescents; factors related to choice of medical occupations. Publ.: The generation gap: a diagnosis more deadly than the disease, Campus Call, 5/69; co-auth. Factors related to the choice of health professions, Personnel & Guid. J. (in press). Address: Lee College, Cleveland, Tenn. 37311.
- WARD, DR. INGEBORG L. Physiological Psychology. See Suppl. V to 11th ed, Phys. & Biol. Vols.
- WARD, PROF. NORMAN. Political Science. See L-Z Vol, 11th ed, Soc. & Behav. Vols. Correction in address: Dept. of Economics & Political Science, University of Saskatchewan, Saskatoon, Sask, Can.
- WARD, DR. OTIS BYRON, Jr, b. Richmond, Va, Sept. 19, 37; m. 63; c. 2. EXPERIMENTAL PSYCHOLOGY. B.A. Duke, 58, M.A. Richmond, 61; Ph.D. (psychol.), Tulane, 68. Res. asst. physiol. psychol. sch. med. Tulane, 63-66, res. assoc. 66; ASST. PROF. EXP. PSYCHOL., VILLANOVA, 66- Brain stimulation and recording techniques as related to primary motivational states; animal learning. Publ.: Co-auth. Magnesium pemoline: effect on food reinforced discrimination performance in rats, Psychonomic Sci. 11/68, Effects of prior experience on approach and avoidance acquisition, Perceptual & Motor Skills, 12/68 & Subcortical brain activity during copulation in the male rat, Proc. Am. Psychol. Assn. Convention, 70. Address: Dept. of Psychology, Villanova University, Villanova, Pa. 19085.
- WARD, DR. RICHARD J (JOSEPH). Economics. See L-Z Vol, 11th ed, Soc. & Behav. Vols. New position: Mgr. Peat, Marwick, Mitchell, Inc, 69- New publ.: Essays on positive economics, Fordham Univ. 71. Address: 10309 Garden Way, Potomac, Md. 20854.
- WARDE, DR. JOHN MAXWELL. Economics. See L-Z Vol, 11th ed, Soc. & Behav. Vols. Correction: Note to v. pres, 44-, Mining & Metals Division, Union Carbide Ore Co, 270 Park Ave, New York, N.Y. 10017.
- WARE, DR. EDWARD E (RNEST). Psychology. See L-Z Vol, 11th ed, Soc. & Behav. Vols. New position & address: Assoc. prof. Dept. of Psychology, University of Waterloo, Waterloo, Ont, Can.
- WARE, RICHARD A (NDERSON). Political Science, Public Administration. See L-Z Vol, 11th ed, Soc. & Behav. Vols. New information: On leave from Reim Found. as prin. dep. asst. secy. defense for int. security affairs, Dept. of Defense, 69- Address: Reim Foundation, 904 First National Bldg, Ann Arbor, Mich. 48108.
- WARGO, DR. DONALD GEORGE. Psychology. See L-Z Vol, 11th ed, Soc. & Behav. Vols. New position & address: Res. clin. psychologist, 69-, Children's Asthma Research Institute & Hospital, 3401 W. 19th Ave, Denver, Colo. 80204.
- WARNING, JOHN A (LFRED). History of Science & Technology. See 5th ed, Dir. Am. Scholars, Vol. I, Hist.
- WARK, DR. DAVID MAYER, b. Los Angeles, Calif, Aug. 8, 34; m. 57; c. 2. PSYCHOLOGY. B.A. Pomona Coll, 56; Ph.D. (psychol.), Minnesota, 61. Asst. prof. PSYCHOL. MINNESOTA, MINNEAPOLIS, 63-67, ASSOC. PROF., 67- Med. Serv. C. U.S.A. 61-63, Capt. Psychol. Assn. Study skills; counseling; applications of behavior technology to adult reading problems. Publ.: Co-

- auth, Systems for study & auth, Read, underline, review, McGraw, 70. Address: Student Counseling Bureau, University of Minnesota, Minneapolis, Minn. 55455.
- WARKENTIN, PROF. JOHN H(ENRY). Geography. See L-Z Vol, 11th ed, Soc. & Behav. Vols. Change of address: Dept. of Geography, York University, Downsview, Ont, Can.
- WARKOV, PROF. SEYMOUR. Sociology. See L-Z Vol, 11th ed, Soc. & Behav. Vols. New position & address: Prof, 69-, Dept. of Sociology, University of Connecticut, Storrs, Conn. 06268.
- WARLEY, PROF. T. K. b. Driffield, Eng, Aug. 19, 30; m. 55; c. 2. AGRICULTURAL ECONOMICS. B.Sc. Nottingham, 53, M.Sc. Res. asst. AGR. ECON, Nottingham, 53-56, asst. lectr, 56-59, lectr, 59-87, reader, 87-89; PROF. GUELPH, 70-, vis. prof. Guelph, 69, Consult. European Econ. Community Cntr, 61-62; Ministry of Agr, U.K. 67-69. Mem. panel on cooperatives, Ministry of Overseas Develop, 68-69; adv. coun. Centre Int. Coop. Training, U.K. 68-69; adv. panel of economists, Meat & Livestock Cmn, 68-69. Brit. Army, 48-50, Sgt. Am. Agr. Econ. Assn; Can. Agr. Econ. Soc; Brit. Econ. Soc. Problems of international trade in primary commodities; problems of national and international agricultural policy, particularly in western Europe. Publ: Agriculture: the cost of joining the common market, Royal Inst. Int. Affairs, 67; ed, Agricultural producers and their markets, Blackwell, 67; auth, Chap. In: The economic integration of European agriculture, Neidenfell & Nicholson, 69. Address: Ontario Agriculture College, University of Guelph, Guelph, Ont, Can.
- WARM, DR. JOEL S. Experimental Psychology. See Suppl. VI to 11th ed, Phys. & Biol. Vols.
- WARNE, PROF. CLINTON L(EE). Economics. See L-Z Vol, 11th ed, Soc. & Behav. Vols. New information: Also acting chm, 68-, Dept. of Economics, Cleveland State University, 13 F, 2344 Euclid St, Cleveland, Ohio 44115.
- WARNE, DR. WILLIAM E(LMO). Public Administration. See L-Z Vol, 11th ed, Soc. & Behav. Vols. New information: Independent consult, 69- Address: 2090 Eighth Ave, Sacramento, Calif. 95818.
- WARNECKE, DR. STEVEN M. b. Mar. 31, 39; U.S. citizen. POLITICAL SCIENCE. A.B. Columbia, 60, fel. 62-64, Ph.D.(reform co-determination German Civil Serv), 67. Res. assoc. polit. dept. pub. law & govt, Columbia, 67-68; ASST. PROF. POLIT. RICHMOND COL. 68-; DIR. SEMINAR EUROPEAN COMMON MARKET STUDIES, CITY UNIV. NEW YORK, 69- Grants, Chancellor's Fund, City Univ. New York, 69; Ford Found. & Cmn. European Econ. Community, 70-71. Polit. Sci. Assn. German politics; constitutionalism; political culture; European political and economic integration; political theory. Publ: The NPD and the future of rightest extremism, Comp. Polit, 70, Student politics: a cultural-pedagogical view, Yale Rev, 70; Models for the future of Western and Eastern Europe, Studies for New Cent. Europe, 70, Address: Dept. of Politics, Richmond College, 130 Stuyvesant Place, Staten Island, N.Y. 10301.
- WARNER, PROF. AARON W. Economics, Law. See L-Z Vol, 11th ed, Soc. & Behav. Vols. New information: Also dean faculty, 69-, School of General Studies, Columbia University, 414 Lewisohn Hall, New York, N.Y. 10027.
- WARNER, PROF. DANIEL S. b. Dallas, Tex, July 10, 07; m. 39; c. 3. MASS COMMUNICATIONS. A.B. Michigan, 28; M.S. Oregon, 58. Assoc. prof. COMMUN. WASHINGTON (SEATTLE), 54-62, PROF, 62- Asn. ed. In Journalism; Mkt. Assn. fel. Acad. Adv.(pres. 62). Advertising; marketing. Publ: Co-auth, Advertising, 62. Speaking, 62. Advertising, 63 & auth, Marketing and distribution: an overview, 69, McGraw. Address: 1810 Plaza 600, Seattle, Wash. 98101.
- WARNER, DR. LYLE GORDON. Sociology. See L-Z Vol, 11th ed, Soc. & Behav. Vols. Change of address: Dept. of Sociology, University of Nevada, Reno, Nev. 89506.
- WARNER, DR. WILLIAM S(COTT). Clinical Psychology. See L-Z Vol, 11th ed, Soc. & Behav. Vols. Change of address: 2228 Chaffield Dr, Cleveland, Ohio 44106.
- WARRACK, DR. ALLAN A. Agricultural & General Economics. See L-Z Vol, 11th ed, Soc. & Behav. Vols. New position: Assoc. prof, 69-, Dept. of Agricultural Economics, University of Alberta, Edmonton, Alta, Can.
- WARREN, DR. CLAUDE NELSON. Anthropology. See L-Z Vol, 11th ed, Soc. & Behav. Vols. New position & address: Assoc. prof, 69-, Dept. of Anthropology, University of Nevada, Las Vegas, Nev. 89109.
- WARREN, DR. DAVID H(ARDY). b. Chelsea, Mass, July 28, 43; m. 67. PSYCHOLOGY. B.A. Yale, 65; Nat. Inst. Ment. Health traineeship, Minnesota, 65-69, Ph.D.(child develop), 69. ASST. PROF. PSYCHOL. CALIFORNIA, RIVERSIDE, 69- Perception and perceptual development, especially the development of intersensory organization in humans. Publ: Co-auth, Sensory conflict in judgments of spatial direction, Perception & Psychophys, 7, 69; auth, Intermodality interaction in spatial localization, Cognitive Psychol, 7, 70. Address: Dept. of Psychology, University of California, Riverside, Calif. 92502.
- WARREN, PROF. NEIL D. Psychology. See L-Z Vol, 11th ed, Soc. & Behav. Vols. New information: No longer dean col. letters, arts & sci, Southern California. Address: Dept. of Psychology, University of Southern California, Los Angeles, Calif. 90007.
- WARREN, DR. RUSSELL GLEN. b. Baltimore, Md, Apr. 29, 42. ECONOMICS. B.S.B.A. Richmond, 64; Ph.D.(econ). Tulane, 68. Instr. ECON, Tulane, 65-66; RICHMOND, 66-68, ASST. PROF, 68- Part-time instr, Indiana, Indianapolis, 69-70; instr, U.S. Army Finance Sch, 69-71. Finance C. U.S.A., 69-71, Capt. Econ. Assn. Government regulation of business; macroeconomics; international trade. Publ: Economics of closed-territory distribution. Antitrust Law & Econ. Rev, winter 68-69. Address: Dept. of Economics, University of Richmond, Richmond, Va. 23173.
- WARREN, DR. WILLIAM HERBERT. b. Newport News, Va, July 21, 24; m. 48; c. 5. INDUSTRIAL PSYCHOLOGY, BUSINESS ADMINISTRATION. B.S. Richmond, 48; M.S. Purdue, 50, Ph.D.(indust. ed), 70. Asst. prof. mgt. Richmond, 50-54; dir. indust. rels. paper mfg. div. Ethyl Corp, 54-64, prod. mgr. corrugated container div, 64-66; ASSOC. PROF. TECH. PURDUE, 66- Consult. Buehler Corp, Ind, 66- U.S.N., 43-46, Res, 50-55, Lt. Psychol. Assn. Organization development; motivation; attitude measurement; market research; psychological testing; labor relations; educational technology. Publ: A study of computer use in medium sized manufacturing concerns, Off. Manpower Studies, Purdue Univ, 68. Address: 625 Cumberland Ave. West Lafayette, Ind. 47906.
- WARSHAY, DR. LEON H(AROLD). Sociology. See L-Z Vol, 11th ed, Soc. & Behav. Vols. New position: Assoc. prof. sociol, Wayne State, 69- Address: 18694 Oak Dr, Detroit, Mich. 48221.
- WASHBURN, RICHARD IRVIN. Forest Entomology. See Suppl. V to 11th ed, Phys. & Biol. Vols.
- WASHBURN, PROF. R(OGER) D(AVENPORT). Business Administration. See L-Z Vol, 11th ed, Soc. & Behav. Vols. New information: Part-time instr. advert, Chamberlayne Jr. Col, 65- Address: 26 Hemenway St. Apt. 40, Boston, Mass. 02115.
- WASKOW, DR. IRENE E. Psychology. See L-Z Vol, 11th ed, Soc. & Behav. Vols. New position: Res. psychologist, clin. res. br. 69-, National Institute of Mental Health, Barlow Bldg, Room 10A-06, 5454 Wisconsin Ave. Chevy Chase, Md. 20015.
- WASOWSKI, DR. STANISLAW. b. Radomsko, Poland, May 9, 23; m. 52; c. 3. ECONOMICS. B.A. Paris, 49; B.Sc. London Sch. Econ, 51. Ph.D.(int. econ). 55. Reporter, Mid-European Res. Center, Paris, 51-53; prog. asst. Brit. Broadcasting Corp, Eng, 53-55; ed, Radio Free Europe, Munich, West Germany, 55-57; asst. prof. econ, Duquesne, 57-59; from asst. prof. to assoc. prof. Georgetown, 59-65; MEM. RES. STAFF INST. ECON. INST. DEFENSE ANALY, 64- Polish Armed Forces, 41-46. Econ. Assn. Economic theory; theory of international trade; economics of integration: East-West trade; international monetary problems. Publ: Co-auth & ed. East-West trade and the technology gap, 70 & auth, The trend toward economic integration, In: NATO in quest of cohesion, 65, Praeger: The fuel situation in eastern Europe, Soviet Studies, 6/69. Address: 1603 Holly Court, McLean, Va. 22101.
- WASS, DR. DONALD LEO, b. Columbus, Neb, July 29, 32; m. 55; c. 4. INDUSTRIAL PSYCHOLOGY. B.A. Western Michigan, 58. M.A., 59; Ph.D. (indust. psychol), Purdue, 62. Chief eval. sect, Enlisted Eval. Center, U.S. Army, 62, res. dir, 63-65; mgr. personnel res. TEX. INSTRUMENTS, DALLAS, 65-66; MGR. PERSONNEL RES. TRAINING & DEVELOP. 66- Meritorious Civilian Serv. award, 65. U.S.A.F. 51-55, S/Sgt. Psychol. Assn. Motivation; management by objectives; attitude assessment; psychological evaluation; turnover reduction; job enrichment; communications; team development and personnel research. Publ: Teams of Texans learn to save millions, Training in Bus. & Indust, 11/67; co-auth, Promoting goal seeking behavior in managers, In: Part II, Managing for accomplishment, Heath Lexington, 70. Address: 923 Creekside, Richardson, Tex. 75080.
- WASSERMAN, DR. GERALD STEWARD, b. Brooklyn, N.Y., Nov. 22, 37; m. 62; c. 2. PSYCHOLOGY, NEUROPHYSIOLOGY. B.A. N.Y. Univ, 60; Nat. Insts. Health fel, Mass. Inst. Tech, 63-65, Ph.D.(psychol), 65. Res. asst. psychol. Bellevue Med. Center, N.Y. Univ, 59-61; West Haven Vet. Admin. Hosp, 61; Mass. Inst. Tech, 61-62, teaching asst, 62-63; fel. ophthalmol. br. Nat. Inst. Neurol. Diseases & Blindness, 65-67; ASST. PROF. PSYCHOL. WISCONSIN, MADISON, 67- Prin. investr, Nat. Sci. Found. res. grant, 69- AAAS Optical Soc. Am; Psychol. Assn. Color vision; psychophysics; electrophysiology; neuropsychology; theories of color vision; small nervous systems; single cell recording. Publ: Brightness enhancement and opponent colors theory. 66 & Limulus receptor action spectra, 69, Vision Res; Heterochromatic additivity failure, Psychol. Rev, 69. Address: Dept. of Psychology, University of Wisconsin, Madison, Wis. 53706.
- WASSINK, DR. DARWIN, b. Edgerton, Minn, Oct. 3, 34; m. 63; c. 2. ECONOMICS. B.A. Minnesota, 62; M.A. Stanford, 65, Ph.D.(econ), 68. ASST. PROF. ECON, IOWA, 67- U.S.A.F. 55-58, Res, 60-67, Capt. Econ. Assn. Study of relationships between government policy and economic growth and development, especially interregional impacts. Address: Dept. of Economics, University of Iowa, Iowa City, Iowa 52240.
- WASSON, PROF. CHESTER R(EYNOLDS). Marketing. See L-Z Vol, 11th ed, Soc. & Behav. Vols. Change of address: 1100 Geneva Rd, 31 B, St. Charles, Ill. 60174.
- WASSON, PROF. WOODROW WILSON, b. Cottonwood, Tenn, June 6, 16; c. 2. SOCIOLOGY, HISTORY OF RELIGION. A.B. Vanderbilt, 39, A.M., 40; B.D. Chicago, 42, fel, 44-45, Ph.D.(sociol. hist. relig), 47; M.L.S. George Peabody Col, 67. Prof. soc. sci, Okla. State Col, 47-48; Houston, 48-49; prof. sociol. & relig. & dean Christian Col, Georgia, 49-56; prof. hist. & sociol. relig. Vanderbilt, 56-57; archivist & dir. res, Disciples of Christ, Hist. Soc, 59-64; archivist & curator, Vanderbilt Univ. & Joint Unvs. Libraries, Nashville, Tenn; 64-69; PROF. SOCIOL. MIDDLE TENN. STATE, 69- Fel, Oxford, 57-58. Soc. Sci. Study Relig; Sociol. Assn. Acad. Polit. & Soc. Sci. Sociology and history of religion; deviant behavior; marriage and the family. Publ: James A. Garfield—a study in the interrelationship of religion and politics. Tenn. Book Co, 52; co-ed, Christian-Evangelist Index, Disciples of Christ Hist. Soc, Vols. I, II & III, 62; auth, The dynamics of religious controversy, Mid-Stream, 64. Address: 1900 Randolph Place, Nashville, Tenn. 37215.

- WATERHOUSE, DR. WARREN CLAYTON. Business Administration, Management. See L-Z Vol, 11th ed, Soc. & Behav. Vols. New position: Chmn, 68-, Dept. of Management, Bowling Green State University, Bowling Green, Ohio 43402.
- WATERMAN, DR. ANTHONY MICHAEL CHARLES. b. Southampton, Eng. June 4, 31; Can. citizen; m. 55; c. 4. ECONOMICS, ECONOMIC HISTORY. B.A. Cambridge, 54, M.A., 58; B.Th. Manitoba, 62; scholar, Australian Nat. Univ. 64-67, Ph.D.(econ), 68. Auditor, Fred Page Higgins & Co, Toronto, 54-56; econ. analyst chem. div. Can. Indust. Ltd, Montreal, 56-59; lectr. econ. & polit. sci. St. John's Col.(Man), 59-62; asst. prof. ECON, 62-64; ASSOC. PROF. MANTOBA, 67. Brit. Army 50-51, Lt. Can. Econ. Assn. Theory of economic policy in open economies; theory of growth and fluctuations in open economies; international monetary and exchange rates theory. Publ: Economic fluctuations in Australia, Australian Nat. Univ. 70; Some footnotes to the swan diagram: or how dependent is a dependent economy? Econ. Record, 9/66; The timing of economic fluctuations in Australia, January 1948 to December 1964, Australian Econ. Papers, 6/67. Address: Dept. of Economics, St. John's College, Winnipeg 19, Man, Can.
- WATERMAN, DR. HARVEY, b. Chicago, Ill, Sept. 2, 39; m. 65; c. 1. POLITICAL SCIENCE. A.B. Southern California, 61; Wilson tel. & A.M. Chicago, 63, Ph.D.(polit. sci), 69. Res. assoc. center int. studies, Princeton, 64-65; ASST. PROF. POLIT. SCI., DOUGLASS COL., RUTGERS, 66. Polit. Sci. Assn; Sociol. Assn; Int. Polit. Sci. Assn. Political style and sociology of industrialized societies; political mobilization of cultural minorities; empirical democratic theory; Western Europe. Publ: Political change in contemporary France, Merrill, 69. Address: Dept. of Political Science, Douglass College of Rutgers, The State University, New Brunswick, N.J. 08903.
- WATERS, DR. MAURICE. Political Science, International Relations. See L-Z Vol, 11th ed, Soc. & Behav. Vols. New position: Prof, Wayne State Univ. Publ: Conferece on ed. The Caribbean and Latin America: a symposium, 69, Univ. West Indies, Address: Dept. of Political Science, Wayne State University, Detroit, Mich. 48202.
- WATERS, DR. THOMAS J(OSEPH), b. Philadelphia, Pa, Feb. 12, 31. PSYCHOLOGY. B.A. La Salle Col, 52; M.A. Fordham, 54; Ph.D.(psychol), Missouri, 62. Asst. Training Sch, Vincennes, N.J., 54; psychol. intern. Vet. Admin. Hosp. Jefferson Barracks, Mo, 56; psychologist, Fulton State Hosp, 56-62; Ft. Logan Ment. Health Clin, Colo, 62-65; Clatsop County Ment. Health Clin, Ore, 65-68, dir, 68-69; CHIEF PSYCHOLOGIST, CLACKAMAS COUNTY MENT. HEALTH CLIN, OREGON CITY, 69. Consult, Tillamook County Ment. Health Clin, 66. Schizophrenia; self concept. Address: 3836 S.W. Hewitt, Portland, Ore. 97221.
- WATERS, DR. WILLIAM F. b. Dayton, Ohio, Apr. 25, 43; m. 67; c. 1. PSYCHOLOGY. B.A., Tulane, 64; M.S. Western Reserve, 66; Ph.D.(psychol), Case Western Reserve, 69. ASST. PROF. MED. PSYCHOL, SCH. MED, MISSOURI, COLUMBIA, 69. CLIN. PSYCHOLOGIST, MID. MO. MENT. HEALTH CENTER, 69. Consult, Woodhaven Christian Children's Home, 68; exten. div, Univ. Mo, 68; prnl. ad. bd, Mo. Assn. Ment. Health, 68-Psychol. Assn. Human defensive behavior and sympathetic recovery; human reinforcement hierarchies; sympathetic habituation in desensitization therapies; behavior modification research; human conditioned emotional responses. Address: Dept. of Psychiatry, University of Missouri School of Medicine, Columbia, Mo. 65201.
- WATERSTON, ALBERT. Economics. See L-Z Vol, 11th ed, Soc. & Behav. Vols. New position: Lectr. econ. develop. inst, World Bank, 68. Address: 7117 Braeburn Place, Bethesda, Md. 20804.
- WATKINS, PROF. CALVERT (WARD). Linguistics. See 5th ed, Dir. Am. Scholars, Vol. III, For. Lang. Ling. & Philol.
- WATKINS, DR. DWIGHT G. b. Cincinnati, Ohio, Sept. 4, 23; m. 49. PSYCHOLOGY, GEOGRAPHY. B.A. Cincinnati, 49; M.A., 50; D.Ed.(testing), 66. Dir. guid. & testing, Southwest Local Dist, 59-63; guest lectr. ed. psychol, Cincinnati, 64-65; asst. prof. ed. psychol, testing & interviewing, Wis. State-Oshkosh, 66-69; ASSOC. PROF. ED. FOUNDS. & TESTING, YOUNGSTOWN STATE, 69. Lectr. inserv. training, Winnebago State Hosp, Oshkosh, Wis, 68 & Woodside Receiving Hosp, Youngstown, Ohio, 69-70. Consult, Hamilton County Pub. Schs, 64-65; Consolidated Ed. Serv. Area, 67-68. U.S.A.F., 43-46. Psychol. Assn. Personnel & Guid. Assn; Geog. Assn. Testing in regard to learning, behavioral change and academic aptitude; impact of population density on behavioral activity. Address: Dept. of Educational Foundations, Youngstown State University, Youngstown, Ohio 44512.
- WATKINS, DR. MARSHALL OWEN. Public Administration, Economics. See L-Z Vol, 11th ed, Soc. & Behav. Vols. New information: Retired, Univ. Florida, dir. exten. Univ. Ghana, 69. Address: University of Ghana, P.O. Box 68, Legon, Accra Ghana, Africa.
- WATKINS, DR. RALPH J(MES). Economics. See L-Z Vol, 11th ed, Soc. & Behav. Vols. New information: Team leader, state investment planning prof, Ford Found. & sr. consult, Indian Planning Cmn, 69. Address: 7 Ratendone Rd, New Delhi 11, India.
- WATKINS, DR. RICHARD W(WALKER). Educational Psychology. See L-Z Vol, 11th ed, Soc. & Behav. Vols. New position: Assoc. lab. dir. prog., 69. Far West Lab. for Educational Research & Development, 1 Garden Circle, Hotel Claremont, Berkeley, Calif. 94705.
- WATSON, PROF. BILLY, b. Dallas, Tex. Sept. 26, 22; m. 45; c. 2. ORGANIZATIONAL BEHAVIOR. B.B.A. Texas, 47; M.B.A. Southern Methodist, 61; D.B.A. Colorado, 65. Instr. mgt. Colorado, 61-63; asst. prof. orgn. behav. Arizona State, 63-65; assoc. prof. policy & admin, SOUTHERN METHODIST, 65-68, PROF. ORGN. BEHAV. & POLICY & ASSOC. DEAN SCH. BUS, 68-U.S.N., 41-45, Lt.(g). Acad. Mgt; Econ. Assn. Conflict resolution in organization; organization development; policy and administration. Publ: Co-auth, Simplified statistics, Pruitt, 63 & Contemporary American business, South-
- ern Methodist Univ. 68. Address: School of Business Administration, Southern Methodist University, Dallas, Tex. 75222.
- WATSON, DR. DAVID LOCKE, b. Nashville, Tenn, Jan. 1, 34; m. 57; c. 1. PSYCHOLOGY. B.A. Vanderbilt, 59; M.S. Yale, 61, Ph.D.(psychol), 63. Asst. prof. PSYCHOL, Toronto, 63-66; assoc. prof. 66-67. Pubright lectr. Pierce Col, Athens, 67-68; ASSOC. PROF. HAWAII, 68. Consult, Ont. Hosps, 63-66. U.S.A. 53-56. Psychol. Assn. Human anxiety; personality measurement; interaction of cognitive and social variables to affect personality. Publ: Co-auth, Anxiety and the interruption of behavior, In: Anxiety and behavior, Acad. Press, 66 & Measurement of social-evaluative anxiety, J. Clin. & Consult. Psychol, 33: 448-457; auth. Neuroticism, introversion, rigidity and dogmatism, In: Readings in introversion-extraversion, McGibbon, London, 70. Address: Dept. of Psychology, University of Hawaii, Honolulu, Hawaii 96822.
- WATSON, PROF. DONALD ARDEL. Economics. See L-Z Vol, 11th ed, Soc. & Behav. Vols. Change of address: Bureau of Business & Economic Research, University of Oregon, Eugene, Ore. 97403.
- WATSON, PROF. GOODWIN. Social Psychology. See L-Z Vol, 11th ed, Soc. & Behav. Vols. New position: Assoc. dir. univ. exp. cols, 69. Address: 170 Lisa Lane, Yellow Springs, Ohio 45387.
- WATSON, PROF. JEWELL. Business Administration. See L-Z Vol, 11th ed, Soc. & Behav. Vols. New information: C.L.U. Am. Col. Life Underwriters, 68. Address: Northeast Louisiana State College, Monroe, La. 71201.
- WATSON, DR. JOHN E(RNEST). Physiology, Psychology. See Suppl. VI to 11th ed, Phys. & Biol. Vols.
- WATSON, DR. NELSON A(ZER). Social Psychology, Criminology. See L-Z Vol, 11th ed, Soc. & Behav. Vols. New position: Dir. prfl. standards div, Int. assn. chiefs police, 69. Address: 3326 Longbranch Dr, Falls Church, Va. 22041.
- WATSON, DR. RICHARD ALLAN. Philosophy, Human Ecology. See 5th ed, Dir. Am. Scholars, Vol. IV, Philos. Relig. & Law.
- WATSON, DR. VIRGINIA. Anthropology. See L-Z Vol, 11th ed, Soc. & Behav. Vols. Change of address: 9010 N. Mercer Way, Mercer Island, Wash. 98040.
- WATSON, WALTER S(AMUEL). Applied Psychology. See L-Z Vol, 11th ed, Soc. & Behav. Vols. New information: Retired, 70. Address: 169 Walnut Ave, Bogota, N.J. 07603.
- WATSON, PROF. WILLIAM. Social Anthropology, Sociology. See L-Z Vol, 11th ed, Soc. & Behav. Vols. New position & address: Prof. & chmn, 69-, Dept. of Sociology, University of Oklahoma, 455 W. Lindsay, Room 521, Norman, Okla. 73069.
- WATSON, DR. WILLIAM BRAASCH. Modern & Medieval History. See 5th ed, Dir. Am. Scholars, Addenda, Vol. I, Hist.
- WATT, DR. JOHN ROBERTSON. Contemporary & East Asian History. See 5th ed, Dir. Am. Scholars, Vol. I, Hist.
- WATTENBERG, PROF. WILLIAM W(WOLFF). Educational Psychology. See L-Z Vol, 11th ed, Soc. & Behav. Vols. New information: Also acting chmn. dept. ed. psychol, Wayne State. Address: 20220 Murray Hill, Detroit, Mich. 48235.
- WATTS, DR. VERVON ORVAL. Economics. See L-Z Vol, 11th ed, Soc. & Behav. Vols. Change of address: 600 Hillcrest Ave, Pasadena, Calif. 91103.
- WAUGH, DR. NANCY C(OLLIER). Psychology. See L-Z Vol, 11th ed, Soc. & Behav. Vols. New information: Prin. assoc, Harvard Med. Sch, 69; assoc. psychologist, Mass. Gen. Hosp, 69. Address: Psychiatry Research, Massachusetts General Hospital, Boston, Mass. 02114.
- WEAR, DR. JAMES OTTO. Physical Chemistry, Biophysics. See Suppl. VI to 11th ed, Phys. & Biol. Vols.
- WEARDEN, PROF. STANLEY. Statistics. See L-Z Vol, 11th ed, Soc. & Behav. Vols. New information: Also chmn, 69-. Dept. of Statistics & Computer Science, West Virginia University, Morgantown, W. Va. 26505.
- WEATHERBEE, DR. DONALD E. b. Portland, Maine, June 21, 32; m. 54; c. 5. INTERNATIONAL RELATIONS, POLITICAL SCIENCE. A.B. Bates Col, 54; M.A. Hopkins, 56, Ford Found. For. Area fel, 62-64, Ph.D.(int. rels), 68. Spec. lectr. int. rels, Gedjah Mada, Jogjakarta, 57-61; asst. prof. INT. STUDIES, SOUTH CAROLINA, 64-68. ASSOC. PROF. 68. Summer vis. prof, Rhode Island, 66; Free Univ. Berlin, 69. Consult, S.C. State Dept. Ed, 67-68; mem, Southeast Asia Develop. Adv. Group. Am. Polit. Sci. Assn; Asian Studies; Int. Studies Assn; Netherlands Royal Inst. Ling. & Anthropol. Asian political development and international relations; field work in Southeast Asia, particularly Indonesia and Taiwan. Publ: Ideology in Indonesia: Sukarno's Indonesian revolution, Yale Southeast Asia Prog, 66; contrib, Aspects of modern Communism, Univ. South Carolina, 69; auth, United front in Thailand: a documentary analysis, Inst. Int. Studies, 70. Address: Dept. of International Studies, University of South Carolina, Columbia, S.C. 29208.
- WEATHERBY, DR. JOSEPH NORMAN, JR. POLITICAL SCIENCE. B.A. Baylor, 58, M.A., 62; B.F.T. Am. Inst. For. Trade, 61; cert, Utah, 67 & 68, Ph.D.(polit. sci, geog), 68. Int. ops. inst. div, Ford Motor Co, 62-64; ASSOC. PROF. Bay de Noc Col, Mich, 64-65; Utah, 65-68; POLIT. SCI. & GEOG, CALIF. STATE POLYTECHNIC COL, SAN LUIS OBISPO, 68. Address: Dept. of Social Sciences, California State Polytechnic College, San Luis Obispo, Calif. 93401.

- WEAVER, DR. CHARLES NORRIS, b. Oct. 2, 37; U.S. citizen. MANAGEMENT, MARKETING. B.B.A., Southern Methodist, 58; M.B.A. 59; Ph.D. (mgt. mkt), Texas, Austin, 67. Instr. bus. Pan Am. Col. 61-63; asst. prof. MGT. & MKT. ST. MARY'S (TEX), 64-67, ASSOC. PROF. & CHMN. DEPT. 67. Consult. Mex. Am. Affairs Unit, U.S. Off. Ed. Dept. Health, Ed. & Welfare, 68- Organizational behavior. Publ: An empirical study to aid in the selection of retail sales clerks, J. Retailing, fall 69 & Accidents as a measure of the cultural adjustment of Mexican-Americans, Sociol. Quart., spring 70; co-auth. A comparison of the job performance of Mexican-Americans and Anglo-Americans, Calif. Mgt. Rev., summer 70. Address: Dept. of Marketing Management, St. Mary's University, 2700 Cincinnati Ave., San Antonio, Tex. 78228.
- WEAVER, DR. FREDERICK STIRTON, JR., b. Berkeley, Calif., Aug. 22, 39; m. 64; c. 1. ECONOMICS. B.A., California, Berkeley, 61; Washington (Seattle), 61-62; For. Areas, 62-66; Ph.D. (econ), Cornell, 68. ASST. PROF. ECON. CALIFORNIA, SANTA CRUZ, 67. Econ. Assn; Latin Am. Studies Assn; Union Radical Polit. Econ. Economic history and development of Latin America; models and studies of international trade and economic development. Publ: The dynamics of U.S. investment in Latin America, Soc. & Soc. winter, 69; Backwash, spread and the Chilean State, Studies Comp. Int. Develop., 69-70; Growth theory and Chile: the problem of generalizing from historical experience, J. Inter-Am. Studies, 1/70. Address: Dept. of Economics, Stevenson College, University of California, Santa Cruz, Calif. 95060.
- WEAVER, DR. JAMES H. Economics. See L-Z Vol. 11th ed, Soc. & Behav. Vols. New position: Prof., 69-, Dept. of Economics, American University, Washington, D.C. 20016.
- WEAVER, DR. SALLY M(AE), b. Ft. Erie, Ont., Aug. 24, 40; m. 64. ANTHROPOLOGY. B.A., Toronto, 63, M.A., 64, Ph.D. (cultural anthropology), 67. ASST. PROF. ANTHROP. WATERLOO, 66-67. Can. Coun. res. grant & Vanier Inst. Family grant, 68-69; summer stipend, Waterloo, 69. Anthropol. Assn; Ethnol. Soc. Soc. Appl. Anthropol. Soc. Ethnologist. Cultural anthropology, especially social and cultural change, medical acculturation, politics and voluntary associations among the Iroquois. Publ: Health, culture and dilemma: a study of the nonconservative Iroquois, Nat. Mus. Can., Ottawa, (in press), co-auth. Parallelism, homology and homoplasy in relation to hominid taxonomy and the origin of homo sapiens, Anthropologica, 6: 105-117. Address: Dept. of Sociology, University of Waterloo, Waterloo, Ont., Can.
- WEAVER, DR. THOMAS. Anthropology. See L-Z Vol. 11th ed, Soc. & Behav. Vols. New position & address: Assoc. prof. anthrop. & dir. bur. of ethnic res., 69-, University of Arizona, Tucson, Ariz. 85721.
- WEAVER, PROF. WENDELL WILLIAM. Educational Psychology. See L-Z Vol. 11th ed, Soc. & Behav. Vols. New position: Prof. ed. psychol. College of Education, University of Georgia, Athens, Ga. 30601.
- WEBB, DR. JAMES THURMAN, b. Memphis, Tenn., Sept. 14, 39; m. 66; c. 2. PSYCHOLOGY. A.B., Southwestern at Memphis, 60; U.S. Pub. Health Serv. fel., Alabama, Tuscaloosa, 61-64, Ph.D. (psychol.), 67; Boston, 64. Instr. psychol., Alabama, 63, psychologist, psychol. clinic, 64-66, staff psychologist, 68; psychol. intern, Worcester State Hosp., Mass., 63-64; psychol. res. technician, Vet. Admin. Hosp., Tuscaloosa, Ala., 66-67; psychol. trainee, 67; psychol. res. assoc., 67-68; prog. coordinator, Roche Psychiat. Serv. Inst., Nutley, N.J., 68-69; ASST. PROF. OHIO UNIV., 70-. Community consult., human rels. center, Boston Univ., 64; psychologist, consult., Muscle Shoals Ment. Health Center, Florence, Ala., 65-66 & 68. Psychol. Assn; Soc. Proj. Tech. & Personality Assessment; Int. Coun. Psychol.; Soc. Gen. Sys. Res. Systems approaches in mental health to conserve professional time; automating diagnostic procedures, interview speech interactions; temporal orientation; personality assessment techniques. Publ: Co-auth. Validation of a computerized MMPI interpretation system, Proc. 77th Annual Convention, Am. Psychol. Assn., Wash., D.C. 69; auth. Interview synchrony: an investigation of two speech rate measures in an automated standardized interview, In: Studies in dyadic communication: proceedings of a research conference on the interview, Pergamon, New York, 70; co-auth. Temporal orientation in diagnostic groups, J. Clin. Psychol., 70. Address: 158 N. Congress, Athens, Ohio 45701.
- WEBB, DR. JOAN L(EBENHEIM). Psychiatry. See L-Z Vol. 11th ed, Soc. & Behav. Vols. Change of address: 424 S. Main, New Castle, Ind. 47362.
- WEBB, PROF. NEIL J(OHN). Psychology. See L-Z Vol. 11th ed, Soc. & Behav. Vols. New position: Exec. v-pres., 67-, St. Norbert College, West de Pere, Wis. 54178.
- WEBB, DR. SAM (CLEMENT). Psychology. See L-Z Vol. 11th ed, Soc. & Behav. Vols. New information: Dean div. grad. studies & res. Ga. Inst. Tech., 68- Address: 310 Chelsea Circle N.E., Atlanta, Ga. 30307.
- WEBER, MARVIN GLENN, b. Chicago, Ill., Sept. 9, 39; m. 64; c. 1. SOCIOLOGY OF LAW. B.S., Bradley, 62, B.A. Inst. Ment. Health grant, Mich. State, 64-65; M.A., Eastern Michigan, 67. Psychiat. soc. worker, Dept. Ment. Health, Ill., 63-66; instr. social, U.S. Inst., 66-67; asst. prof. social. & suvr. soc. work ed. Ashland Col., 67-69; head dept. social. & psychol. & chmn. soc. sci. div. Mt. Marty Col., 69-70. Inst.-Nat. teaching fel., 69-70. Mem. house of del. Coun. Soc. Work Ed., 67- Rural Social. Soc. fel. Assn. Criminol. Social psychology; the family; social problems; criminology. Publ: A study of contemporary Federal criminal codes affecting narcotic drug addiction in the United States, Eastern Michigan Univ., 67; co-auth. Criminogenic market forces: influences of automobile manufacturers upon their dealers, Law & Soc. Rev., 2/70 & A Study of client discontinuance in the application process, Rocky Mt. Soc. Sci. Assn. J., 4/70. Address: 505 Linn St., Yankton, S.Dak. 57078.
- WECKESSER, PROF. ERNEST P., b. Akron, Ohio, Mar. 23, 33; m. 59; c. 4. COMMUNICATION, MASS COMMUNICATIONS. B.S., Bowling Green State, 55, M.A., 60; Ph.D. (mass comm.), Mich. State, 63. Asst. prof. speech, State Univ. N.Y. Col. Oneonta, 61-62; COMMUN. Kent State, 62-63; assoc. prof., Purdue, 67. Wayne, 63-70; PROF. & CHMN. DEPT. MONTCLAIR STATE COL., 70. Develop. How to Study in Col. Prog., 65- Consult. Int. Harvester Co., 64-68. U.S.A.F., 55-59, Capt. Speech Assn. Am. Communication and study skills. Address: Dept. of Communications, Montclair State College, Upper Montclair, N.J. 07043.
- WECKWERTH, PROF. VERNON E(RVIN). Biostatistics, Hospital Administration. See Suppl. VI to 11th ed, Phys. & Biol. Vols.
- WEED, PROF. FREDERIC A(UGUSTUS). Political Science. See L-Z Vol. 11th ed, Soc. & Behav. Vols. New information: Also coordinator int. progs., 69-, Dept. of Political Science, San Jose State College, San Jose, Calif. 95114.
- WEEKLY, DR. JAMES K., b. Seymour, Ind., Nov. 26, 33; m. 59; c. 2. BUSINESS ADMINISTRATION, ECONOMICS. B.S., Indiana, 59, M.B.A., 60, Nat. Defense Ed. Act fel., 60-63, D.B.A. (int. bus.), 63. Asst. prof. econ. Macalester Col., 63-68; ASSOC. PROF. BUS. ECON. TOLEDO, 68- Lectr. Nat. Defense Ed. Act Inst. Adv. Latin Am. Studies, Col. St. Catherine, summer 68. U.S.A.F., 52-56. Econ. Assn. Role of capital markets in the development of low-income nations; international commercial policies. Publ: Security marketing in a less-developed economy, Inter-Am. Econ. Affairs, autumn 65; Christian democracy in Chile: ideology and economic development, S. Atlantic Quart., autumn 67; Toward a Central American capital market, J. Common Mkt. Studies, 12/68. Address: 2658 Goddard Rd., Toledo, Ohio 43606.
- WEEKS, DR. ALBERT LOREN. Political Science. See L-Z Vol. 11th ed, Soc. & Behav. Vols. New position: Assoc. prof. int. rels., N.Y. Univ. New publ: The other side of coexistence: an analysis of Russian foreign policy, Pitman, 70. Address: 37 Washington Square W., New York, N.Y. 10011.
- WEEKS, PROF. DAVID. Agricultural Economics. See L-Z Vol. 11th ed, Soc. & Behav. Vols. Change of address: 1232 Skycrest Dr., Apt. 3, Walnut Creek, Calif. 94595.
- WEEKS, DR. ELDON E(DDEINE). Agricultural Economics. See L-Z Vol. 11th ed, Soc. & Behav. Vols. New position: Prof., 69-, Dept. of Agricultural Economics, Washington State University, Pullman, Wash. 99163.
- WEEKS, PROF. FRANCIS W., b. East Orange, N.J., Jan. 26, 16; m. 42; c. 7. BUSINESS COMMUNICATIONS, ENGLISH. A.B., Swarthmore Col., 37; A.M., Columbia, 39. Asst. BUS. COMMUN. ILLINOIS, URBANA, 39-45, instr., 45-50, asst. prof. 50-52, assoc. prof. 58-63, PROF., 63- Vis. prof., Houston, 67-68. Bus. Commun. Assn; Nat. Soc. Study Commun; Nat. Coun. Teachers of English. Publ: Co-auth. Business reports, McGraw, 58; ed. Readings in communication, Holt, 61; co-auth. Business writing cases and problems, Stipes, 66. Address: 313 David Kinley Hall, University of Illinois, Urbana, Ill. 61801.
- WEEKS, PROF. JAMES K. Law. See 5th ed, Dir. Am. Scholars, Vol. IV, Philos., Relig. & Law.
- WEEKS, PROF. JAMES S(ANDERS). Educational Psychology, Guidance. See L-Z Vol. 11th ed, Soc. & Behav. Vols. New position & address: Grad. prof., 69-, Far East Division, Graduate Program in Counseling & Personnel Services, University of Maryland, C.M.R. Box 3876, APO San Francisco, 48323.
- WEEKS, DR. JOHN F., b. Austin, Tex., Apr. 1, 41; m. 64. ECONOMICS. A.B., Texas, 63; fel., Nigerian inst. soc. & econ. res. Univ. Ibadan, 67; M.A. & Ph.D. (econ), Michigan, 69. Res. assoc. econ. center res. econ. develop., Michigan, 65-68; asst. prof., Wayne State, 68-69; RES. FEL. CENTER RES. ECON. DEVELOP., MICHIGAN, 69- Lectr., Ahmadu Bello Univ., Nigeria, 69-71; summer res. tutor, inst. develop. studies, Sussex, 70. Summer consult. Urban Renewal Proj., Austin, 65. U.S.M.C.R., 61-67. Econ. Assn, Union for Radical Polit. Econ. Wage policy in developing countries, especially employment and skill acquisition. Publ: Comment on Peter Kilby: industrial relations and wage determination, 10/68 & Further thoughts on industrial relations and wage determination, (in press), J. Develop. Areas; Wage policy and the legacy of colonial rule, J. Mod. African Studies, (in press). Address: Center for Research on Economic Development, University of Michigan, Ann Arbor, Mich. 48104.
- WEGNER, DR. KENNETH (WALTER), b. Newton, Kans., Mar. 13, 32; m. 63; c. 2. PSYCHOLOGY. B.S., Kansas, 53, M.Ed. 55, Ed.D. (counseling psychol.), 61. Asst. prof. Ed. Oregon, 61-66; ASSOC. PROF. BOSTON COL., 66- U.S.A.F., 55-57, Res. 57-, Maj. Psychol. Assn; Personnel & Guid. Assn. Vocational interest theory; characteristics of disadvantaged youth. Publ: Co-auth. Guidance: theory and practice, Am. Bk. Co., 64; auth. Jobs and the color barrier, Harcourt Press, 69. Address: 27 Dartmouth Ave., Needham Heights, Mass. 02194.
- WEHMER, DR. GERALD, b. Chicago, Ill., Sept. 22, 33; m. 64. CLINICAL PSYCHOLOGY. B.A., Columbia, 55; M.A., Vanderbilt, 64, Ph.D. (psychol.), 66. U.S. Pub. Health Serv. intern, neuropsychiat. inst., California, Los Angeles, 64-65; ASST. PROF. CLIN. PSYCHOL., WAYNE STATE, 65- Psychol. Assn. Biological and psychological measures of mood and stress; obscurity and pornography; group interaction and psychotherapy. Publ: Co-auth. chap. In: Affect, cognition and personality, Springer, 65. Address: Dept. of Psychology, Wayne State University, Detroit, Mich. 48202.
- WEHRLY, DR. LEROY S. Economics. See L-Z Vol. 11th ed, Soc. & Behav. Vols. New position: Sr. fel., Brookings Inst., 69- Address: 601 Fourth St., S.W., Washington, D.C. 20024.
- WEHRLY, DR. JAMES S(AMUEL). Agricultural Economics. See L-Z Vol. 11th ed, Soc. & Behav. Vols. New position & address: Assoc. prof., 69-, Dept. of Agriculture, Western Illinois University, Macomb, Ill. 61455.

- WEHRLY, MAX S(ILER). Urban Planning. See L-Z Vol, 11th ed, Soc. & Behav. Vols. New information: Also independent planning consult, 70-, Address: Urban Land Institute, 1200 18th St. N.W., Washington, D.C. 20036.
- WEI, DR. YUNG. Political Science. See L-Z Vol, 11th ed, Soc. & Behav. Vols. New position: Assoc. prof., 69-, Dept. of Political Science, Memphis State University, Memphis, Tenn. 38111.
- WEIDENBAUM, PROF. MURRAY L(EW). Economics. See L-Z Vol, 11th ed, Soc. & Behav. Vols. New position & address: Asst. sec. econ. policy, 69-, U.S. Dept. of the Treasury, Main Treasury Bldg, Room 3315, 15th & Pennsylvania Ave, N.W., Washington, D.C. 20220.
- WEIDMAN, DR. HAZEL HITSON. Social Anthropology. See L-Z Vol, 11th ed, Soc. & Behav. Vols. New position & address: Assoc. prof. soc. anthropol., 68-, Dept. of Psychiatry, University of Miami School of Medicine, Miami, Fla. 33146.
- WEIGEL, DR. RICHARD G(EOGE), b. St. Louis, Mo, Feb. 23, 37; m. 64; c. 1. PSYCHOLOGY. B.A., DePaul, 59; Purdue, 59-60; M.A., Missouri-Columbia, 62, Ph.D.(psychol.), 68; Oregon State Univ. Gen. Res. Fund grant, 65-67. Counsr., Missouri, 62-63; instr. psychol., 63-64; counsr., counseling center, Oregon State, 64-67; asst. prof. PSYCHOL., univ., 65-67; COLORADO STATE, 67-70, ASSOC. PROF., 70-. Counsr., counseling center, Stephens Col., 63-64; exten. instr. Ore. State Syst. Higher Ed, 65; George Williams Col., summer 61. Psychol. Asn.; Personnel & Guidance Asn.; Asn. Measurement & Eval. in Guid. Process and outcome research on individual and group counseling and psychotherapy; application of personal constructs and other variables to the marriage relationship; irrelevant-response-determiners in psychological investigations. Publ: Co-auth. The college and university counseling center, Am. Col. Personnel Asn., 70, The effects of group therapy on reported self disclosure, Int. J. Group Psychother., 18: 31-41 & The effect of item meaningfulness on a self-ideal-self measure, Psychol. Reports, 25: 412-414; plus others. Address: Dept. of Psychology, Colorado State University, Ft. Collins, Colo. 80521.
- WEIGHTMAN, DR. GEORGE HENRY, b. Union City, N.J., Jan. 27, 29. SOCIOLOGY. A.B., Princeton, 51; M.A., Philippines, 52; Ph.D.(sociol.), Cornell, 60. Asst. prof. SOCIOL., Philippines, 55-57; American Univ. Beirut, 59-62; res. assoc., Community Serv. Soc., N.Y., 62-63; asst. prof., San Diego State Col., 63-65; Lehman Col., 65-68; vis. prof., American Univ., Cairo, 68-69; ASSOC. PROF., LEHMAN COL., 69-. Peace Corps-Philippine area lectr., Hilo, Hawaii; San Jose State Col. & Sacramento State Col., 65; St. John's Col. (Md.), 67. Sociol. Asn.; Asn. Asian Studies; Philippine Sociol. Soc. (ed., Philippine Sociol. Rev. 55-57, sec.-treas., 56-57). Ethnic relations in Afro-Asian societies; modernization and social change. Publ: Co-auth., Occupational choices and mobility orientation among Lebanese students, 8/67 & auth. Nature of anti-Sinicism in the Philippines, 12/67, Asian Studies; Philippine Chinese image of the Filipino, Pac. Affairs, winter 67-68. Address: Dept. of Sociology, Lehman College, City University of New York, Bronx, N.Y. 10468.
- WEIGL, DR. PETER DOUGLAS. Ecology, Animal Behavior. See Suppl. VI to 11th ed, Phys. & Biol. Vols.
- WEILER, DR. HANS N(ORBERT). Political Science. See L-Z Vol, 11th ed, Soc. & Behav. Vols. Change of address: 720 Vine St, Menlo Park, Calif. 94025.
- WEILER, DR. ERNEST M, b. Lodi, Ohio, Jan. 9, 37; m. 59; c. 2. EXPERIMENTAL PSYCHOLOGY. A.B., Ohio, 59; M.A., Kent State, 60; Mich. State, 60-62; Ph.D.(psychol.), Louisville, 63. Res. psychologist, Enlisted Eval. Center, Indianapolis, 18, 62-63; res. engr., N.A. Aviation Inc, Ohio, 63-65; ASST. PROF. EXP. PSYCHOL., WIS. STATE, RIVER FALLS, 69-. AAAS; Psychol. Asn.; Acoustical Soc. Am. Behavioral studies in the coding of loudness and signal detection. Publ: Co-auth., . . . Kinesthetic figural aftereffects, J. Exp. Psychol., 63. Address: Dept. of Psychology, Wisconsin State University, River Falls, Wis. 54022.
- WEINBERG, DR. ALBERT K(ATZ). International Relations. See L-Z Vol, 11th ed, Soc. & Behav. Vols. Change of address: Sunset Residential Hotel, St. Petersburg, Fla. 33733.
- WEINBERG, DR. IAN. Sociology. See 11th ed, Soc. & Behav. Vols, deceased 69.
- WEINBERG, DR. MARTIN STEPHEN. Sociology. See L-Z Vol, 11th ed, Soc. & Behav. Vols. New information: Also sr. sociologist, Institute for Sex Research, Indiana University, Bloomington, Ind. 47401.
- WEINBERG, PROF. S(AMUEL) KIRSON. Sociology, Social Psychology. See L-Z Vol, 11th ed, Soc. & Behav. Vols. New position & address: Prof., 69-, Dept. of Sociology, Loyola University, 6525 N. Sheridan Rd, Chicago, Ill. 60626.
- WEINDLING, PROF. JOACHIM I(GNACE). Operations Research, Mechanical Engineering. See Suppl. VI to 11th ed, Phys. & Biol. Vols.
- WEINER, DR. MAX. Educational Psychology. See L-Z Vol, 11th ed, Soc. & Behav. Vols. New position: Prof., City Univ. New York, 69-. Address: 24 Fenimore Rd, New Rochelle, N.Y. 10804.
- WEINER, MERVYN L. Economics. See L-Z Vol, 11th ed, Soc. & Behav. Vols. New position: Dir. pub. utilities projs., Dept. Int. Bank Reconstruct. & Develop., 69-. Address: 3206 Cummings Lane, Chevy Chase, Md. 20015.
- WEINER, DR. MURRAY, b. Brooklyn, N.Y., Jan. 1, 28; m. 56; c. 3. PSYCHOLOGY. B.A., N.Y. Univ., 51; M.A., Columbia, 52, Ph.D.(psychol.), 63. Res. asst., Richardson, Bellows, Henry & Co, 52; voc. counsr., Gov. Guid. Bur., 52-53; res. assoc., Personnel Res. Inst., 53-54; examiner, New York City Civil Serv. Cmn. 55; employment consult., State Labor Dept., N.Y., 55-85;
- DIR. BEHAV. SCI. SERV. FRY CONSULTS, INC., 65-. Adj. assoc. prof., Queens Col. (N.Y.), 66; adj. prof., sch. indust. & labor rels., Cornell, 69-70. U.S.A.A.F., 46-47. Psychol. Asn.; Psychomet. Soc.; Soc. Training & Develop. Publ: Standardization of the general aptitude test battery for operating room technicians, U.S. Dept. Labor, 63; Aptitude, achievement and attainment in multi-occupational training, N.Y. State Dept. Labor, 65; Organization of mental abilities from ages 14 to 54, Ed. & Psychol. Measurement, 64. Address: 3212 Healy Ave, Far Rockaway, N.Y. 11691.
- WEINGROD, DR. ALEX, b. Milwaukee, Wis., Feb. 28, 31; m. 52; c. 4. SOCIAL ANTHROPOLOGY. A.B., Chicago, 52, M.A. 54, Ford Found. For. Area fel., 57-59, Ph.D.(anthrop.), 59. Instr. anthrop., Minnesota, 56-57; lectr. sociol., Hebrew Univ., Jerusalem, 59-62; asst. prof. ANTHROPO. BRANDEIS, 63-66, ASSOC. PROF., 66-. Res. dir., Anthropol. Curriculum Study Proj., 62-66; Nat. Sci. Found. Res. fel., 67-69. Anthropol. Asn. Modernization; contemporary peasant societies; political anthropology. Publ: Israel: a study in group relations, Praeger, 68; Reluctant pioneers, Cornell, 66; Patrons, patronage and political parties, Comp. Studies Hist. & Sociol., 68. Address: Dept. of Anthropology, Brandeis University, Waltham, Mass. 02154.
- WEINMAN, DR. BERNARD S(TANLEY). Clinical Psychology. See L-Z Vol, 11th ed, Soc. & Behav. Vols. New position: Dir. behav. sci. clin. res. center, 69-, Philadelphia State Hospital, Roosevelt Blvd. & Southampton Rd, Philadelphia, Pa. 19114.
- WEINSTEIN, DR. ARNOLD A., b. New York, N.Y., Jan. 28, 36; m. 57; c. 3. ECONOMICS. A.B., Brooklyn Col., 60; Ph.D.(econ.), Virginia, 65. Instr. ECON. State Univ. N.Y. Col. Oneonta, 62-65; asst. prof. SOUTHAMPTON COL., 65-67, ASSOC. PROF., 67-. Econ. Asn.; Pub. Choice Soc. Individual decision process. Publ: Virginia's regional characteristics, Bur. Pop. & Econ. Res., Univ. Virginia, 65; Transitivity of preference: a comparison among age groups, J. Polit. Econ. & Individual preference in transitivity, South. Econ. J., 68. Address: Dept. of Economics, Southampton College, Southampton, N.Y. 11968.
- WEINSTEIN, DR. ESTHER G, b. Portland, Ore., Apr. 19, 10. SOCIAL SCIENCES. LL.B., Northwest. Col. Law (Ore.), 35, B.A., Willamette, 51; M.A., Syracuse, 61, D.S.Sc.(Am. studies), 67. MEM. FACULTY SOC. SCI. SHIMER COL., 62-, dean students, 62-68. W.A.C., 43-46, 1st Sgt. Nat. Asn. Women Deans & Couns. American history since 1865; constitutional history. Address: Dept. of Social Sciences, Shimer College, Mt. Carroll, Ill. 61053.
- WEINSTEIN, DR. MICHAEL GORDON, b. Detroit, Mich., July 19, 41. SOCIOLOGY. Ph.B., Wayne State, 63; A.M., Harvard, 66, Ph.D.(sociol.), 68. ASST. PROF. SOCIOL., HAWAII, 67-. Consult., Peace Corps Training Progs., 66, 68; Waikiki Ministry Exec. Cmt., Hawaii Coun. Churches, 68-. Model Cities Res. Agenda, Univ. Hawaii, 69; Urban Sys. Res. & Eng., Boston, 69. Sociol. Asn. Sociology of education and of communities; participant observation field methodology. Address: Dept. of Sociology, University of Hawaii, Honolulu, Hawaii 96822.
- WEINSTEIN, DR. PAUL A. Economics. See L-Z Vol, 11th ed, Soc. & Behav. Vols. New information: Governor's exec. on manpower & labor rels., 69-, State Office Bldg, 301 W. Preston St, Baltimore, Md. 21201.
- WEINSTEIN, DR. RAYMOND M, b. Brooklyn, N.Y., Dec. 3, 39. SOCIOLOGY, SOCIAL PSYCHIATRY. B.A., City Col. New York, 63; M.A., California, Los Angeles, 66, Ph.D.(sociol.), 68. Proj. dir. med. social, Montefiore Hosp., Bronx, 68-69, ASST. PROF. SOCIOL., WILKES COL., 69-. U.S.A., 57-60. Sociol. Asn. Sociology of mental illness; race and ethnic relations; deviant behavior; social stratification; sociology of literature and the arts. Publ: Co-auth., Poverty and mental illness, Am. J. Psychiat., 3/69 & Conceptions of mental illness by patients and normals, Ment. Hyg. (in press). Address: Dept. of Sociology, Wilkes College, Wilkes-Barre, Pa. 18703.
- WEINSTEIN, DR. STEPHEN A. Psychology, Physiology. See L-Z Vol, 11th ed, Soc. & Behav. Vols. Change of address: Dept. of Environmental Medicine, Johns Hopkins University, 615 N. Wolfe St, Baltimore, Md. 21205.
- WEINTRAUB, PROF. RUSSELL JAY. Law. See 5th ed, Dir. Am. Scholars, Vol. IV, Philos., Relig. & Law.
- WEINTRAUB, PROF. SIDNEY. Economics. See L-Z Vol, 11th ed, Soc. & Behav. Vols. New position: Dep. asst. secy. int. monetary affairs, 69-, Dept. of State, Washington, D.C. 20520.
- WEIDWURM, PROF. ERNEST H(ERMAN). Accounting. See L-Z Vol, 11th ed, Soc. & Behav. Vols. New information: Emer. prof. De Paul Univ., lectr., San Fernando Valley State Col., 69-. Address: 907 16th St, Santa Monica, Calif. 90403.
- WEIR, PROF. MORTON W(EBSTER). Psychology. See L-Z Vol, 11th ed, Soc. & Behav. Vols. New position: Prof. & head, 69-, Dept. of Psychology, University of Illinois, Urbana, Ill. 61801.
- WEISBERG, DR. HERBERT I, b. New York, N.Y., Mar. 9, 44. STATISTICS. B.A., Columbia, 65; M.A., Harvard, 66, Ph.D.(statist.), 70. ASST. PROF. STATIST., GRAD. SCH. BUS. ADMIN., N.Y. UNIV., 69-. Consult. Syst. Res. Assoc., Mass. 68-. Statist. Asn. Theory of statistical inference; social science methodology; data analysis. Address: 110 Bleeker St, New York, N.Y. 10012.
- WEISGER, PROF. CARROLL JR. Experimental Psychology. See 11th ed, Soc. & Behav. Vols, deceased 68.
- WEISS, DR. BURTON A(LBERT). Psychology. See L-Z Vol, 11th ed, Soc. & Behav. Vols. New position & address: Assoc. prof., 70-, Dept. of Psychology, Drexel University, Philadelphia, Pa. 19104.

- WEISS, DR. DAVID JOSEPH, b. Philadelphia, Pa. Dec. 31, 36; m. 62. PSYCHOLOGY. A.B. Pennsylvania, 59; Ph.D. (psychol.), Minnesota, 63. Res. assoc. indust. rel. center, MINNESOTA, MINNEAPOLIS, 63-66; asst. prof. PSYCHOL, 66-70; ASSOC. PROF., 70. Psychol. Assn; Psychomet. Soc. Psychometrics; computer applications in psychological measurement; vocational psychology. Publ: Co-auth. The measurement of occupational reinforcer patterns, *Min. Studies in Voc. Rehab.*, 68, Multivariate relationships between a measure of vocational interests and vocational needs, *J. Appl. Psychol.*, 68 & Individual inconsistency and reliability of measurement, *Ed. & Psychol. Measurement*, 70. Address: Elliott Hall, Dept. of Psychology, University of Minnesota, Minneapolis, Minn. 55455.
- WEISS, DR. EDWARD C(RAIG). Experimental & Engineering Psychology. See L-Z Vol, 11th ed, Soc. & Behav. Vols. New position: Prog. dir. spec. proj. prof. off. sci. info. serv. Nat. Sci. Found., 67- Address: 4105 Watkins Trail, Annandale, Va. 22003.
- WEISS, DR. ETHEL, b. New York, N.Y. Apr. 18, 34. PSYCHOLOGY. M.A. New Sch. Soc. Res. 58, Nat. Sci. Found. coop. fel., 60-61, Nat. Inst. Ment. Health fel., 61-62, Ph.D. (psychol.), 63. Res. asst. psychol. Training Sch. Vineland, N.J., 57-58; res. scientist, Letchworth Village, State Dept. Ment. Hyg. N.Y., 59-59; assoc. prof. PSYCHOL, Bard Coll., 62-69; ASST. PROF. CITY COL. NEW YORK, 69-; AAAS; Psychol. Assn; Psychometric Soc. Memory—verbal learning; organizational factors in learning and retention. Publ: Stimulus availability and backward association, *Psychol. Reports*, 65 & Stimulus category cue as determinants of amount of transfer, *J. Exp. Psychol.*, 67; co-auth. Forward and backward association as a function of unit formation and pronunciability, *Am. J. Psychol.*, 68. Address: Dept. of Psychology, City College of New York, 138th St. & Convent Ave., New York, N.Y. 10031.
- WEISS, DR. GERALD, b. New York, N.Y. June 29, 32. ANTHROPOLOGY. B.A. Columbia, 53; M.A. Michigan, 57, Ph.D., 59. ASST. PROF. ANTHROP, FLORIDA ATLANTIC, 64. Anthropol. Assn. Cultural anthropology; culture theory; ethnology; South American ethnography. Address: Dept. of Anthropology, Florida Atlantic University, Boca Raton, Fla. 33432.
- WEISS, DR. JAY M. Psychology, Physiology. See Suppl. V to 11th ed, Phys. & Biol. Vols.
- WEISSENBERG, DR. PETER, b. Berlin, Germany, July 17, 30; U.S. citizen; m. 51; c. 2. ORGANIZATIONAL BEHAVIOR, PSYCHOLOGY. A.B. Syracuse, 51; B.E. (org. inst. Tech., 58; M.S. Cornell, 55, Nat. Inst. Ment. Health fel., 66-67, Ph.D. (org. behav. psychol.), 67. Trainee, mgt. training proj., Gen. Elec. Co., 58-61, analyst, 61-62, specialist mgt. training, 62-65; ASST. PROF. MGT. SCI., STATE UNIV. N.Y. BINGHAMTON, 67-; res. found. fel., 69. Consult, Broome County, 68; acad. assoc. & consult, Sys. develop. div., Int. Bus. Mach. Corp., 68-; consulting faculty mem., U.S. Command & Gen. Staff Col., 69-; consult, Int. Textbook Co., 69- U.S.A., 51-54, Res., 54-; Maj. Psychol. Assn; Soc. Adv. Mgt; Inst. Indust. Eng. Individual differences and leadership; individual motivation and job satisfaction; power in organization. Publ: Co-auth. Relationships among leadership dimensions and cognitive style, 10/66 & Relationship between job satisfaction and job involvement, 12/68, *J. Appl. Psychol.* & Social exchange theory and the university, In: *Protest: student activism in America*, Morrow, 70. Address: School of Business, State University of New York at Binghamton, Binghamton, N.Y. 13901.
- WEISSER, DR. HENRY G. British History. See 5th ed, Dir. Am. Scholars, Vol. I, Hist.
- WEISSMAN, DR. HERBERT NATHANIEL, b. New York, N.Y. Apr. 24, 39. CLINICAL PSYCHOLOGY. B.A. California, Los Angeles, 60; M.S. Calif. State Col. Los Angeles, 61; U.S. Pub. Health Serv. fel., California, Berkeley, 61, Ph.D. (psychol.), 65. U.S. Pub. Health Serv. fel. clin. child psychol., Judge Baker Guid. Center & Children's Hosp. Med. Center, 65-66; asst. prof. clin. psychol. & assoc. dir. psychol. clin. Temple, 66-70; ASSOC. PROF. PSYCHOL, CALIFORNIA, DAVIS, 70-; CHIEF PSYCHOLOGIST, SUTTER HOSP., 70. Lectr. Swarthmore Col., 68; Bryn Mawr Col., 68; Peace Corps field assessment officer, 69-; chief training develop. officer, Uganda, Africa, summer 70; lectr. Sir. George Williams, summer 69. Consult, East. Pa. Psychiat. Inst., 67-68; bd. ed. New York, N.Y., 67; Lancaster, Pa., 68; Phila., 70. Psychol. Assn. Clinical training and practice; clinical decision-making; differential instructional methods; group process and outcome-sensitivity and marathon groups. Publ: The disposition toward intellectual ability: its composition and its assessment, *J. Gen. Psychol.*, 70; co-auth. Psychotherapeutic orientation and training: their relation to the practices of clinical psychologists, *J. Consulting & Clin. Psychol.*, 70; auth. The abnormal personality, In: *Introduction to contemporary psychology*, Holt, 71. Address: Dept. of Psychology, Sutter Hospital, Sacramento, Calif. 95819.
- WEISSKOPF, DR. RICHARD, b. New York, N.Y. Dec. 14, 43; m. 69. ECONOMIC. B.A. Harvard, 64, Ph.D. (econ.), 69. ASST. PROF. ECON, YALE, 69- ECON. Assn; Economet. Soc. Economic development in Latin America; income distribution; industrial organization. Publ: The Colombian experience, 1950-62, In: *Relating transport to national goals*, Brookings Instn, 69; Demand elasticities for a developing economy, In: *Studies in development planning*, Harvard, 70. Address: Dept. of Economics, Yale University, New Haven, Conn. 06520.
- WEISSKOPF, DR. BERNARD. Medicine. See Suppl. V to 11th ed, Phys. & Biol. Vols.
- WEITZ, PROF. HENRY. Psychology. See L-Z Vol, 11th ed, Soc. & Behav. Vols. New position: Prof. ed, Duke, 68- Address: 2716 Circle Dr., Durham, N.C. 27705.
- WEITZEL, DR. WILLIAM FREDERICK, JR., b. Baltimore, Md., Aug. 4, 36; m. 57; c. 2. PSYCHOLOGY, INDUSTRIAL RELATIONS. B.A. Wheaton Col., 61; M.A. Illinois, 63; Ph.D. (psychol.), Wayne State, 63. ASST. PROF. INDUST. RELS. & PSYCHOL., MINNESOTA, MINNEAPOLIS, 66-; Fel. U.S. Army Med. Res. Lab., Ft. Knox, Ky., 67; grants, personnel res., Green Giant Co., 67-68, personnel div., State Dept. Taxation, Minn., 68-70; personnel res., Control Data Corp., 69-70. U.S.N., 54-57. Psychol. Assn. Factors affecting performance appraisal; factors related to interpersonal perception; criteria of organizational effectiveness; attitude surveys; training evaluation. Publ: Co-auth. Some relations between personality factors and social facilitation, *J. Exp. Res. Personality*, 5/69, Managerial models of organizational effectiveness, *Admin. Sci. Quart.*, 9/69 & Action research to produce change in work groups, *Personnel Admin.*, 70. Address: 4832 Sheridan Ave. S., Minneapolis, Minn. 55410.
- WEITZMAN, DR. ELLIOT D. Neurology, Neurophysiology. See Suppl. VI to 11th ed, Phys. & Biol. Vols.
- WELCH, DEAN CLAUDE EMERSON, JR. Political Science. See L-Z Vol, 11th ed, Soc. & Behav. Vols. Change of address: State University of New York at Buffalo, 2785 Hayes Hall, Buffalo, N.Y. 14214.
- WELCH, DR. FRANK J(AMES). Economics. See L-Z Vol, 11th ed, Soc. & Behav. Vols. Change of address: Tobacco Institute, Inc., 1776 K St., N.W., Washington, D.C. 20006.
- WELCH, PROF. JOHN M., b. Mechanicsville, Iowa, May 16, 04; m. 31; c. 1. AGRICULTURAL ECONOMICS, FOOD SCIENCE. B.S. Cornell; M.S. Fla. State, 58, A.M.E., 60, Ph.D. (adult ed.), 61. Apprentice hotel mgt., Empire Hotels Co., Nebr., 26-27; mgt. & managing partner, Roberts Hotel Co., Minn., 27-29; dir. sales prom., Edison Gen. Elec. Appliance Co., Ill., 30-40; dir. inst. div., DuBois Co., Ohio, 46-57; instr. hotel & restaurant mgt., Fla. State, 57-61; assoc. prof. agr. econ. & exten. specialist, MISSOURI-COLUMBIA, 60-61, PROF. AGR. ECON., 61-; PROF. FOOD SCI. & NUTRIT., 68-69, Int. Soc. Food Serv. Consult., 64-66; guest prof., Scottish hotel sch., Univ. Strathclyde, 67-68. U.S.A., 40-46, Col. Dietetic Assn; fel. Pub. Health Assn. Adult education and vocational training; business organization; applications to commercial and institutional food service and public lodging management; 63 & Descriptive analysis of the Missouri restaurant industry, 63, Univ. Missouri-Columbia; auth. The Negro in food service, *Drive-In & Carry-Out*, 8/69. Address: Dept. of Agricultural Economics, 226B Mumford Hall, University of Missouri-Columbia, Columbia, Mo. 65201.
- WELCH, PROF. JOHN MORGAN. Journalism. See 5th ed, Dir. Am. Scholars, Vol. II, Eng. Speech & Drama.
- WELCH, DR. QUINTIN B. Genetics, Applied Statistics. See Suppl. VI to 11th ed, Phys. & Biol. Vols.
- WELCH, DR. WAYNE (WILLARD), b. Clinton, Iowa, May 20, 34; m. 51; c. 3. EDUCATIONAL PSYCHOLOGY, PHYSICS. B.S. Wisconsin State, 56, M.S. Pennsylvania, 60; M.S. Purdue, 63; Ph.D. (sci. ed.), Wisconsin, 66. Res. asst. physics ed., Harvard, 65-69; ASSOC. PROF. ED. PSYCHOL, MINNESOTA, MINNEAPOLIS, 69- Eval. dir., Phys. Sci. for Nonscientist, 69-; dir. res. & eval., Twin Cities Ed. Res. & Develop. Coun., 69- Ed. consult., Ford Found., Nigeria, Africa, 69-; ed. & consult., Ginn & Co., 68-; consult. in Phys. Ed., Ed. & Manpower Cent., 69- Ed. Res. Assn. Nat. Assn. Res. Sci. Teaching; Asn. Physics Teachers; Nat. Coun. Measurement in Ed.; Nat. Sci. Teachers Asn. Curriculum evaluation; science education research. Publ: Co-auth. Effects of a summer institute on attitudes of physics teachers, *Sci. Ed.*, 12/68 & Physics enrollments and grading practices, *J. Res. Sci. Teaching*, Vol. VI, No. 1; auth. Curriculum evaluation, *Rev. Ed. Res.*, 10/69. Address: 330 Burton Hall, University of Minneapolis, Minneapolis, Minn. 55455.
- WELDON, DR. RICHARD (HAPMAN), b. Calgary, Alta., Aug. 31, 08. PSYCHOLOGY, EDUCATION. B.A. Alberta, 38, M.A., 41, M.Ed., 47; Ph.D. (psychol.), California, Berkeley, 51; Illinois, 53; 68. Teacher, pub. schs., Alta., 27-34, prin., 34-47, supvr., 51-53; PSYCHOLOGIST, CHILD GUID. CLIN. GREATER WINNIPEG, 53- Can. Psychol. Assn. Measurement of attitudes related to learning; some perceptual bases of learning. Address: 131 Canora St., Winnipeg 10, Man., Can.
- WELLER, DR. ROBERT HUBERT, b. Hagerstown, Md., May 7, 39; m. 63; c. 2. SOCIOLOGY. A.B. Franklin & Marshall Col., 61; M.A. Connecticut, 63; Ph.D. (sociol.), Cornell, 67. ASST. PROF. SOCIOL, BROWN, 67- Sociol. Assn; Pop. Assn; Int. Union Sci. Study Pop. Demography of the developing countries, especially factors affecting levels of differential fertility; process of rural-urban migration and its consequences; relation between female employment and family structure. Publ: Empirical examination of megalopolis structure, *Demography*, 67; Employment of wives, role incompatibility and fertility, *Milbank Mem. Fund Quart.*, 68; co-auth. Modernization and demographic change, *Rural Social Res.* Address: Dept. of Sociology, Brown University, Providence, R.I. 02912.
- WELLINGTON, PROF. HARRY HILLEL. Law. See 5th ed, Dir. Am. Scholars, Vol. IV, Philos. Relig. & Law.
- WELLMAN, DR. ALLEN CARROLL, b. Madison, S.Dak., Apr. 22, 39; m. 67; c. 1. AGRICULTURAL ECONOMICS, ECONOMICS. B.S. Nebraska, 62, M.S., 65, Ph.D. (agr. econ.), 69. EXT. ECONOMIST, NEBRASKA, 69- U.S.A., 62-64, Res., 64-; Capt. Agr. Econ. Asn. Agricultural marketing. Publ: How technological change affects Nebraska crops, *Nebr. Quart.*, fall 69; Dressed and live price tables: for beef producers and feeders, *Exten. Circular*, 70-839 & Prices for farm planning in Nebraska-1969, *Exten. Circular*, 70-840, Univ. Nebr., 3/70. Address: Dept. of Agricultural Economics, University of Nebraska, Lincoln, Neb. 68508.
- WELLMAN, DR. BARRY, b. New York, N.Y., Sept. 30, 42; m. 65. SOCIOLOGY. A.B. Lafayette Col., 63; Woodrow Wilson fel., Harvard, 63-64, Nat. Sci. Found. fel., 64-67, M.A., 66, Ph.D. (sociol.), 70. ASST. PROF. SOCIOL., TORONTO, 67- Co-dir. res., Clarke Inst. Psychiat., 67-69; Can. Coun. res. grant, 69-71; Univ. Toronto summer res. fel., 69. Fel. Am. Sociol. Assn; Soc. Study Social Probls; Can. Sociol. & Anthropol. Assn. Urban sociology, especially social psychology and networks; social correlates and effects of social identities and reference; group variations according to race, social

- status and social context. Publ: Co-auth, Yorkdale study: symptoms, problems and life events. Can. J. Pub. Health, 12/68; auth, On negotiating reality. Soc. Probs, spring 69 / Social identities in black and white. Sociol. Inquiry, summer 70. Address: Dept. of Sociology, University of Toronto, 563 Spadina Ave, Toronto 5, Ont, Can.
- WELLS, PROF. CHARLOTTE GERTRUDE, b. Omaha, Nebr, Feb. 10, 12. SPEECH PATHOLOGY. B.F.A, Nebraska, Lincoln, 31; M.A, Wisconsin, Madison, 38, Ph.D (speech path), 41. Teacher, high sch, Nebr, 31-37; instr. & asst. prof. speech, Exp. Holyoke Col, 41-45; acting asst. prof. SPEECH PATH, Stanford, 45-48; from asst. prof. to PROF, MISSOURI-COLUMBIA, 46-51. Sum. lectr, Univ. Southern California, Oregon & Colorado. Speech and Hearing Assn. (v. pres, 66); Cleft Palate Assn. (secy-treas, 64-65). Remedial procedures for children with palatal clefts. Address: Speech and Hearing Clinic, University of Missouri-Columbia, Columbia, Mo. 65201.
- WELLS, DR. DONALD A. Economics. See L-Z Vol, 11th ed, Soc. & Behav. Vols. New position & address: Assoc. prof, 69-, Dept. of Economics, University of Arizona, Tucson, Ariz. 85721.
- WELLS, DR. GARLAND RAY. Forestry, Economics. See Suppl. V to 11th ed, Phys. & Biol. Vols.
- WELLS, DR. JEROME. Economics. See L-Z Vol, 11th ed, Soc. & Behav. Vols. New position: Assoc. prof. econ, 69-, University of Pittsburgh, 310 Social Science Bldg, Pittsburgh, Pa. 15213.
- WELLS, DR. ROBERT CHARLES, b. New York, N.Y., Apr. 12, 35; m. 63; c. 1. ECONOMICS, FARM MANAGEMENT. B.S., Connecticut, 56; M.S., Cornell, 63, Ph.D. (agr. econ), 66. Asst. prof. ECON, N.C. STATE, 65-69, ASSOC. PROF, 69- U.S.A., 56-58. Agr. Econ. Assn. Production economics. Publ: Co-auth, Changes in commercial dairy farming, central plain region of New York, 1963-64. Agr. Ext. Sta. Bull. Cornell Univ., 1/67 & Estate planning for North Carolina farm families, N.C. State Univ. Dept. Econ. Publ, 12/69; auth, Silage storage and feeding systems, N.C. State Univ. Ext. Circular, 4/69. Address: 18 Patterson Hall, P.O. Box 5337, North Carolina State University Raleigh, N.C. 27670.
- WELLS, DR. ROBERT NORTON, JR., b. New Haven, Conn, Sept. 3, 33; m. 60; c. 3. POLITICAL SCIENCE. A.B., Michigan, 56; M.A., 63, Ph.D. (polit. sci.), 69. Instr. polit. sci., Michigan, 63-65; asst. prof. polit. sci., ST. LAWRENCE, 65-70, ASSOC. DEAN COL. LETTERS & SCI., 68- U.S.A., 56-58, 61-62, Capt. Polit. Sci. Assn. National security policy; international politics; American foreign policy; research on international relations using simulations to evaluate and test verbal theories about international politics. Publ: Co-auth, Participants manual for the international simulation, 64 & Instructional and calculation manual for international simulation, 65, Center for Res. & Teaching, Univ. Michigan. Address: College of Letters & Science, St. Lawrence University, Canton, N.Y. 13617.
- WELLS, DR. ROGER BRYCE, b. Medford, Ore, Sept. 23, 40; m. 66. SOCIAL PSYCHOLOGY. B.A., Reed Col, 63; M.A., North Carolina, Chapel Hill, 66, Ph.D. (soc. psychol), 67. Res. assoc. & asst. prof. PSYCHOL, Carolina Pop. Center, Univ. North Carolina, 67-68; ASST. PROF., CARLETON (ONT), 68- PSYCHOL. Assn. Soc. Psychol. Study Social Issues. Conflict resolution: development of social control and morality. Address: Dept. of Psychology, Carleton University, Ottawa, Ont, Can.
- WELLS, DR. WILLIAM S (TROH). Clinical Psychology. See L-Z Vol, 11th ed, Soc. & Behav. Vols. New position: Consult. psychologist, Am. Mgt. Psychologists, Inc, 69- Address: 3947 Flower St, Ventura, Calif. 93003.
- WELSCH, DR. LAWRENCE AUGUST, b. Munich, Germany, July 6, 23; U.S. citizen; m. 42; c. 1. ORGANIZATIONAL BEHAVIOR, BEHAVIORAL SCIENCE. B.S., Michigan, 48; Ph.D. (bus. admin), Pittsburgh, 67. Group leader data correlation & anal, Knolls Atomic Power Lab, Gen. Elec. Co, 48-52; chem. engr. chem. corps, U.S. Dept. Army, 52-56, chief process develop. div, 56-60; proj. mgr., Polymer Plants, Allied Chem. Corp, 60-63; ASSOC. PROF. BUS. ADMIN, DUQUESNE, 67- Mkt. Assn; Inst. Mgt. Sci. Organizational and small group behavior; decision-making models of the business environment—retail buyer, personnel and pricing decisions and statistical analyses of individual judgment processes. Publ: A proposal to automate money, Bus. Topics, 66, Comput. Digest, 3/67 & In: Readings in economics, South-West. Publ, 2nd ed, 69; co-auth, Selecting projects in business and academic settings; In: Comparative administration, N.Y. Acad. Mgt, 66; A general model for sales planning, In: Research toward the development of management thought, N.Y. Acad. Mgt, 67 & In: Management action: models of administrative thought, Int. J. Technol. 69. Address: Dept. of Behavioral Sciences, Duquesne University School of Business Administration, Pittsburgh, Pa. 15219.
- WELSCH, DR. ROY ELMER. Operations Research, Mathematics. See Suppl. VI to 11th ed, Phys. & Biol. Vols.
- WELSH, DR. ROBERT S. Agricultural Economics, Business Administration. See L-Z Vol, 11th ed, Soc. & Behav. Vols. New position & address: Assoc. prof, 69-, Dept. of Marketing, Bowling Green State University, Bowling Green, Ohio 43402.
- WEN, PROF. VICTOR YEN-HSIUNG. Chinese Language, Political Science. See 5th ed, Dir. Am. Scholars, Vol. III, For. Lang, Ling. & Philol.
- WENCK, PROF. THOMAS LEE, b. Watertown, Wis, June 25, 31; m. 53; c. 2. BUSINESS ADMINISTRATION & LAW. B.A., Wisconsin, 53; M.B.A., 59, Ph.D. (ins), 62. Underwriter, Continental Casualty Co, 53-54; ins. rep. Actna Life Ins. Co, 56-58; res. assoc. INS, Wis. Ins. Dept, 58-62; asst. prof, MICH. STATE, 62-65, assoc. prof, 65-68, PROF, 69- INS. consult, Nat. Adv. Cmn, Civil Disorders, 67-68. Mem. Am. Inst. for Property & Liability Underwriters. Transportation C, 54-56, 1st Lt. Risk & Ins. Assn. Health and automobile insurance; social insurance; insurance regulation and finance. Publ: Financing senior citizen health care: an alternative approach, 65 &
- The historical development of standard policies, 68, J. Risk & Ins; The changing insurance industry, Mich. State Univ. Bus. Topics, 69. Address: Dept. of Accounting and Financial Administration, College of Business, Michigan State University, East Lansing, Mich. 48823.
- WENDEL, DR. GEORGE DORIAN. Public Law. See L-Z Vol, 11th ed, Soc. & Behav. Vols. New position: Prof. polit. sci., 67-, Center for Urban Programs, St. Louis University, St. Louis, Mo. 63103.
- WENDEL, DR. RICHARD FREDERICK. Marketing, Economics. See L-Z Vol, 11th ed, Soc. & Behav. Vols. New position & address: Assoc. prof. mkt, 69-, School of Business Administration, University of Connecticut, Box U-41M, Storrs, Conn. 06268.
- WENDLAND, DR. LEONARD V (RIGIL). Psychology. See L-Z Vol, 11th ed, Soc. & Behav. Vols. New position: Assoc. prof., dir. res. & training center & dir. ed. & training, 68-, Research & Training Center, School of Education, University of Pittsburgh, Pittsburgh, Pa. 15213.
- WENZEL, DR. JULIUS T (UGENDREICH). Economics. See 11th ed, Soc. & Behav. Vols, deceased.
- WENGERT, PROF. NORMAN. Political Science. See L-Z Vol, 11th ed, Soc. & Behav. Vols. New position & address: Prof, 69-, Dept. of Political Science, Colorado State University, Ft. Collins, Colo. 80521.
- WENNER, DR. MANFRED W. Political Science, International Relations. See L-Z Vol, 11th ed, Soc. & Behav. Vols. New position & address: Assoc. prof, 69-, Dept. of Political Science, Northern Illinois University, De Kalb, Ill. 60115.
- WENTZ, PROF. BRUCE A (LBION). Psychology. See 11th ed, Soc. & Behav. Vols, deceased 68.
- WENZEL, SISTER KRISTEN, O.S.U., b. Washington, D.C., Mar. 30, 39. SOCIOLOGY OF RELIGION. B.A., Col. New Rochelle, 61; fel. Catholic Univ, 65-67, M.A., 66, Ph.D. (sociol), 70. Lectr. SOCIOL, COL. NEW ROCHELLE, 68-69, INSTR., 69-. Dir. Vet. Admin. Undergrad. Field Experience Demon. Proj., Conn. Soc. Work, 69-71. Sociol. Assn. Soc. Study Religion. Nature of religious belief; educational research, especially curriculum development, behavioral patterns of college students and gathering second analysis of census data in social work education. Publ: The relationship between religious beliefs and missionary attitudes held towards Black Africa: a study of Protestant and Catholic clergyman, Center Appl. Res. Apostolate, D.C., 70; Sociological factors in adolescent catechesis, Living Light, spring 67. Address: College of New Rochelle, 29 Castle Place, New Rochelle, N.Y. 10801.
- WENZLAW, PRES. THOMAS E (UGENE). Economics. See L-Z Vol, 11th ed, Soc. & Behav. Vols. New position: Pres, Ohio Wesleyan, 69-. Address: 135 Oak Hill Ave, Delaware, Ohio 43015.
- WERNER, DR. CHRISTIAN. Geography, Transportation. See L-Z Vol, 11th ed, Soc. & Behav. Vols. New position & address: Assoc. prof, 69-, University of California, School of Social Science, Irvine, Calif. 92664.
- WERNER, DR. OSWALD. Anthropology, Linguistics. See L-Z Vol, 11th ed, Soc. & Behav. Vols. New position & address: Assoc. prof. anthrop. & ling, Dept. of Anthropology, Northwestern University, College of Arts & Sciences, Evanston, Ill. 60201.
- WERNICK, DR. JOEL. Auditory Physiology, Psychoacoustics. See 12th ed, Phys. & Biol. Vols.
- WERTIME, THEODORE A (LLEN). Political Science. See L-Z Vol, 11th ed, Soc. & Behav. Vols. New position: Cultural attaché, Am. Embassy, Athens, 69-. Address: 5900 Fourth Rd. N, Arlington, Va. 22203.
- WERTZ, DR. DOROTHY C. Sociology, Religion. See L-Z Vol, 11th ed, Soc. & Behav. Vols. New position & address: Asst. prof. anthrop. & social, 69-, Behavioral Science Dept, State College at Bridgewater, Bridgewater, Mass. 02324.
- WESCHKE, DR. ROLF J, b. Hamburg, Germany, Feb. 8, 41; m. 66. GEOGRAPHY. Göttingen, 60-62, M.A., North Carolina, 64; Ph.D. (geog), Florida, 67. ASST. PROF. GEOG, OTTAWA (ONT), 67- Can. Coun. res. grant, 69. Assn. Am. Geog; Am. Geog. Soc; Can. Assn. Geog. Latin American studies; economic development of Andean countries and colonization of Amazon basin. Address: Dept. of Geography, University of Ottawa, Ottawa 2, Ont, Can.
- WESCHLER, DR. LOUIS FREDRICK. Political Science. See L-Z Vol, 11th ed, Soc. & Behav. Vols. New position & address: Asst. prof, 70-, Dept. of Political Science, University of Washington, Seattle, Wash. 98105.
- WESOLOWSKI, ZDZISLAW P, b. Gdynia, Poland, May 7, 35; U.S. citizen; m. 57; c. 2. MANAGEMENT SCIENCE. B.S., State Univ. N.Y. Albany, 65; M.S., St. Louis, 68. Instr. U.S. Air Force Sch. Latin Am. C.Z., Panama, 59-61; staff asst. & budget & manpower analyst, McDonnell Aircraft Corp, Mo, 64-66; registr. & asst. dean instr., State Univ. N.Y. Col. Cobleskill, 66-69; DIR. DEVELOP. ALLIANCE COL, 69- Lectr. Univ. Warsaw, 68; speaker, Radio Free Europe; mem. Nat. Defense Exec. Reserve. U.S.A.F, 54-61. Publ: An inquiry into the administration and utilization of the Webb-Pomeroy Act, Int. Lawyer, 10/69; The role of trade unions in Eastern Europe: Poland a case study, Admin. Econ. Rev. 3/70; Organizational structure and morale, Adv. Mgt. J., 7/70. Address: 59 Hitor Manor, Saegertown, Pa. 16433.
- WESSEL, PROF. ROBERT H (OOVER), b. Cincinnati, Ohio, Apr. 22, 21; m. 52. ECONOMICS. A.B. Cincinnati, 42, M.A., 46, Ph.D. (econ), 53; Harvard, 43. Instr. ECON, CINCINNATI, 43-45, asst. prof, 54-57, assoc. prof, 57-62, PROF, 62-, V. PROVOST GRAD. STUDIES, 67-, head dept. econ. 62-68. As-

- soc. prof., Northeastern, 56-57; economist, Union Cent. Life Ins. Co., 61-Summer vis. prof., Boston, 59, grad. sch. prin. acct., Northeastern, 66 & 67. Consult, Drackett Co., 46-47; Brookings Inst., 60-61; Westheimer & Co., 61-62. Trustee, Sinking Fund, City of Cincinnati, 65- Mem., Community Action Cmn. Greater Cincinnati, 67-68; bd. dir., Ohio Coun. Econ. Ed., 68. Econ. Asn.; Finance Asn. Economic theory, especially public and business finance; statistics. Publ.: Co-auth., Statistics as applied to economics and business, Holt, 59, rev. ed., 65 & 69; auth., Principles of financial analysis, Macmillan, 61; A note on economic rent, Am. Econ. Rev., 12/67. Address: Dept. of Economics, 510 Library Bldg., University of Cincinnati, Cincinnati, Ohio 45221.
- WESSLER, DR. RICHARD L(EE). Psychology, Sociology. See L-Z Vol. 11th ed, Soc. & Behav. Vols. New position: Dir. res., Parsons Co., 69- Address: 1101 E. Hempstead, Fairfield, Iowa 52556.
- WESSMAN, DR. ALDEN E(BENHART). Social Psychology, Personality. See L-Z Vol. 11th ed, Soc. & Behav. Vols. New position & address: Assoc. prof., 69-, Dept. of Psychology, City College of New York, New York, N.Y. 10031.
- WEST, DR. CHARLES KENYON, b. Brierfield, Ala., June 16, 36; m. 61; c. 2. EDUCATIONAL PSYCHOLOGY. B.Sc., Alabama, 58; M.Sc., 63, Ph.D.(ed. psychol.), 65. Teacher, high sch., Ala., 60-62; ASST. PROF. psychol. & ed. psychol., Middle Tenn. State, 65-67; ED. PSYCHOL., ILLINOIS, URBANA, 67-Sig. C. U.S.A., 58-60, Lt. Psychol. Asn.; Ed. Res. Asn.; Nat. Soc. Study Ed. Nature of human thought and other psychological processes such as memory and learning, especially implications for formal education. Publ.: Co-auth., The development of secondary education, Macmillan, 63; Effects of response modes on retention of tactile stimuli, Psychonomic Sci., 68 & Relationships between test anxiety and the ability to select relevant from irrelevant information, J. Ed. Res., 69. Address: Dept. of Educational Psychology, 326 Education Bldg., University of Illinois, Urbana, Ill. 61801.
- WEST, PROF. LEONARD J(ORDAN). Educational Psychology. See L-Z Vol. 11th ed, Soc. & Behav. Vols. New position: Prof. ed. res., City Univ. New York, 70- Address: 233-26 40th Ave., Douglaston, N.Y. 11363.
- WEST, DR. LLOYD WILBERT, b. Sask., July 4, 37; m. 59. COUNSELING & EDUCATIONAL PSYCHOLOGY. B.Sc., Alberta, 59; M.Ed., 62, Ph.D.(counseling psychol.), 68. Sch. couns., Edmonton Pub. Sch. Bd., 59-65, sch. psychol., 66-68; instr. psychol., Alberta, 65-66; ASSOC. PROF. ED. PSYCHOL., CALGARY, 68- Can. Guid. & Counseling Asn. Adolescent communication patterns; self-disclosure; cross-cultural measures of psychological variables. Address: Dept. of Educational Psychology, University of Calgary, Calgary 44, Alta., Can.
- WEST, DR. QUENTIN M. Agricultural Economics. See L-Z Vol. 11th ed, Soc. & Behav. Vols. New position: Adminstr. for econ. develop. serv., U.S. Dept. Agr., 69- Address: 1007 Poplar Dr., Falls Church, Va. 22046.
- WEST, DR. RHEA HORACE, JR. Business Management, Accounting. See L-Z Vol. 11th ed, Soc. & Behav. Vols. Change of address: Dept. of Management, Georgia State College, P.O. Box 38, Atlanta, Ga. 30303.
- WEST, DR. S(AMUEL) STEWART. Sociology. See L-Z Vol. 11th ed, Soc. & Behav. Vols. New position: Chief. res. & statist., Alaska Dept. of Health & Welfare, 69- Address: P.O. Box 158, Juneau, Alaska 99801.
- WESTBROOK, DR. BERT WHITLEY. Psychology, Education. See L-Z Vol. 11th ed, Soc. & Behav. Vols. New position: Assoc. prof., 69-, Dept. of Psychology, North Carolina State University, Raleigh, N.C. 27607.
- WESTBURG, DR. JOHN E. Political Science. See L-Z Vol. 11th ed, Soc. & Behav. Vols. New information: Assoc. prof. polit. sci., Wis. State, Platteville, 69-, assoc. mem. inst. pub. affairs, 69- & ed. Forum on Pub. Affairs, Wis. State, 68- Address: Dept. of Political Science, Wisconsin State University, Platteville, Wis. 53818.
- WESTCOTT, PROF. MALCOLM R(OBERT). Psychology. See L-Z Vol. 11th ed, Soc. & Behav. Vols. New position: Prof. psychol., 69-, York University, 4700 Keele St., Toronto 12, Ont., Can.
- WESTER, DR. WILLIAM C(ARL). Psychology, Education. See L-Z Vol. 11th ed, Soc. & Behav. Vols. New position: V. pres. acad. affairs & dean, 69-, Edgely College, 2220 Victory Pkwy., Cincinnati, Ohio 45206.
- WESTFALL, DR. JOHN EDWARD, b. San Francisco, Calif., Aug. 16, 38; m. 65; c. 1. GEOGRAPHY, B.A., California, Berkeley, 60; M.A., George Washington, 64, un. fel., 64-65; Nat. Sci. Found. fel., 66-68, Ph.D. (geog.), 69. Cartographer, U.S. Coast & Geodetic Survey, 60-64; ASST. PROF. GEOG., SAN FRANCISCO STATE COL., 68- Asst. Urban Land Inst., 65-66. Planning consult., Appalachian Study Proj., Litton Indust., 65; Marcou-O'Leary Assocs., 66. AAAS; fel. Am. Geog. Soc.; Asn. Am. Geog. Quantitative applications in historical and cultural geography, especially historical demography and urban history; computer applications in geography. Publ.: Co-auth., A color-magnitude diagram of high velocity double stars, Astron. J., 60; auth., Azimuthal projections in selenography, J. Int. Lunar Soc., 60; A reconnaissance chart of the Central Oceanus Procellarum, Strolling Astronomer, 61. Address: 2775 39th Ave., San Francisco, Calif. 94116.
- WESTLAKE, DR. PHILIP RADCLIFFE. Information Science, Communications. See Suppl. VI to 11th ed, Phys. & Biol. Vols.
- WESTLEY, PROF. BRUCE H(UTCHINSON). Journalism, Communications. See L-Z Vol. 11th ed, Soc. & Behav. Vols. New position & address: Prof. & chmn., 69-, Dept. of Journalism, University of Kentucky, Lexington, Ky. 40506.
- WESTLUND, PROF. RUTH ELFRIDA, b. Minneapolis, Minn., July 15, 16. EDUCATIONAL & COUNSELING PSYCHOLOGY. B. Minnesota, Minneapolis, 38; M.A., 40, Ph.D. (ed. psychol.), 59; Missouri-Columbia, 41; summers, Colorado, 52, Kent State, 68. Asst. psychol. & head resident, Col.
- Wooster, 39-42; hall couns., Stephens Col., 42-43; assoc. dir. Sutherland Hall, Fed. Works Agency, Pub. Bldgs. Admin., D.C., 43-45; dir. Barton Hall, 45-50; couns. women, New Mexico State, 50-52; Bemidji State, 52-53; assoc. prof. GUID. & COUNSELING, NORTHERN ILLINOIS, 59-62, PROF., 62-63, ASSOC. DEAN OF WOMEN, 65-, asst. dean of women, 59-65. Psychol. Asn.; Personnel & Guid. Asn.; Nat. Voc. Guid. Asn.; Nat. Asn. Women Deans & Couns. Student adjustment problems; student satisfaction; sorority member achievement and characteristics. Publ.: Benefits to the university, Adelphi, winter 66. Address: 432 Normal Rd., DeKalb, Ill. 60115.
- WESTON, DR. JOHN RICHARD. Communications. See L-Z Vol. 11th ed, Soc. & Behav. Vols. New position & address: Asst. prof., 69-, Division of Social Science, York University, 4700 Keele St., Toronto, Ont., Can.
- WESTWOOD, DR. JOHN N. Modern History, Economics. See 5th ed, Dir. Am. Scholars, Vol. I, Hist.
- WHALEN, PRES. JAMES JOSEPH. Clinical Psychology. See L-Z Vol. 11th ed, Soc. & Behav. Vols. New position & address: Pres., 69-, Newton College of the Sacred Heart, 885 Centre St., Newton, Mass. 02159.
- WHALEY, PROF. FRANCIS L. Psychology. See L-Z Vol. 11th ed, Soc. & Behav. Vols. Change of address: 613 Psychology Bldg., Pennsylvania State University, University Park, Pa. 16802.
- WHALEY, PROF. ROSS S, b. Detroit, Mich., Nov. 7, 37; m. 58; c. 3. FORESTRY ECONOMICS. B.S., Michigan, 59, Ph.D. (resource econ.), 69; M.S., Colorado State, 61. Forester, U.S. Forest Serv., summer 59; instr. forestry, Colorado State, 60-61; res. forester, U.S. Forest Serv., 61-63; asst. prof., resource econ., Utah State, 65-68, assoc. prof. forestry, 68-69; asst. prof., head dept., 68-70; PROF. FORESTRY & ASSOC. DEAN COL. FORESTRY & NATURAL RESOURCES, COLORADO STATE, 70-. Soc. Am. Foresters; Econ. Asn. Application of economic theory to problems of natural resources management and allocation. Publ.: Co-auth., Predicting use of recreation sites, Utah State Univ. Agr. Exp. Sta. Bull., 68, Secondary economic impact from water resources development, Utah Resource Ser. No. 50, 11/69 & An approach to resource allocation on wildlands, Acad. Econ. Res. Center Study Paper, Utah State Univ., 1/70. Address: College of Forestry & Natural Resources, Colorado State University, Ft. Collins, Colo. 80521.
- WHARTON, PRES. CLIFFORD REGINALD, JR. Economics. See L-Z Vol. 11th ed, Soc. & Behav. Vols. New position & address: Pres., 70-, Michigan State University, Cowles House, East Lansing, Mich. 48823.
- WHARTON, DR. LYLE H(HARRISON). Psychology. See L-Z Vol. 11th ed, Soc. & Behav. Vols. New position: Private practice, Beaumont Neurol. Center, 69- Address: 6095 Ventura Lane, Beaumont, Tex. 77706.
- WHEALEN, DR. J(OHN) J(OSEPH). History. See 5th ed, Dir. Am. Scholars, Vol. I, Hist.
- WHEELER, DR. DAVID LAURIE. Geography. See L-Z Vol. 11th ed, Soc. & Behav. Vols. New information also: Assoc. dean, 69-, Graduate School, Illinois State University, Normal, Ill. 61761.
- WHEELER, PROF. HARVEY, JR. Political Science. See L-Z Vol. 11th ed, Soc. & Behav. Vols. New position: Sr. fel., 69-, Center for the Study of Democratic Institutions, Santa Barbara, Calif. 93103.
- WHEELER, DR. JAMES O, b. Muncie, Ind., Mar. 7, 38; m. 69; c. 3. ECONOMIC GEOGRAPHY. B.S., Ball State, 59; M.A., Indiana, 63, fel. & Ph.D. (geog.), 66. Instr. GEOG., Ohio State, 64-65; Western Michigan, 65-67; from asst. prof. to ASSOC. PROF. MICH. STATE, 67- Am. Geog. Soc.; Regional Sci. Asn.; Asn. Am. Geog. Transportation geography; urban travel behavior. Publ.: Transportation problems in Negro ghettos, Sociol. & Soc. Res., 1/69; Soc. effects of occupational status on work-trips, J. Regional Sci., 4/69; Transport inputs and residential rent theory: an empirical analysis, Geog. Anal., 1/70. Address: Dept. of Geography, College of Social Science, Michigan State University, East Lansing, Mich. 48823.
- WHEELER, DR. JEAN H(ULEATT). American Intellectual History, Semantics. See 5th ed, Dir. Am. Scholars, Vol. I, Hist.
- WHEELER, PROF. JOHN T(HOMAS). Economics. See L-Z Vol. 11th ed, Soc. & Behav. Vols. New information also: Assoc. dean acad. affairs, sch. bus. admin., California, Berkeley, 69- Address: 1230 Contra Costa Dr., El Cerrito, Calif. 94530.
- WHEELER, DR. LAWRENCE. Psychology. See L-Z Vol. 11th ed, Soc. & Behav. Vols. Change of address: Dept. of Psychology & Optical Science, University of Arizona, Tucson, Ariz. 85721.
- WHEELER, DR. RICHARD G(BBS). Agricultural Economics. See L-Z Vol. 11th ed, Soc. & Behav. Vols. New position: Agr. economist, Robert R. Nathan Associates, Inc., Wash., D.C., 69- Address: R.D. 2, Wallen's Hill, Winsted, Conn. 06098.
- WHEELER, PROF. RONALD WENDELL, JR. Psychology, Psychometrics. See L-Z Vol. 11th ed, Soc. & Behav. Vols. New position: Prof., 69-, Dept. of Psychology, East Texas State University, Commerce, Tex. 75428.
- WHEELER, DR. STANTON, b. Pomona, Calif., Sept. 27, 30; m. 51; c. 3. SOCIOLOGY. B.A., Pomona Col., 52; M.A., Washington (Seattle), 56, Ph.D. 58. Instr. sociol., Washington (Seattle), 56-58, assoc. prof., 63-64; instr., Harvard, 58-60, asst. prof., 60-63; SOCIOLOGIST, RUSSELL SAGE FOUND., 64- PROF. LAW & SOCIOLOGY, YALE, 68-, lectr., 66-68. Sociol. Asn. Social organization; genesis and control of deviant behavior; sociology of law. Publ.: Co-auth., Socialization after childhood, Controlling delinquents & The prevention and control of juvenile delinquency. Address: Russell Sage Foundation, 220 Park Ave., New York, N.Y. 10017.

- WHELAN, PROF. JOHN WILLIAM. Law. See 5th ed, Dir. Am. Scholars, Vol. IV, Philos. Relig. & Law.
- WHIPPLE, DR. BABETTE SAMELSON. Psychology. See L-Z Vol, 11th ed, Soc. & Behav. Vols. New position: Lectr, Wheelock Col, 69. Address: 35 Elizabeth Rd, Belmont, Mass. 02178.
- WHISKER, DR. JAMES BISER, b. Cumberland, Md, Dec. 2, 39. POLITICAL SCIENCE. B.S. Mt. St. Mary's Col.(Md), 61; M.A. Niagara, 62 & 63; cert. Soviet studies, Soviet & E. European Inst, 63; Ph.D.(govt), Maryland, 69. Asst. govt. & polit, Maryland, 65-66, inst, 66-68; ASST. PROF. POLIT. SCI. WEST VIRGINIA, 64. Lectr, Army Intel. Sch. M4 & The Pentagon, 67-68. Asn. Adv. Slavic Studies. Russian political theory; non-democratic political theory and comparative government; firearms legislation and public policy; American theory. Publ: What Communism China done for Albania?, Asian Forum, 69. Address: 607 Morgantown St, Point Marion, Pa. 15474.
- WHITAKER, PROF. GILBERT (RILEY), JR. Economics, Statistics. See L-Z Vol, 11th ed, Soc. & Behav. Vols. New information: Also assoc. dean, 69-, Washington University, Graduate School of Business Administration, St. Louis, Mo. 63130.
- WHITAKER, DR. HARRY ALLEN. Linguistics, Psychology. See Suppl. I to 5th ed, Dir. Am. Scholars.
- WHITAKER, PROF. J(OE) RUSSELL. Geography. See L-Z Vol, 11th ed, Soc. & Behav. Vols. New information: Emer. prof. geog, George Peabody Col, 68. Address: 3418 Hampton Ave, Nashville, Tenn. 37215.
- WHITAKER, DEAN URBAN G, JR. International Relations. See L-Z Vol, 11th ed, Soc. & Behav. Vols. New position: Dean undergrad. studies, 70-, San Francisco State College, San Francisco, Calif. 94132.
- WHITCOMB, PROF. HALE CHRISTY. Finance. See L-Z Vol, 11th ed, Soc. & Behav. Vols. New position: Prof. quantitative sci. div. sch. bus. admin, Duquesne 69. New publ: Co-auth, The Dow theory and the seventy year forecast record, Investors Intel. Inc, 69. Address: School of Business Administration, Duquesne University, Pittsburgh, Pa. 15219.
- WHITE, DR. BENNETT (EXTON), JR. Economics. See L-Z Vol, 11th ed, Soc. & Behav. Vols. New position: Policy adv. to minister of agr, Govt. of Kenya, 68-70. Address: Cooperative State Research Service, Washington, D.C. 20250.
- WHITE, PROF. C(ECIL) THAYER, b. Sulphur Bluff, Tex. Nov. 11, 06; m. 34. POLITICAL SCIENCE. ECONOMICS. A.B. Southwestern (Tex), 28; M.A. George Washington, 30, Sanders fel, 30-34. Economic officer, U.S. Dept. State, 36-47, chief Far East & Mid. East Br, 49-50, asst. officer in charge econ. affairs, N.E. Asian affairs, 50-54, consul, U.S. Consulate Gen. Singapore, 55-57, dep. to econ. counselor, U.S. Embassy, Bangkok, 62-64, Treasury Dept, 64-66; ASSOC. PROF. POLIT. SCI., W.VA. WESLEYAN COL. 66-U.S.A. 43-45, Soc. Int. Law; Polit. Sci. Asn; Acad. Polit. & Soc. Sci. International relations and organizations. Address: Box 26, West Virginia Wesleyan College, Buckhannon, W.Va. 26201.
- WHITE, DR. DOUGLAS R. b. Minneapolis, Minn, Mar. 13, 42; m. 69. CULTURAL ANTHROPOLOGY. B.A. Minnesota, 64, Nat. L. Found. fel, 63-64, Nat. Inst. Ment. Health fel, 64-67, M.A., 67, Ph.D.(anthrop), 69; traveling scholar, Michigan & Columbia, 64-65. ASST. PROF. ANTHROP. PITTSBURGH, 67. Mem. cmt. info, Nat. Acad. Sci-Nat. Res. Coun, 68. AAAS; Anthropol. Asn; Acad. Polit. & Soc. Sci; Soc. Gen. Sys. Res. Cross-cultural research; economic and urban anthropology; mathematical anthropology. Publ: Societal research system: retrieval, quality control and analysis of comparative data, Soc. Sci. Info, 67; co-auth, Standard cross-cultural sample, Ethnology, 69. Address: Dept. of Anthropology, University of Pittsburgh, Pittsburgh, Pa. 15213.
- WHITE, PROF. GILBERT (OWLER). Geography. See L-Z Vol, 11th ed, Soc. & Behav. Vols. New position & address: Dir., 70-, Institute of Behavioral Science, University of Colorado, Boulder, Colo. 80302.
- WHITE, DR. HARRY HOUSTON. Neurology. See Suppl. VI to 11th ed, Phys. & Biol. Vols.
- WHITE, DR. LEONARD B. Sociology. See L-Z Vol, 11th ed, Soc. & Behav. Vols. New position: Dir, 6-1-77, Ed. Serv. Center, 69- Address: 428 Ellen Ave. S.W. New Philadelphia, Ohio 44663.
- WHITE, DR. MARIAN E. Anthropology. See L-Z Vol, 11th ed, Soc. & Behav. Vols. New position: Prof, 68-, Dept. of Anthropology, State University of New York at Buffalo, Buffalo, N.Y. 14214.
- WHITE, ROBERT M(ANSON). Anthropology. See L-Z Vol, 11th ed, Soc. & Behav. Vols. New position: Head anthrop. group, 69-, Pioneering Research Lab, U.S. Army Natick Labs, Natick, Mass. 01760.
- WHITE, PROF. RUDOLPH ALBERT. Economics. See L-Z Vol, 11th ed, Soc. & Behav. Vols. New position & address: Dir. instr, 69-, College of Business Administration, University of Georgia, Journalism-Psychology Complex, Athens, Ga. 30601.
- WHITE, DR. RUSSELL A, b. New York, N.Y. Dec. 9, 36; m. 58; c. 2. GEOGRAPHY. B.A. Hunter Col, 58; M.A. Columbia, 62, Ph.D.(geog), 68. Instr. GEOG, Holstra, 62-68; ASST. PROF. HUNTER COL, 68- Summers, Nat. Sci. Found. Insts, 62-64 & 69, Fulbright-Hays fel, Mex. 67. Asn. Am. Geog. Am. Geog. Soc. Historical geography of Mexico, especially the north Mexican States. Publ: Graduate record examination in geography, Arco, 68. Address: 120 Peach Tree Dr, East Norwich, N.Y. 11732.
- WHITCOTTON, DR. JOSEPH WALTER, b. Sept. 11, 37; U.S. citizen; m. 60; c. 2. ANTHROPOLOGY. B.A. Miami, 59; Ph.D.(anthrop), Illinois, 68. Asst.
- anthrop, Illinois, 61-64; instr. Lawrence, 64-67; ASST. PROF. ANTHROP. OKLAHOMA, 67-, CHMN. DEPT. 69-. Anthropol. Asn; Soc. Appl. Anthropol. Soc. Ethnolist. Ethnohistory of the valley of Oaxaca, Mexico; Spanish Americans of northern New Mexico. Address: Dept. of Anthropology, University of Oklahoma, Norman, Okla. 73069.
- WHITEHEAD, PROF. CARLTON JAMES, b. Doyle, La, Oct. 12, 34; m. 58; c. 3. MANAGEMENT. ORGANIZATION THEORY. B.S. Southeast. La. Col, 58; M.B.A. La. State, 62, Ph.D.(mgt), 64. Analyst, Core Labs, Inc, 56-57; teacher, pub. schs. New Mexico, 58-59; parish schs, La, 59-60; asst. prof. MGT, Southwestern Louisiana, 63-64; New Mexico, 64-65; assoc. prof. TEXAS TECH, 65-68, PROF, 69-, DIR. GRAD. STUDIES, 68. Gen. consult. & mem. bd. dirs, Acosta Awining Corp, 65-, consult. Litton Industs, Inc, 66-69. Acad. Mgt; Inst. Mgt. Sci; Inst. Int. Ed. International management. Publ: Communication—A key to managerial effectiveness, Bus. Topics, spring 67; Managerial pitfalls in the small to medium size business organization, Bus. Rev. Univ. Wash, autumn 67; Organization theory and the management dilemma, Adv. Mgt. J, 10/68. Address: 4110 62nd Dr, Lubbock, Tex. 79413.
- WHITEHEAD, JACK MILTON. Physical Anthropology. See 12th ed, Phys. & Biol. Vols.
- WHITELY, PROF. PAUL L(eROY). Psychology. See L-Z Vol, 11th ed, Soc. & Behav. Vols. New information: Prof. psychol, Millersville State Col. Address: 425 N. President Ave, Lancaster, Pa. 17603.
- WHITEMAN, DR. PAUL H(ENRY), b. Chicago, Ill, Apr. 9, 24; m. 57; c. 3. PSYCHOLOGY. B.A. Western Reserve, 48, M.A., 50; Ph.D. Minnesota, 59. Instr. Inst. child develop, Minnesota, 57-59; sr. psychologist, ed. clin. & instr. ed. psychol, Hunter Col, 59-60; asst. prof. psychol. & dir. psycho-ed. clin, Wisconsin, Madison, 60-63; consult. psychologist, ROHRER, HIBLER & REPLOGLE, 63-70, RESIDENT PARTNER, 70- Consult, Richardson, Bellows & Henry Co, Inc, N.Y. 60. U.S.A.F. 43-46. Psychol. Asn; Soc. Res. Child Develop. Personality and structural development; ecology; development of the individual; personality; research and psychological counseling with children and adults. Publ: Co-auth, Formulation of an index of individual religious involvement: a measure of religiosity irrespective of religious group membership, In: Research in the fields of religion, values and morality and their bearing on religious and character formation: Effects of infantile stimulation upon later emotional stability, J. Comp. & Physiol. Psychol. Development of children's moralistic judgments: age, sex, I.Q., and certain personal-experiential variables, Child Develop. Address: Suite 602 Commerce Tower, 911 Main St, Kansas City, Mo. 64105.
- WHITESIDE, DR. DON, b. Brooklyn, N.Y. May 9, 31; m. 56; c. 5. SOCIOLOGY. B.S. Wis. State, Stevens Point, 58; M.S. Wisconsin, 60; Ph.D.(sociol), Stanford, 67. Instr. SOCIOLOGY, N.C. State, 64-65; from instr. to asst. prof, Tennessee, Knoxville, 65-67; ASST. PROF. ALBERTA, 67- U.S.A. 48-52. Native studies; sociological theory; philosophy of science. Publ: Co-auth, On conservative attitudes, Acta Sociol, 65; auth, Measurement of close kinreds, In: Perspectives on regions & regionalism, 69 & An empirical critique of the method of grounded theory, In: Confrontations, 70. Address: Dept. of Sociology, University of Alberta, Edmonton, Alta, Can.
- WHITESIDE, DR. (LONNIE) RAY, b. Childress, Tex, May 20, 30; m. 51; c. 2. EDUCATIONAL PSYCHOLOGY. B.S. Abilene Christian Col, 53, M.Ed, 57, univ. fel, Texas, Austin, 62-63, Ph.D.(ed. psychol), 64. Asst. registrar, Abilene Christian Col, 55-61; res. assoc. ed. psychol. & admin. asst., Texas, Austin, 63-64; asst. prof. ed, ABILENE CHRISTIAN COL, 64-66, ASSOC. PROF, 66-69; ASST. PROF., 69-, DIR. INSTNL. STUDIES, 65-, CHMN. DEPT. PSYCHOL, 70-. Med.Serv.C, U.S.A. 53-55. Psychol. Asn; Asn. Higher Ed; Ed. Res. Asn. Personality and other factors affecting human behavior and learning. Address: Abilene Christian College Station, Box 8011, Abilene, Tex. 79601.
- WHITLEY, DR. OLIVER READ. Sociology of Religion. See L-Z Vol, 11th ed, Soc. & Behav. Vols. Correction: B.D. Yale, 64. Address: Iliff School of Theology, 2201 S. University Blvd, Denver, Colo. 80201.
- WHITMAN, DR. ROBERT N(EIL), b. Grosse Pointe, Mich, July 19, 35. PSYCHOLOGY. B.A. Wayne State, 58, M.A., 60, Ph.D.(psychol), 66. RES. PSYCHOLOGIST, Plymouth State Home & Training Sch, Northville, Mich, 66-67; ASST. PROF. PSYCHOL, CENTRAL MICHIGAN, 67. Psychol. Asn. Psychophysics of operant responses; conceptual styles and concept attainment. Address: Psychology Rowe Hall, Central Michigan University, Mt. Pleasant, Mich. 48858.
- WHITMORE, DR. G. A. b. Neepawa, Man, May 13, 40; m. 63; c. 2. STATISTICS, MANAGEMENT SCIENCE. B.S. Manitoba, 64; M.S. Minnesota, 66, Ph.D.(mgt. sci. econ), 68. Asst. prof. MGT, col. commerce, Saskatchewan, 67-68, ASSOC. PROF, 68-69; McGill, 69- R.C.N., 61-63. Statist. Asn; Opers. Res. Soc. Asn; Inst. Mgt. Sci; Can. Oper. Res. Soc. Management science applications in finance and economics; decision theory; statistical analysis in mental health. Publ: Co-auth, Self-correcting problems in statistics, Allyn & Bacon, 70; Independent and joint decision-making for two insurance decisions, J. Risk & Ins, 3/68; auth, Market demand curve for common stock and the maximization of market value, J. Financial & Quant. Anal, 3/70. Address: Faculty of Management, McGill University, Montreal, Que, Can.
- WHITNEY, DR. DANIEL D, b. Alma, Mich, July 25, 37; m. 59; c. 2. ANTHROPOLOGY. B.A. Mich. State, 62, M.A., 63, Ford Found. grant, 64-68, Ph.D.(anthrop), 68. Instr. soc. sci, Lansing Community Col, 65-66; asst. prof. ANTHROP, SAN DIEGO STATE COL, 66-69; ASSOC. PROF, 69-, ASSOC. DEAN COL. ARTS & LETTERS, 69. Asst. dir. Asian Studies Center, Mich. State Univ, 65-66; summers, Wenner-Gren Found. grant anthrop. res. to attend, Seventh Int. Cong. Anthropol, Moscow, USSR, 64; community develop. coordinator, Jamaica Peace Corps Training proj, San Diego State Col, 67. Consult, U.S. Army Spec. Forces, 62-64. U.S.A.F. 55-59. Anthropol. Asn; Soc. Appl. Anthropol; Soc. Int. De-

- velop. Communication of information within the boundaries of a society, especially the communication of innovative information; the influence of social structure upon values and patterns of behavior; majority-minority group relations. Publ: Co-auth, People in the middle: the Rhade of South Vietnam, Mich. State Univ, 10/62 & The Gospel: local reorganization in Japan, Human Orgn, fall 65. Address: Dept. of Anthropology, San Diego State College, San Diego, Calif. 92115.
- WHITSON, COL. WILLIAM W (ALLICE). U.S.A. International Relations. See L-Z Vol, 11th ed, Soc. & Behav. Vols. New information: Mem. policy planning staff, Int. Security Affairs, 69- & spec. asst. to dep. asst. secy. defense for regional progs, systs. anal, 69-. Office of the Secretary of Defense, The Pentagon, Washington, D.C. 20301.
- WHITTAKER, PROF. JAMES O. Social Psychology. See L-Z Vol, 11th ed, Soc. & Behav. Vols. New position & address: Prof. psychol. & soc. sci., 69-, Psychosocial Lab, The Pennsylvania State University, Middletown, Pa. 17057.
- WHITEMORE, DR. KATHERINE THOMAS. Geography. See L-Z Vol, 11th ed, Soc. & Behav. Vols. Change of address: 270 Middlesex Rd, Buffalo, N.Y. 14216.
- WHITTEN, DR. DAVID O, b. Beaver Falls, Pa. Nov. 30, 40; m. 63; c. 1. ECONOMIC. B.S. Col. Charleston, 62; M.A. South Carolina, 63; Ph.D. (econ), Tulane, 70. Instr. ECON, La. State, New Orleans, 65-68; ASST. PROF., AUBURN, 68-. res. grants-in-aid, 69-70. U.S.M.C.R. 57-63. Econ. Asn. Econ. Hist. Asn.; Agr. Hist. Soc. American economic history; antebellum southern economic history, particularly free blacks. Publ: Tariff and profit in the antebellum Louisiana sugar industry, Bus. Hist. Rev., 70 & Slave buying in 1835 Virginia as revealed by the letters of a Louisiana Negro sugar planter, La. Hist., 70. Address: Dept. of Economics, Auburn University, Auburn, Ala. 36830.
- WIBERLEY, PROF. J (JOHN) ALBERT. Psychology. See L-Z Vol, 11th ed, Soc. & Behav. Vols. New position & address: Prof. & dir., 69-, School Psychology Program, University of Tennessee, Psychological Clinic, 1303 W. Cumberland, Knoxville, Tenn. 37916.
- WICKER, DR. CHARLES ROBINSON, b. Roanoke, Va. Apr. 13, 28; m. 65; c. 1. ANTHROPOLOGY. B.A. Virginia, 45; M.A. Mex. City Col, 54; Buenos Aires Convention grant, Peru, 57-58; Nat. Univ. Mexico, 58-60; U.S. Steel Found. fel. & Ph.D. (anthrop), Arizona, 65. Instr. ANTHROP, Univ. of the Americas, 54-61, asst. prof., 64-66; Fulbright lectr., Paraguay, 66-67; ASSOC. PROF., Northern Illinois, 68-69; OKLAHOMA, 69-. Adv. Center Anthrop. Studies Paraguay Anthropem, 66. U.S.A. 51-53. Fel. Am. Anthropol. Asn. Asn. Archaeol. Mex. Anthropol. Asn. Archaeology of Mesoamerica; archaeology and ethnology of South America; evolution of art styles; kinship systems; ecology. Publ: Olmec: an early art style of pre-columbian Mexico, Univ. Ariz., 70; Pyramids and temple mounds: Mesoamerican influence in southeastern United States, Am. Antiquity, 66; Componential analysis of Chulupí (Ashley) kinship terminology, Ethnology, 69. Address: Dept. of Human Ecology, University of Oklahoma Medical Center, 800 N.E. 13th St, Oklahoma City, Okla. 73104.
- WICHMANN, PROF. ARTHUR A. Economics. See L-Z Vol, 11th ed, Soc. & Behav. Vols. New position & address: Chmn., 69-, Dept. of Economics & Business Administration, Clarion State College, Clarion, Pa. 16214.
- WICKELGREN, PROF. WAYNE (ALLEN). Psychology. See L-Z Vol, 11th ed, Soc. & Behav. Vols. New position & address: Prof., 69-, Dept. of Psychology, University of Oregon, Eugene, Ore. 97403.
- WICKER, DR. ALLAN W, b. Elk Falls, Kans., Aug. 10, 41; m. 63; c. 1. SOCIAL PSYCHOLOGY. B.A. Kansas, 63; M.A., 65, U.S. Pub. Health Serv. fel., 65-67, Ph.D. (psychol), 67. ASST. PROF. PSYCHOL, Wisconsin-Milwaukee, 67-69; ILLINOIS, CHAMPAIGN, 69-. U.S. Pub. Health Serv. Grants, 68-69, 70-71. Psychol. Asn. Behavior setting theory; prediction of overt behavior from attitudes scales and other verbal measures; equity theory. Publ: Size of church membership and members support for church behavior settings, 69 & co-auth, Perceived fairness and pleasantness of social exchange situations: two factorial studies of inequity, 70, J. Personality & Soc. Psychol.; auth, Attitudes versus actions: their relationship of verbal and overt behavioral responses to attitude objects, J. Soc. Issues, 69. Address: Dept. of Psychology, University of Illinois, Champaign, Ill. 61820.
- WICKER, JAMES EUGENE, b. Whittenburg, Tex. Jan. 26, 35; div. c. 2. PSYCHOLOGY. B.A. Texas, 60; M.A. 62. Res. scientist asst. I, Radiobiol. Lab, Texas, 60-62. res. scientist asst. II, 62-63. res. scientist asst. III, 63-64; design engr., GEN. DYNAMICS/FT. WORTH, 64-65, sr. human factors engr., 65-67, SECT. LEADER HUMAN FACTORS RES. SECT. 67. Spec. instr., Texas, 64; Texas Christian, 67-68 & U.S. Am. Psychol. Asn.; Inst. Elec. & Electronics Eng. Human Factors Soc. Simulation of behavior via electronic devices; psychophysiological correlates of behavior. Publ: Learning of sequential response alternations by albino rats, Sec. Aerospace Med, U.S. Air Force, 56; The effects of gamma radiation upon operant water-reinforcement behavior, J. Genetic Psychol., 6/65; A predictor display for aerospace vehicles—Phase III, Gen. Dynamics Res. Report, 12/69. Address: 3436 Clayton Rd., Ft. Worth, Tex. 76116.
- WICKLUND, DR. DAVID A (LGO). Psychology. See L-Z Vol, 11th ed, Soc. & Behav. Vols. New position: Assoc. prof., 69-, Dept. of Psychology, U-20, University of Connecticut, Storrs, Conn. 06268.
- WIDDICOMBE, STACEY (HARRISON), JR. Economics, Political Science. See L-Z Vol, 11th ed, Soc. & Behav. Vols. New position: Sr. ed. specialist, Inter-am. Develop. Bank, 69-. Address: 8023 Glendale Rd, Chevy Chase, Md. 20015.
- WIDMAYER, DR. MARVEL JUNE ALLARD, b. Detroit, Mich.; m. 70. SOCIAL PSYCHOLOGY, STATISTICS. A.B. Mich. State, 58; M.A., 60, Nat. Sci. Found.
- fels, 60-64, Ph.D. (soc. psychol), 65. Asst. dir. soc. sci. div. dept. humanities, Mich. State, 58, asst. to coordinator soc. psychol., 58-60, res. consult, attitude measurement res. proj., sch. labor union, rels., 61-63, instr. dept. psychol., 64, instr. Peace Corps res. contract, comput. inst. soc. sci. res., 64-65, res. assoc. & acting dir., 65-66, lectr. psychomet., dept. psychol., 65; consult, Am. Inst. Res., Md., 66-67; mem. sr. staff, mgt. systs. div, OPERS. RES. INC., Md., 67-69; MEM. PRIN. STAFF, MGT. SYST. GROUP, LEASCO SYST. & RES. CORP., 69-. Summers, Nat. Sci. Found. meeting fel., Mich. State, 59, 60 & 64; res. scientist & dir. U.S. Agency Int. Develop. Ed. Interview Proj., Develop. Ed. & Training Res. Inst., American Univ., 66. Acad. Polit. & Soc. Sci.; Psychol. Asn.; Soc. Psychol. Study Social Issues. Cross-cultural attitude research; multinational research methodology; cultural change and diffusion of innovation research; socio-technical fel., manpower program evaluation. Publ: Peace Corps Research reports and memoranda, Comput. Inst. Soc. Sci. Res., Mich. State Univ., 64-66; Let the machines process your research, do's and don't's for beginners, privately pub., 67; co-auth, The generality of cognitive complexity, J. Soc. Psychol., 59: 73-75. Address: 117 S. Highland, Ossining, N.Y. 10562.
- WIDMAYER, DR. RUTH C. Political Science. See MOULY, DR. RUTH WIDMAYER, this Suppl.
- WIECKING, E (RNST) H (ERMAN). Land Economics. See L-Z Vol, 11th ed, Soc. & Behav. Vols. New information: Retired, 70. Address: 102 N. Quaker Lane, Alexandria, Va. 22304.
- WIEGEL, DR. THOMAS C, b. Milwaukee, Wis., Aug. 18, 32; m. 56; c. 5. POLITICAL SCIENCE, INTERNATIONAL RELATIONS. B.S., Marquette, 56; M.A., Pennsylvania, 65. Reim fel., 65-67, Ph.D. (int. rels.), 67. Admin. officer, for. policy res. inst., Pennsylvania, 65-67, res. assoc. POLIT. SCI., 67-68; ASST. PROF. St. Joseph's Col. (Pa.), 67-69; NORTHERN ILLINOIS, 69-. St. Joseph's Col. faculty res. grant, 67-68. U.S.A. 53-55, Sgt. Am. Polit. Sci. Asn.; Int. Studies Asn. International politics; United States foreign policy; North Atlantic Treaty Organization nuclear relationships; biopolitics. Publ: The evolution of the MLF concept: 1957-1960, Orbis, summer 68; The frequency of conflict events over time, In: The challenge of revolutionary insurgency to United States security, Vol. II, U.S. Navy, 68. Address: Dept. of Political Science, Northern Illinois University, DeKalb, Ill. 60115.
- WIEGNER, DR. EDWARD A, b. Waukegan, Wis. Dec. 13, 39; m. 60; c. 1. ECONOMICS. B.A. Wisconsin, 61, M.S., 65, Ph.D. (econ), 69. Mem. joint staff, Coord. Coun. Higher Ed., Wisconsin, 63-64; asst. to acad. v-pres. univ., MARQUETTE, 64-66, asst. to exec. v-pres., 66-68; ASST. PROF. ECON., 68-. Mem. Wis. Ed. Commun. Bd., 70-. Econ. Asn. International coordination of macroeconomic policies; impact of expenditure tax policies on allocation. Publ: Co-auth, Income averaging for tax purposes: sources of a statutory solution, Northwest: Law Rev., 5-5-65. Address: Dept. of Economics, Marquette University, 606 N. 13th St, Milwaukee, Wis. 53233.
- WIELAND, PROF. JOHN H, b. Toledo, Ohio, June 19, 07; m. 31; c. 2. MARKETING MANAGEMENT. A.B. Oberlin Col., 29; LL.B. Western Reserve, 32; M.A., Pennsylvania, 61, Ph.D. (bus), 63. Mgr. labor rels., advertising mgr., gen. merchandising mgr. & asst. to pres., Standard Oil Co. (Ohio), 32-52; sr. v-pres., Leo Burnett Co., 52-53; gen. mgr. mkt. Pure Oil Co., 53-60; assoc. prof. MKT., ARIZONA, 62-66, PROF., 66-. Ford Found. faculty res. fel. mkt. Chicago, 65; vis. Am. Prof., Lancaster, Eng., 67-68. Consult, numerous corp., 68-. MKT. Asn. Marketing policies and law. Publ: How mortgage prices vary, Ariz. Bus. Rev., 65. Address: 4610 Calle Alivio, Tucson, Ariz. 85718.
- WIENER, DR. DANIEL N (ORMAN). Psychology. See L-Z Vol, 11th ed, Soc. & Behav. Vols. New publ: Practical guide to psychotherapy, Harper, 69. Address: 19 S. First St, Apt. B2302, Minneapolis, Minn. 55401.
- WIENS, PROF. HEROLD J (ACOB). Geography. See L-Z Vol, 11th ed, Soc. & Behav. Vols. New information: Split apt. beginning 1970: Prof. geog., Illinois, Urbana, fall semester & Hawaii, spring semester. Address: Dept. of Geography, University of Hawaii, Honolulu, Hawaii 96822.
- WIGDOR, DR. BLOSSOM (TEMKIN). Psychology. See L-Z Vol, 11th ed, Soc. & Behav. Vols. New information: Also consult in psychol. to dir. gen. treatment serv., Dept. Vet. Affairs, Ottawa, Can., 69-. Address: 503 Roslyn Ave, Westmont, Que. Can.
- WITG, DR. ELISABETH (HEMMERSAM), b. Esbjerg, Denmark, May 22, 35; m. 58; c. 2. SPEECH PATHOLOGY. B.A. State Sem. Emndrupborg, Denmark, 56; M.A. Western Reserve, 60, Ph.D. (speech path), Case Western Reserve, 67. Audiologist, pre-sch. prog., Cleveland Hearing & Speech Center, Ohio, 59-60; instr. speech & hearing, Univ. Bergen, 60-64; fel. SPEECH PATH, MICHIGAN, 67-68, ASST. PROF., 68-. Mem. bd. consult, DELKAM Instructional Sys. Corp., 69-. Speech & Hearing Asn.; assoc. Acoustical Soc. Am.; Int. Soc. Phonetic Sci. Analysis of verbal interaction patterns in language therapy with aphasic adults; aphasic word identification ability as a function of semantic relationship and association strength of verbal clues. Address: Speech Clinic, University of Michigan, 1111 E. Catherine St, Ann Arbor, Mich. 48104.
- WIKSELL, PROF. WESLEY A. Speech, Mass Communications. See 5th ed, Dir. Am. Scholars, Vol. II, Eng. Speech & Drama.
- WILBANKS, DR. THOMAS J, b. Texarkana, Ark., Aug. 4, 38; m. 59; c. 1. GEOGRAPHY. B.A. Trinity (Tex), 60; Nat. Sci. Found. fel., Syracuse, 66-67, M.A., 67, Nat. Acad. Sci.-Nat. Res. Coun. for. field res. fel., 67-68, Soc. Sci. Res. Coun. fel., 68, Ph.D. (geog), 69. ASST. PROF. GEOG., SYRACUSE, 69-. Consult, policy inst., Syracuse Univ. Res. Corp., 69. U.S.A. 60-6, Capt. Asn. Am. Geog. Regional Sci. Asn. Regional economic development; pattern analysis; geographic theory and research methods; technology and human ecology. Address: 735 Ostrom Ave, Syracuse, N.Y. 13210.
- WILCOX, DR. WAYNE A (YRES). Political Science. See L-Z Vol, 11th ed, Soc. & Behav. Vols. New position: Prof. & chmn. dept. polit. sci., 68-, Columbia University, 522 Fayerweather Hall, New York, N.Y. 10027.

- WILD, PROF. JOHN LESLIE, b. London, Ont., Dec. 28, 17; m. 50; c. 2. JOURNALISM, B.A., Western Ontario, 41; M.A., Michigan, 58. Lectr. JOURNALISM, WESTERN ONTARIO, 47-49, asst. prof. 49-52, assoc. prof. 52-54. PROF. 54-; HEAD DEPT., 52- Mem. Royal Cmn. Govt. Orgn. 61-62 & Can. Managing Ed. Conf. mem. exec. com. Press Inst. Can. R.C.A.F. 42-46. Address: 6 Rollingwood Circle, London, Ont., Can.
- WILDAVSKY, DEAN AARON BERNARD. Political Science. See L-Z Vol, 11th ed, Soc. & Behav. Vols. New information: Also dean, 69-, Graduate School of Public Affairs, University of California, 2607 Hearst Ave, Berkeley, Calif. 94720.
- WILDBERGER, DR. WILLIAM CAMPBELL. Administrative Medicine, Psychiatry. See Suppl. V to 11th ed, Phys. & Biol. Vols.
- WILDE, DR. GERALD J. S. b. Groningen, Holland, Oct. 23, 32; m. 57; c. 2. PSYCHOLOGY. B.A., Amsterdam, 55; M.A., 59, Ph.D. (psychol.), 62. Res. psychologist, Univ. Amsterdam, 59-64; asst. prof. PSYCHOL., QUEEN'S (ONT), 64-65, ASSOC. PROF., 65- Lectr., Amsterdam, 59-62; URETH, 62-64; vis. prof., Hunter Coll., 64-65. Consult. Fed. Dept. Transport, Ottawa, 69-. Med.C., Dutch Armed Forces. Can. Psychol. Assn. Personality theory: communications research; human behavior genetics; ergonomic psychology. Address: Dept. of Psychology, Queen's University, Kingston, Ont., Can.
- WILDEN, DR. ANTHONY GEORGE. Literature, Psychology. See 5th ed, Dir. Am. Scholars, Vol. III, For. Lang. & Philol.
- WILDER, CHARLES S(TILES). Economics. See L-Z Vol, 11th ed, Soc. & Behav. Vols. Change of address: 1110 Fidler Lane Apt. 1003, Silver Spring, Md. 20910.
- WILDER, DR. DAVID ELLIOTT, b. Ann Arbor, Mich., Aug. 19, 28; m. 50; c. 2. SOCIOLOGY. B.A., N.Y. Univ., 53; M.A., Columbia, 55, Ph.D.(social), 66. Res. asst. social, bur. appl. soc. res., Columbia, 57-58 & 60-62; proj. dir., 62-64, res. assoc., 64-68, prog. dir., 68-69; lectr. social, City Coll. New York, 58-60; ASSOC. RES. SCIENTIST & SECT. HEAD BIOMET. RES., N.Y. STATE DEPT. MENT. HYG., 69- Adj. assoc. prof. teachers col., Columbia, 69- Consult. res. U.S. Off. Ed., 65-67; Bd. Ed., D.C., 67-69; Regional Planning Assn., Vera Inst. Justice, 68-69; Vitco Corp., 68-70; Nat. Assn. Sec. Sch. Prin., 69-70; U.S.A.F., 49-50; U.S.A.F., 55-56. AAAS: Social. Assn. Ed. Res. Assn. Acad. Polit. & Soc. Sci. Survey research studies of educational systems, including formal organizations at local and national levels, especially role relationships and social context. Publ: Co-auth. An overview of adult education research, Adult Ed. Assn. Am., 59; Research and practice in the teaching of reading. In: Innovation in education, Teachers Col., 64; auth. Teaching styles: parental preferences and professional role definitions, Sociol. of Ed., 67; address: Biometrics Research, New York State Dept. of Mental Hygiene, 722 W. 168th St., New York, N.Y. 10032.
- WILEMON, DR. DAVID LUTHER, b. Waxahachie, Tex., Mar. 27, 37; m. 61; c. 2. MARKETING MANAGEMENT. B.A., Southern Methodist, 59, M.B.A., 60; Ph.D.(bus), Mich. State, 67. ASST. PROF. MKT., SYRACUSE, 66-. Nat. Aeronaut. & Space Admin. res. grant, 68-. Am. South. Advert. Agencies ed. award, 69-. Consumer behavior; product research and development; project management. Publ: Managing product systems: a project management approach, Bus. & Econ. Dimensions, 70. Address: Dept. of Marketing, College of Business Administration, Syracuse University, Syracuse, N.Y. 13210.
- WILENSKY, PROF. HAROLD L. Sociology. See L-Z Vol, 11th ed, Soc. & Behav. Vols. Correction: Prof. social. & res. sociologist, inst. ind. rels., California, Berkeley, 69. Address: Dept. of Sociology, University of California, 410 Barrows Hall, Berkeley, Calif. 94720.
- WILEY, DR. LLEWELLYN N(OEL). Psychology. See L-Z Vol, 11th ed, Soc. & Behav. Vols. New position: Res. psychologist, personnel div., Air Force Human Factors Res. Lab., 69- Address: 243 Oak Knoll Dr., San Antonio, Tex. 78228.
- WILEY, DR. MARY GLENN, b. Louisville, Ky., Nov. 7, 42; m. 66. SOCIOLOGY. B.S.S. Loyola (La), 64; M.A., Vanderbilt, 66, Nat. Inst. Ment. Health fel., 66-68, Ph.D.(social), 68. ASST. PROF. SOCIOLOGY, Washington (St. Louis), 68-69; ILLINOIS, CHICAGO CIRCLE, 69-. Social. Assn. Social interaction and the socialization processes whereby competence in interaction is acquired. Publ: Co-auth. Role and interpersonal style as components of social interaction, Social Forces, 12/66. The growth and transformation of educational accrediting agencies: an exploratory study in the social control of institutions, Sociol. of Ed., winter 68 & Obligation and the flow of difference in exchange, Sociometry, 2/69. Address: Dept. of Sociology, University of Illinois at Chicago Circle, Chicago, Ill. 60680.
- WILEY, DR. RONALD EDWARD, b. Cincinnati, Ohio, June 21, 38; m. 66. EXPERIMENTAL PSYCHOLOGY. B.A., Cincinnati, 62; M.A., Kentucky, 67, Ph.D.(psychol.), 68. ASST. PROF. PSYCHOL., ST. LOUIS, 67-68. Vis. prof., Naval Training Device Center, Fla., summers 68 & 69. U.S.A.F., 56-60. Psychol. Assn. Experimental design in the area of human learning. Publ: Co-auth. The effect of mediation on the retention and strength of previously formed associations, 6: 36-41 & Mediation, recall, and instructional effects, 7: 539-542, J. Verbal Learning & Verbal Behavior; co-auth. Mediated clustering, J. Exp. Psychol. 76: 373-375. Address: Dept. of Psychology, Setson University, DeLand, Fla. 32720.
- WILFORD, DR. WALTON TERRY. Economics. See L-Z Vol, 11th ed, Soc. & Behav. Vols. New position & address: Assoc. prof., 69-, Dept. of Economics, L.S.U. in New Orleans, New Orleans, La. 70122.
- WILHELM, PROF. DONALD, JR. Political Science, Public Administration. See L-Z Vol, 11th ed, Soc. & Behav. Vols. Correction: Prof. polit. sci., Kent State Univ., 68-; vis. prof. & sr. consult. Inst. Admin. fel., Nigeria, 67-68. Address: Dept. of Political Science, Kent State University, Kent, Ohio 44240.
- WILHELMY, DR. ROLAND A. b. Heidelberg, Germany, Aug. 17, 37; U.S. citizen; m. 65; c. 1. PSYCHOLOGY. B.A., Pomona Col., 59; Nat. Defense Ed. Act fel., California, Riverside, 64-67, M.A., 66, Nat. Inst. Ment. Health fel., 67-68, Ph.D.(psychol.), 68. Comp. analyst, Douglas Aircraft Co., 59-60; res. engr. Calif. Inst. Tech., 60-83; ASST. PROF. PSYCHOL., CALIFORNIA, SAN DIEGO, 68-. AAAS: Phys. Soc.; Psychol. Assn. Cognitive consistency; attitude change; conformity. Publ: Role playing and the evaluation of choice alternatives, Univ. Microfilms, 68; co-auth. Conformity and group size, J. Personality & Soc. Psychol., 1/68. Address: Dept. of Psychology, University of California at San Diego, P.O. Box 109, La Jolla, Calif. 92037.
- WILK, DR. MARTIN B(RADBURY). Statistics. See L-Z Vol, 11th ed, Soc. & Behav. Vols. New position: Statist. dir. mgt. sci. res., 69-, Bell Telephone Labs, Room 3A-443, Murray Hill, N.J. 07974.
- WILKES, PROF. SHERRELL RUDDICK. Psychology, Education. See 11th ed, Soc. & Behav. Vols., deceased 69.
- WILKING, S(TEPHEN) VINCENT. Psychology. See L-Z Vol, 11th ed, Soc. & Behav. Vols. New position: Pres., Lasser, Dunwoody Assocs, 69- Address: 300 E. 40th, New York, N.Y. 10016.
- WILKINS, DR. BRUCE TABOR. Natural Resources Management. See Suppl. V to 11th ed, Phys. & Biol. Vols.
- WILKINSON, DR. BRUCE WILLIAM, b. Vanguard, Sask., Apr. 10, 33; m. 60; c. 3. ECONOMICS. B. Com, Saskatchewan, 53; M.A., Alberta, 61; Ph.D. (econ), Mass. Inst. Tech., 64. Landman, Imp. Oil Ltd., 53-58, systs. study analyst, 58-60; asst. prof. ECON., Saskatchewan, 64-65; vis. asst. prof., Western Ontario, 65-66; ASSOC. PROF., ALBERTA, 66-. Consult., Thorne Group Mgt. Consults, 67; Econ. Coun. Can., 67-68. Am. Econ. Assn.; Can. Econ. Assn.; Royal Econ. Soc. Economics of education; Canadian international trade and commercial policy; free trade possibilities in the Pacific and Atlantic regions. Publ: Studies in the economics of education, Can. Dept. Manpower, Queen's Printer, 65; Canada's international trade, Private Planning Assn., Can., 68; co-auth. Effective protection in the Canadian economy, Econ. Coun. Can., 68. Address: 13320 79th Ave., Edmonton 51, Alta., Can.
- WILKINSON, BRYAN (LEE). Industrial Psychology, Mathematical Statistics. See L-Z Vol, 11th ed, Soc. & Behav. Vols. New position: Assoc., J. Toell-ler Assocs., Los Angeles, 68-. Address: 730 Hampton Rd., Burbank, Calif. 91504.
- WILKINSON, DR. DORIS YVONNE, b. Lexington, Ky., June 13, 38. SOCIOLOGY. B.A., Kentucky, 58; Woodrow Wilson fel., Case Western Reserve, 59-61, M.A., 60, Nat. Insts. Health traineeship, 63-66, Ph.D.(social), 68; Nat. Insts. Health traineeship, Ohio State, 63-64. Instr. social & cultural anthrop., Kent State, 61-63; instr. & res. assoc. social, theory & cultural anthrop., Carnegie-Mellon Univ., 65-67; asst. prof. SOCIOLOGY, 67-70; ASSOC. PROF., MACALESTER, 70-. Asst. prof., Columbia, summer 69. AAAS; Social. Assn. Acad. Polit. & Soc. Sci. Social structural variables underlying political violence, particularly political assassinations; attitudes toward the legitimization of violence. Publ: Workbook for introductory sociology, Burgess, 68; Sociological imperialism: a brief comment on the field, Sociol. Quart., 68. The poverty of American sociology, Int. Behav. Scientist, 69. Address: Dept. of Sociology, Macalester College, St. Paul, Minn. 55101.
- WILKINSON, DR. WILLIAM W(ELSBY). Psychology. See L-Z Vol, 11th ed, Soc. & Behav. Vols. Change of address: 15 Denise Dr., R.D. 5, West Chester, Pa. 19380.
- WILL, PROF. ROBERT M. b. Harley, Ont., Apr. 23, 31; m. 64; c. 1. ECONOMICS. B.A., Western Ontario, 53; A.M., Duke, 55, Ph.D.(econ), 58. Instr. econ, BRITISH COLUMBIA, 57-59, asst. prof., 59-63, assoc. prof., 63-69. PROF. ECON. & ASST. DEAN ARTS, 69-. C.D. Howe mem. fel., 67-68. Res. officer, Royal Cmn. Money & Banking, Govt. Can., 62-63, res. supvr., Royal Cmn. Taxation, 63-64. Can. Econ. Assn. Am. Econ. Assn. History of economic analysis; fiscal policy. Publ: Canadian fiscal policy 1946-1963, 64 & The budget as an economic document, 65, Queen's Printer, Ottawa; Economic thought in the encyclopedia, South. Econ. J., 10/65. Address: 1380 W. 47th Ave., Vancouver 13, B.C., Can.
- WILLARD, DR. NORMAN, JR. Psychology. See L-Z Vol, 11th ed, Soc. & Behav. Vols. New position & address: V-pres., 68-, First National City Bank, 399 Park Ave., New York, N.Y. 10022.
- WILLEMS, DR. EDWIN P(AUL), b. Hillsboro, Kans., Jan. 15, 36; m. 55; c. 3. PSYCHOLOGY, ECOLOGY. B.A., Bethel Col.(Kans), 60; Nat. Inst. Ment. Health fel., Kansas, 62-65, M.A., 63, Ph.D.(psychol.), 65. Asst. prof. psychol., Rice, 65-66; assoc. prof. Kansas, 66-69; ASSOC. PROF. PSYCHOL. & RES. ASSOC. INST. URBAN STUDIES, HOUSTON, 69. Clin. assoc. prof. rehab. col. med., Baylor, 69-. Res. consult., Gulf Schs. Suppl. Ed. Center, 67-; res. consult., Tex. Inst. Rehab. & Res. & consult., Environ. Res. Found., Topeka, Kans., 68-69. Psychol. Assn. Soc. Res. Child Develop. Ecological psychology; social psychology and ecology of organizations; group problem solving; visual perception; verbal learning. Publ: Co-auth. Naturalistic viewpoints in psychological research, Holt, 69; auth. An ecological orientation in psychology, Merrill-Palmer Quart., 65 & Sense of obligation to high school activities as related to school size and marginality of student, Child Develop., 67. Address: Dept. of Psychology, University of Houston, Houston, Tex. 77004.
- WILLEMSSEN, DR. ELEANOR (WALKER). Psychology. See L-Z Vol, 11th ed, Soc. & Behav. Vols. New position & address: Acting asst. prof., 69-, Dept. of Psychology, Stanford University, Stanford, Calif. 94305.
- WILLES, DR. MARK H(INCKLEY). Economics. See L-Z Vol, 11th ed, Soc. & Behav. Vols. New position & address: Sr. economist, 69-, Federal Reserve Bank of Philadelphia, 925 Chestnut St., Philadelphia, Pa. 19101.

- WILLETT, JOSEPH W. b. Bardstown, Ky, Jan. 8, 20; m. 44; c. 6. **ECONOMICS**. B.S. Xavier, 42; B.S. Kentucky, 50; M.S. 50; Chicago, 51-53. Res. as. agr. econ. Chicago, 53-55; intel. officer. U.S. GOVT. 55-57, dep. br. chief, 57-61, chief food & agr. br. 61-64, chief West Europe Br. U.S. DEPT. AGR. 64-66, dep. div. dir. FOR REGIONAL ANAL. DIV. ECON. RES. SERV. 66-69, DIV. DIR. 70. Consult. Asian Develop. Bank, 67-68; 70; Joint Task Force For. Aid & Mkt. Develop. U.S. Dept. Agr. & Land Grant Colls. 68. U.S.A.F. 42-45. Agr. Econ. Asn. Foreign agriculture and trade. Publ. The impact of new grain varieties in Asia, U.S. Dept. Agr. 69; Comparative analysis of the earnings of some white and Negro farmers in the United States, J. Farm Econ. 57; Economic organization of Communism agriculture, In: International encyclopedia of the social sciences, Int. Encyclopedia, 68. Address: 4816 Bradford Dr. Annandale, Va. 22003.
- WILLETT, DR. RONALD PAUL. Business Economics. See L-Z Vol. 11th ed, Soc. & Behav. Vols. New information Chmn. 69-, Dept. of Marketing, Graduate School of Business, Indiana University, Bloomington, Ind. 47401.
- WILLEY, DR. DARRELL S. Educational Administration & Psychology. See L-Z Vol. 11th ed, Soc. & Behav. Vols. New information: Also dir. 69-, Education Research Center, New Mexico State University, Box 3-R, Las Cruces, N.Mex. 88001.
- WILLEY, DR. MALCOLM MACDONALD. Sociology. See L-Z Vol. 11th ed, Soc. & Behav. Vols. New information: Prof. sociol. & dept. head, 68-, Maryville College, Maryville, Tenn. 37801.
- WILLHELM, DR. SIDNEY M (CLARTY). Sociology. See L-Z Vol. 11th ed, Soc. & Behav. Vols. New information: Vis. assoc. prof. sociol. McGill, 70-Address: Dept. of Sociology, State University of New York at Buffalo, Buffalo, N.Y. 14214.
- WILLIAMS, DR. CLANTON W (ARE). History. See 5th ed, Dir. Am. Scholars, Vol. I, Hist. New address: Dept. of State, ID Dacha, Washington, D.C. 20521.
- WILLIAMS, DR. EDWARD E. b. Houston, Tex, Aug. 21, 45. **ECONOMICS**. B.S. Pennsylvania, 66; Ph.D. (bus. admin.), Texas, 68. Res. asst. econ. hist. Pennsylvania, 65-66; summer instr. math. Prof. Upward Bound, Texas Southern, 66; teaching assoc. finance, Texas 67-68; ASST. PROF. ECON. RUTGERS, 68- Econ. Asn; Finance Asn; Asst. Asn. Financial theory; business finance; capital theory; financial history; cost of capital; capital structure; dividend policy. Publ. Prospects for the savings and loan industry to 1975, Tex. Savings & Loan League, 68; co-auth. Integrated analysis for managerial finance, Prentice-Hall, 70; auth. Selecting the appropriate form of business organization, Eng. Econ. 69; summer 69. Address: 10 Landing Lane, New Brunswick, N.J. 08903.
- WILLIAMS, DR. EVERETT BELVIN, b. Hennessey, Okla., Oct. 26, 32; m. 59; c. 2. **PSYCHOLOGY**. B.A. Denver, 55; M.A. Columbia, 57, Ph.D. (psychol.), 62, M.S. 70. Trn. teaching & psychol. Vet. Admin. Hosp., N.Y. & N.J., 57-60; counsl. & lectr. psychol. Hunter Col., 60; res. assoc. clin. psychol. TEACHERS COL. COLUMBIA, 61-64; DIR. COMPUT. CENTER & ASST. PROF. PSYCHOL. & ED. 64- Lectr. Barnard Col., Columbia, 62-63, counsl. Columbia Col., 63; fel. Conf. Learning & Ed. Process, Stanford, 65. Consult. Nat. Urban League, 68; mem. adv. com. Off. Fed. Contract Compliance, 69-; info. assessment & selection officer, Peace Corps, AAAS. Psychol. Asn. Mathematical models; cognitive processes; social attitudes and conditions under which cognitive inference schemes and attitudes can be changed. Publ. Co-auth. Driving and connotative meanings, Teachers Col. Columbia Univ, 69; auth. chap. 13 & 14, In: Introduction to psychology, 63; Deductive reasoning in schizophrenia, J. Abnorm. & Soc. Psychol., 64. Address: Computer Center, Teachers College, Columbia University, New York, N.Y. 10027.
- WILLIAMS, DR. GERTRUDE JO (ANNE). Psychology. See L-Z Vol. 11th ed, Soc. & Behav. Vols. New position & address: Dir. 68-, St. Louis City Child Guidance Clinic, 111 S. Meramec Ave, Suite 312, St. Louis, Mo. 63105.
- WILLIAMS, GLENN F (RANCIS), S.J. Psychology. See L-Z Vol. 11th ed, Soc. & Behav. Vols. New information: Also asst. dean, 69-, College of Arts & Sciences, John Carroll University, Cleveland, Ohio 44118.
- WILLIAMS, PROF. GRIFFITH W (YNNIE). Psychology. See L-Z Vol. 11th ed, Soc. & Behav. Vols. Change of address: 1428 S. Ave. Apt. 3F, Plainfield, N.J. 07062.
- WILLIAMS, DR. HAROLD N. b. Panama, Ill, Nov. 6, 27; m. 48; c. 4. **AUDIOLOGY, SPEECH PATHOLOGY**. B.S. Bradley, 46; M.S. 51, Ed.D. (speech ed), 57; George Peabody Col. Teachers, 53-57. Speech therapist, pub. schs. Portland, Ore. 52-53; exec. dir. Nashville League for Hard of Hearing, 53-56; dir. Augusta Speech & Hearing Center, 56-57; dir. clin. Lamar State Col., 67-69; DIR. SPEECH & HEARING CENTER, TEXAS, EL PASO, 69-Consult-assoc. clin. prof. Med. Col. Ga. 58-57; consult. Med. Col. S.C. 62-66; Phoenix Hsp. 67. U.S.A. 46. Nat. Rehab. Asn. Speech & Hearing Asn; Coun. Except. Children; Nat. Asn. Exec. Dir. Pub. Home clinic training program for disorders of articulation, Med. Col. Ga. 65; Speech rehabilitation of the larengectomized patient, Cancer J. for Clinicians, 61; Viewpoint of an audiologist-director, Audiol. 66. Address: Speech & Hearing Center, University of Texas at El Paso, El Paso, Tex. 79902.
- WILLIAMS, DR. HAROLD R (OGER), b. Arcade, N.Y., Aug. 22, 35; m. 55; c. 2. **ECONOMICS**. B.A. Harper Col., 61; fel. Pa. State, 61-62, M.A. 62; fel. Nebraska, 64-65, Nat. Defense fel. Nebraska, 63-65, fel. 64-65, Ph.D. (econ), 65. Instr. ECON. Pa. State, 62-63; Nebraska, 65-66; asst. prof. Kent State, 66-68, assoc. prof. 68-69; Nat. Sci. Found. sci. faculty fel. Harvard, 69-70; ASSOC. PROF. ECON. KENT STATE, 70- Summers, Fed. Govt. Ed. Dept. grant, Kent State, 65, res. grant. 67. Econ. Asn; Finance Asn; Int. Econ. Asn. International economics; macroeconomic theory; money, banking and monetary theory. Publ. Macroeconomics: problems, concepts and self-tests, Norton, 67; co-auth. Macroeconomic analysis: selected readings, Appleton,
- 69 & Money, banking, and monetary theory: problems, concepts, and self-tests, Harper, 69. Address: Dept. of Economics, Franklin Hall, Kent State University, Kent, Ohio 44240.
- WILLIAMS, DR. HARRY, JR. b. Bynum, Tex, Mar. 10, 24; m. 47; c. 4. **ECONOMICS**. B.A. Texas, 49; M.A. 50, Ph.D. (econ), 57. From instr. to prof. Houston, 51-59; mgr. requirements res. & planning, Tex. Instruments, Inc. 59-61; sr. economist, weapons systs. eval. div. INST. DEFENSE ANAL., 61-62, asst. dir. econ. studies, econ. & polit. studies div. 63-69, ACTING DIR. PROG. ANAL. DIV. 69. V-pres. Gulf Coast Consult, Inc. 57-59. U.S.A. 43- Econ. Asn; Inst. Strategic Studies. Economic history; resource allocation; management of research activities. Publ. Planning for effective resource allocation in universities, Am. Comm. Ed. 66. Address: Program Analysis Division, Institute for Defense Analyses, 400 Army-Navy Dr. Arlington, Va. 22202.
- WILLIAMS, DR. HENRIETTA (VER MEER), b. Pella, Iowa, Apr. 2, 24; m. 46; c. 1. **CLINICAL & EXPERIMENTAL PSYCHOLOGY**. B.A. Iowa, 44; M.A. Illinois, Urbana, 46, fel. 46-48, Ph.D. 49. Counsl. Wisconsin, Madison, 48-51; lectr. psychol. 51-52; res. psychologist, Nat. Insts. Ment. Health, 65-67; RES. PSYCHOL. ST. ELIZABETH'S HOSP. D.C. 67- Psychol. Asn. Factor analysis as a statistical device in analyzing functional units in the organism. Publ. A determination of psychosomatic functional units in personality by means of P-technique, J. Soc. Psychol., 54; co-auth. Some factors influencing the treatment expectations of anxious, neurotic outpatients, J. Nervous & Ment. Disease, 67 & Replication of symptom distress factors in anxious neurotic outpatients, Multivariate Behav. Res. 4/68. Address: 7111 Wolfree Lane, Rockville, Md. 20852.
- WILLIAMS, DR. HERBERT H. b. Fentonville, N.Y., May 19, 21; m. 48; c. 3. **ANTHROPOLOGY**. B.A. Western Reserve, 44; M.S. Pittsburgh, 49, Ph.D. (anthrop), 58. Psychologist, Mid.E. Res. Proj. Columbia, 49-51; res. analyst, Inst. Ind. 51-53; PROF. ANTHROPOLOGY, SAN FRANCISCO STATE COL., 55- Nat. Inst. Ment. Health res. grant, 63-64. U.S.A.F. 42-45, S/Sgt. Culture and personality; social structure; Middle East. Publ. Foreign study for Syriansia guide to a long range program, Inst. Int. Ed. 53; co-auth. The Extended family as a vehicle of culture change, Human Rel. 65 & Subjective reactions to the Rorschach test situation, In: Context and meaning in cultural anthropology, Free Press, 65. Address: Dept. of Anthropology, San Francisco State College, San Francisco, Calif. 94132.
- WILLIAMS, PROF. IRVING G (REGORY). International Relations. See L-Z Vol. 11th ed, Soc. & Behav. Vols. New information: Also Dir. hist. collections, St. John's (N.Y.), 69- Address: 54 Sunset Ave, Lynbrook, N.Y. 11563.
- WILLIAMS, DR. J. IVAN, b. Holyoke, Colo., July 1, 39; m. 61; c. 2. **SOCIOLOGY**. B.A. Nebr. Wesleyan, 61; Boston, 61-63; M.A. New Hampshire, 66; Ph.D. (sociol.), Fla. State, 68. Instr. SOCIOLOGY, inst. soc. res. Fla. State, 67-68; ASST. PROF. WESTERN ONTARIO, 68- ASST. PROF. COMMUNITY MED. & ASST. CHMN. DEPT. SOCIOLOGY, 69- Consult. Div. Pub. Health Nursing, State Bd. Health, Fla. 66. Pop. Asn; Mental Asn; Soc. Asn; Can. Sociol. & Anthropol. Asn. Publ. An analysis of mental hospital usage, Res. Reports in Soc. Sci., 69; Selection factors in vocational rehabilitation, Soc. Probs. 69. Address: 65 Royal York Rd, London, Ont, Can.
- WILLIAMS, DR. J (AMES) ALLEN, JR. Sociology. See L-Z Vol. 11th ed, Soc. & Behav. Vols. New position: Assoc. prof. 69-, Dept. of Sociology, University of Texas, Austin, Tex. 78712.
- WILLIAMS, DR. JOHN (CLIFTON). Industrial Psychology. See L-Z Vol. 11th ed, Soc. & Behav. Vols. New information: Independent consult. mgt, 69- Address: 5407 Lake Killarney, Waco, Tex. 76710.
- WILLIAMS, DR. JOHN T (AYLOR), JR. Comparative Psychology. See Suppl. VI to 11th ed, Phys. & Biol. Vols.
- WILLIAMS, DR. JUANITA HINGST, b. Jackson, Miss, Dec. 17, 22; m. 42; c. 4. **PSYCHOLOGY**. A.B. Rutgers, 57; M.A. Temple, 59, Ph.D. (psychol.), 63. Psychologist, Vet. Admin. 60-64; private practice, 64-66; ASST. PROF. BEHAV. SCI., SOUTH FLORIDA, 66- Psychol. Asn. Verbal conditioning; personality development. Publ. Conditioning of verbalization, Psychol. Bull. 64 & Modification of preferences, Proc. Am. Psychol. Asn. 65. Address: Dept. of Behavioral Science, University of South Florida, Tampa, Fla. 33620.
- WILLIAMS, DR. KENNETH R, JR. Interpersonal Communication. See 5th ed, Dir. Am. Scholars, Vol. II, Eng. Speech & Drama.
- WILLIAMS, DR. MEYER. Psychology. See L-Z Vol. 11th ed, Soc. & Behav. Vols. New position: Chief psychol. serv. Vet. Admin. Hosp, Madison, 69- Address: 927 Cornell Court, Madison Wis. 53705.
- WILLIAMS, DR. OLIVER HOYT, b. Brashear, Tex, Dec. 18, 11; m. COUNSELING, GUIDANCE. A.B. E. Tex. State Teachers Col., 36; summer, Colorado, 41; M.A. Texas, 49; Ph.D. (ed. psychol.), Texas, Austin, 59. Prin. high sch. Tex. 36-38, teacher, 38-39, head sci. dept. 39-42; inspector & chief, Dallas Chem. Warfare Procurement Dist. 42-45; Col. recruiter & mem. col. rels. staff, Phillips Petrol. Co. 45-46; counsl. & adv. Texas, 46-59; asst. prof. ed. & dir. guid. ed. Texas Christian, 59-64; prof. psychol. chmn. dept. & counsl. Geneva Col., 64-69; DIR. PRESBY. GUID. CENTER, 69- Fel. Col. Bus. Exchange Prog. Sears Roebuck & Co; chmn. volunteer serv. coun. Tex. State Hosps. & Spec. Schs; vis. summer prof. Macdonald Col. McGill, 63; Tulane, 64; 65; summer proj. dir. employ. orientation & commun. skills classes, Br. Employ. Security, Pa. 68. Mem. bd. dirs, William A. Lintz Sheltered Workshop, Pa. 64-67. Nat. Voc. Ed. Asn; Asn. Counsl. Ed. & Supv; Personnel & Guid. Asn; fel. Mgt. Asn. Educational and adolescent psychology; counselor education. Publ. Selection and placement of technical personnel, Mines Mag. 12/48; Jobs unlimited, Alcalde,

- 6/55; ed, Creative teaching. This is TCU: Mag. Texas Christian Univ, 3/61. Address: Presbyterian Guidance Center, 531 Kirk Rd, Decatur, Ga. 30030.
- WILLIAMS, DR. PATRICK M. b. Hollywood, Calif, Mar. 8, 31; m. 60; c. 3. BEHAVIORAL SCIENCE. B.S. California, 54, M.B.A. 59, fel. 62-64, Ph.D. (mgt. & behav. sci.), 65. Lectr. personnel mgt., Univ. California Exten, 57-59; coordinator exec. prog. & confs. grad. bus. sch. California, Los Angeles, 59-62; asst. prof. indust. rels. SAN JOSE STATE COL, 64-66, dir. inst. indust. rels. SCH. BUS. ADMIN, 66-69, ASSOC. PROF. MANPOWER ADMIN, 68. Asst. dir. inter disciplinary faculty-student seminars, U.S. Off. Ed, 69. Consult. Agn. State Hosp. Control Data Corp, Lockheed Missiles & Space Co, U.S. Forest Serv. Int. Bus. Mach. Corp. & Calif. State Dept. Rehab. U.S.A. 54-57, 1st Lt. Acad. Mgt. Soc. Training & Develop. Management theory and policy; management and organization development; leadership training; manpower planning and policy. Publ: The leadership of organizations, Wiley, (in prep); co-auth. Police leadership, motivation and goal setting, Prentice-Hall, (in prep); auth. Barriers to the delegation of authority in formal organization, NASA, paper 13, 64. Address: Bldg. BB, Suite 4, School of Business, San Jose State College, 125 S. Seventh St, San Jose, Calif. 95114.
- WILLIAMS, DR. PAUL L(EON). Psychology. See L-Z Vol, 11th ed, Soc. & Behav. Vols. New information: Also exec. v-pres, 69-, Yankton College, Yankton, S.Dak. 57078.
- WILLIAMS, PEARL R(AVNER). Economics. See L-Z Vol, 11th ed, Soc. & Behav. Vols. New position: Spec. asst. manpower anal. dir. res. grants, Nat. Insts. Health, 69-. Address: 5101 River Rd, Apt. 1504, Chevy Chase, Md. 20016.
- WILLIAMS, DR. ROBERT C. Speech. See 5th ed, Dir. Am. Scholars, Vol. II, Eng, Speech & Drama.
- WILLIAMS, DR. STANLEY B. Sociology, Anthropology. See L-Z Vol, 11th ed, Soc. & Behav. Vols. New position & address: Chmn, 70-, Dept. of Sociology, University of Tennessee at Martin, Martin, Tenn. 38237.
- WILLIAMS, DR. THEODORE P. Biophysics, Physical Chemistry. See Suppl. VI to 11th ed, Phys. & Biol. Vols.
- WILLIAMS, DR. TIMOTHY CHENEY. Animal Behavior. See Suppl. V to 11th ed, Phys. & Biol. Vols.
- WILLIAMS, DR. WESLEY W. Religion, Sociology. See 5th ed, Dir. Am. Scholars, Vol. IV, Philos, Relig. & Law.
- WILLIAMS, PROF. WILBUR A(LLEN). Educational Psychology. See L-Z Vol, 11th ed, Soc. & Behav. Vols. New information: Also chmn, 68-, Division of Educational Psychology, Eastern Michigan University, Ypsilanti, Mich. 48197.
- WILLIAMS, DR. WILLARD F. Agricultural Economics. See L-Z Vol, 11th ed, Soc. & Behav. Vols. New information: Pres. Agr. Res. Assocs, Inc. Address: Dept. of Agricultural Economics, Texas Tech University, Lubbock, Tex. 79409.
- WILLIAMSON, DR. DONALD S. Pastoral Psychology. See Suppl. I to 5th ed, Dir. Am. Scholars.
- WILLIAMSON, DR. SAMUEL RUTHVEN, JR. Diplomatic History. See 5th ed, Dir. Am. Scholars, Vol. I, Hist.
- WILLICK, DR. DANIEL H. b. St. Louis, Mo. Sept. 4, 42; m. 65; c. 1. SOCIOLOGY. A.B. California, Los Angeles, 64; Woodrow Wilson fel. Chicago, 64-65, Nat. Defense Ed. Act fel. 65-67, A.M. 66, Ph.D. (sociol.), 68. ASST. PROF. SOCIOLOGY, CALIFORNIA, SANTA BARBARA, 67- (sociol. Asn. Public attitudes toward foreign affairs; structure of governmental bureaucracies; sociological study of criminal homicide; sociology of law. Publ: Co-auth. The reinforcement of traditional career patterns in agencies under stress, Pub. Admin. Rev. 2/68; auth. Public interest in international affairs: a cross national study, Soc. Sci. Quart. 9/69; Foreign affairs and party choice, Am. J. Sociol. 1/70. Address: Dept. of Sociology, University of California, Santa Barbara, Calif. 93106.
- WILLIS, DEAN EARL T(HOMAS). Social Science. See L-Z Vol, 11th ed, Soc. & Behav. Vols. New information: Also grad. prof. ed, Towson State Col, 68-. Address: 2001 Tree Lane, Timonium, Md. 21093.
- WILLIS, DR. EDWIN O'NEILL. Ornithology, Ethology. See Suppl. VI to 11th ed, Phys. & Biol. Vols.
- WILLIS, DR. WILLIAM S(HEDRICK), JR. Anthropology. See L-Z Vol, 11th ed, Soc. & Behav. Vols. New position: Assoc. prof, 68-, Southern Methodist University, Dallas, Tex. 75222.
- WILLNER, DR. ANN RUTH. Political Science. See L-Z Vol, 11th ed, Soc. & Behav. Vols. New position & address: Assoc. prof, 69-, Dept. of Political Science, University of Kansas, Lawrence, Kans. 66044.
- WILLOWER, PROF. DONALD JAY. b. Buffalo, N.Y. May 31, 27; m. 49; c. 2. EDUCATIONAL ADMINISTRATION, SOCIOLOGY OF EDUCATION. B.A. Buffalo, 50, M.A. 51, Ed.D. (gen. admin.), 59. Teacher, pub. schs. N.Y. 55-57; instr. Ed. ADMIN, Buffalo, 57-59; asst. prof. P.A. STATE, 59-62, assoc. prof. 62-65, PROF, 65-. Mem. bd. trustees, Univ. Coun. Ed. Admin, 68-; mem. Am. Asn. Sch. Adminstr. Nat. Cmn. Prnt. Prog, 68-70. U.S.A. 45-46. Ed. Res. Asn. The school as a social organization; the theory-practice relationship in education. Publ: Co-ed. & contrib. auth. The professorship in educational administration, Univ. Coun. Ed. Admin, 64; co-auth. The school and pupil control ideology, Pa. State Univ, 67; auth. Schools as organizations, J. Ed. Admin, 69. Address: 207 Rackley Bldg, Pennsylvania State University, University Park, Pa. 16802.
- WILMER, DR. HARRY A(ROON). Psychiatry. See L-Z Vol, 11th ed, Soc. & Behav. Vols. New position & address: Consult. psychiat, 69-, Scott & White Clinic, Temple, Tex. 76501.
- WILMSEN, DR. EDWIN N(ORMAN). Anthropology. See L-Z Vol, 11th ed, Soc. & Behav. Vols. New position & address: Asst. prof. anthrop. & curator, 68-. Museum of Anthropology, University of Michigan, Ann Arbor, Mich. 48104.
- WILSON, DR. ALBERT JOHN ENDSLEY, III, b. Pittsburgh, Pa, Oct. 9, 34; m. 55, 65 c. 3. SOCIOLOGY. B.S. Fla. State, 56, U.S. Pub. Health Serv. fel. 63-65; M.R.C. Florida, 58, Ph.D. (sociol.), 66. Employ. counselor, Fla. State Employ. Serv. Tallahassee, 56-57, rehab. counselor, div. voc. rehab, 58-61, res. soc. scientist, Fla. State Bd. Health, St. Petersburg, 61-66; pub. health behav. scientist, Pa. State Dept. Health, Harrisburg, 66-67; ASST. PROF. BEHAV. SCI. & ASST. DIR. GRAD. PROG. GERONT, SOUTH FLORIDA, 67-. Prin. investigator & proj. dir., U.S. Dept. Health, Soc. & Welfare grant, 69-70, proj. dir. subcontract with Family Serv. Assn. Greater Tampa, 69-70. Sociol. Asn.; Pub. Health Asn.; Geront. Soc. Delivery of health and social services; health of the aged; retirement activities and role; deviant behavior; demographic analysis. Publ: Co-auth. Sampling procedures and problems in a study of extra hospital nursing needs, Nursing Res, summer 64, auth. Effect of health problems on family life of older persons, & Family life among elderly persons, In: The family: structure and function in health crises, spring 70, MacMillan. Address: Institute on Aging, University of South Florida, Tampa, Fla. 33620.
- WILSON, PROF. ANDREW W(ILKINS). Geography. See L-Z Vol, 11th ed, Soc. & Behav. Vols. New information: Appointed mem. cmm. geog. arid lands, Int. Geog. Union, India, 68-. Address: Dept. of Geography & Area Development, College of Business & Public Administration, University of Arizona, Tucson, Ariz. 85721.
- WILSON, DR. ARTHUR JESS. Clinical Psychology. See L-Z Vol, 11th ed, Soc. & Behav. Vols. New position: Psychologist, admin. Franklin D. Roosevelt Hosp, 68-. Address: 487 Park Ave, Yonkers, N.Y. 10703.
- WILSON, PROF. CHARLES Z, JR. Economics, Statistics. See L-Z Vol, 11th ed, Soc. & Behav. Vols. New position & address: Prof. ed. & asst. v.chancellor, 68-, University of California, Murphy Hall, 405 Hilgard, Los Angeles, Calif. 90024.
- WILSON, PROF. CYNTHIA. Climatology, Geography. See Suppl. V to 11th ed, Phys. & Biol. Vols.
- WILSON, DR. DAVID A(RNOLD). Economics. See L-Z Vol, 11th ed, Soc. & Behav. Vols. New position & address: Mgr. econ. & statist. div, 69-. Canadian Pulp and Paper Association, 2300 Sun Life Bldg, Montreal 110, Que, Can.
- WILSON, DR. FRANK B. Speech, Audiology. See Suppl. V to 11th ed, Phys. & Biol. Vols.
- WILSON, DEAN GEORGE WILTON, b. Winnipeg, Man, Feb. 15, 28; m. 52; c. 3. ECONOMICS. B.Comm, Carleton, 50; M.A. Kentucky, 51; fel. Cornell, 52-55, Ph.D. (econ), 55. Economist, Bd. Transport Cmnrs, Ottawa, 51-52; asst. prof. econ. Middlebury Col, 55-57; ECON. TRANSPORTATION SCH. BUS. INDIANA, BLOOMINGTON, 57, assoc. prof. 59-62, PROF. 62-, CHMN. DEPT. ECON, 66-. DEAN COL. ARTS & SCI, 70-. Mem. Pres. Task Force on Transportation, 64, 68. Consult. Brookings Inst, Bur. of Budget, Twentieth Century Fund, Govt. of Can; Robert Nathan Assocs. & U.S. Dept. Justice. Pres. Transportation Res. Forum, 68. Econ. Asn. Economics of transportation and development and public policy; history of economic theory. Publ: Essays on some unsettled questions in the economics of transportation, Found. Bus. & Econ. Studies, Indiana Univ, 62; co-auth. Canada; an appraisal of its needs and resources, Twentieth Century Fund, 65 & The impact of highway investment on development, Brookings Inst, 66. Address: Dept. of Economics, Indiana University School of Business, Bloomington, Ind. 47401.
- WILSON, DR. HELEN K. b. New York, N.Y. Dec. 17, 30; m. 52; c. 4. PSYCHOLOGY. M.A. Minnesota, 67, Nat. Inst. Ment. Health fel. 65-69, Ph.D. (psychol), 69. ASST. PROF. PSYCHOL. & CHMN. DEPT. ST. MARY'S COL. (IND), 69-. Psychol. Asn. Contrast effects as a function of magnitude of reinforcement under free operant conditions; application of findings in human behavior modification. Publ: Co-auth. Cue and secondary reinforcement effects with children, 65 & Resistance to extinction as a function of percentage of reinforcement, number of training trials and conditioned reinforcement, 66, J. Exp. Psychol; co-auth. A correlational comparison of the Wolpe-Lang fear survey schedule and Taylor manifest anxiety scale, Behav. Res. & Ther. 66. Address: Dept. of Psychology, St. Mary's College, Notre Dame, Ind. 46556.
- WILSON, DR. JAMES W(ARNER). Psychology. See L-Z Vol, 11th ed, Soc. & Behav. Vols. Correction in address: Center for Cooperative Education, Northeastern University, Boston, Mass. 02115.
- WILSON, DR. JOHN M. Sociology, Criminology. See 11th ed, Soc. & Behav. Vols, deceased 69.
- WILSON, DR. JOHN OLIVER. Economics. See L-Z Vol, 11th ed, Soc. & Behav. Vols. New position & address: Asst. dir. off. planning, res. & eval, 69-, Office of Economic Opportunity, 1200 19th St. N.W., Room B717, Washington, D.C. 20506.
- WILSON, DR. JOHN PHILIP, b. Knoxville, Ill, Dec. 24, 35. ANTHROPOLOGY. B.S. Illinois, 59, M.A. 61, Ph.D. (anthrop), Harvard, 69. CURATOR archaeol. MUS. N.MEXICO, 63-66, HIST. ARCHEOL., 66-. Soc. Am. Archaeol; fel. Anthropol. Asn.; Soc. Ethnol. Southwest. United States archaeology, history and ethnography; historical archaeology. Publ: Military campaigns in the Navajo country, northwestern New Mexico, 1800-1846, Mus. N.Mex. Res. Records, 67; Excavations at Fort Fillmore, El Palacio, Mus. N.Mex. Vol.

74, No. 2; Another archaeological survey in east-central Arizona: preliminary report, Plateau, Mus. North. Ariz. Vol. 39, No. 4. Address: Museum of New Mexico, P.O. Box 2087, Santa Fe, N.Mex. 87501.

WILSON, DR. JOHN TODD. Psychology. See L-Z Vol. 11th ed, Soc. & Behav. Vols. New position: Provost, 69-, University of Chicago, Chicago, Ill. 60637.

WILSON, DR. LARMAN C. b. Lincoln, Nebr. Apr. 20, 30; m. 59; c. 2. POLITICAL SCIENCE, INTERNATIONAL RELATIONS. B.A. Nebr. State Teachers Col., Chadron, 52; fel. Maryland, 55-57; M.A., 57; Ph.D., 64. Lectr. polit. sci. & econ. Maryland, 57-59; polit. sci., 62-64; asst. prof. U.S. Naval Acad., 64-68; ASSOC. PROF. INT. & INTER-AM. RELS., AMERICAN UNIV., 68-; U.S. Naval Acad. res. grant, summer 66. Summers, consult. Res. Inst., Ill. Inst. Tech., 65; Naval War Col., 66, Center for Res. in Soc. Sys., 67. Polit. Sci. Asn. Soc. Int. Law, Int. Studies Assn.; Latin Am. Studies Assn. Latin American foreign policy of the United States; regional integration; intervention in international law. Publ.: Law and Intervention in the Cuban invasion of 1961, Rev. Droit Int., 9-12/65; The Monroe Doctrine, cold war anarchism, J. Polit., 5/66; Estados Unidos y la Guerra Civil Dominicana, Foro Internacional, 10-12/67. Address: School of International Service, American University, Washington, D.C. 20016.

WILSON, DR. LOGAN. Sociology. See L-Z Vol. 11th ed, Soc. & Behav. Vols. Change of address: American Council on Education, One Dupont Circle, Washington, D.C. 20036.

WILSON, PROF. (RAMON) B. Agricultural Economics, Marketing. See L-Z Vol. 11th ed, Soc. & Behav. Vols. New position: Assoc. dir., 69-, Agricultural Experiment Station, Purdue University, Lafayette, Ind. 47907.

WILSON, PROF. SAMUEL MACK. Economics. See L-Z Vol. 11th ed, Soc. & Behav. Vols. New information: Adm. assoc. dean, sch. bus. admin, Temple, 70- Address: 1730 Susquehanna Rd, Abington, Pa. 19001.

WILSON, DR. STEPHEN R. b. Zanesville, Ohio, Apr. 7, 40; m. 65; c. 2. SOCIOLOGY. B.A. Denison, 62; M.A. Kent State, 64; Ph.D. (sociol.), Duke, 67. ASST. PROF. SOCIOL., TEMPLE, 67- Sociol. Asn. Small groups; social psychology. Publ.: The labor situation in the United States on experimental discussion groups, Sociometry, 6/69; co-auth. Status inconsistency and satisfaction with sororities, Social Forces, 10/69; Some factors influencing instrumental and expressive ratings in task-oriented groups, Pac. Sociol. Rev., winter 70. Address: Dept. of Sociology, Temple University, Philadelphia, Pa. 19122.

WILSON, DR. STEWART WADE. Electrical Engineering, Physics. See Suppl. V to 11th ed, Phys. & Biol. Vols.

WILSON, DR. THEODORE RAYMOND. Economics. See L-Z Vol. 11th ed, Soc. & Behav. Vols. New information: Also acting asst. to the pres, Union Col., 68- Address: Division of Social Science, Union College, Schenectady, N.Y. 12308.

WILSON, DR. (WILLIAM) CODY. Social Psychology. See L-Z Vol. 11th ed, Soc. & Behav. Vols. New position & address: Exec. dir., 68-, U.S. Commission on Obscenity & Pornography, 1016 16th St. N.W., Washington, D.C. 20036.

WIMMER, DR. LARRY T. b. Snowflake, Ariz., Dec. 8, 35; m. 63; c. 4. ECONOMICIS. B.S. Brigham Young, 60; M.A. Chicago, 62; Frank Knight, Marshall Field, Lilly & Earhart fel. & Ph.D. (econ.), 68. Instr. ECON., BRIGHAM YOUNG, 63-65; asst. prof. 66-68; ASSOC. PROF. & ECON. DEPT., 69- Res. analyst, Utah State Legis., 68- Econ. Asn.; Econ. Hist. Asn. Economic history: theory; public finance; international monetary economics. Publ.: Co-auth. Econometric model of the Utah revenue system, Off. Utah Legis. Analyst, 68. Address: Dept. of Economics, Brigham Young University, Provo, Utah 84601.

WINDAL, DR. FLOYD WESLEY. Accounting. See L-Z Vol. 11th ed, Soc. & Behav. Vols. New position: Prof. acct., 69-, Dept. of Accounting & Financial Administration, Michigan State University, East Lansing, Mich. 48823.

WINDER, PROF. ALVIN ELIOT, b. New York, N.Y., Feb. 17, 23; m. 50; c. 4. PSYCHOLOGY, EDUCATION. B.A., Brooklyn Col., 47; M.S., Illinois, 48; Ph.D. (human develop), Chicago, 52. Instr. psychol. & col. couns., Roosevelt, 48-52; staff psychologist, Downey Vet. Admin. Hosp., 52-53; chief psychologist, Vet. Admin. Mt. Hyg. Clin., 53-56; res. assoc. & asst. prof. psychol., Clark, 56-58; chief psychologist, Vet. Admin. Clin., 58-61; assoc. prof. psychol. & dir. counseling center, Springfield Col., 61-63; chmn. dept. psychol., Westfield State Col., 63-65; assoc. prof. couns. ed. sch. ed., MASSACHUSETTS, 65-69; PROF. PSYCHOL. SCH. NURSING, 69- Dexter Found. grant, 68-69; Nat. Inst. Ment. Health grant, 69-74. Consult, Upward Bound, U.S. Off. Econ. Opportunity, 65-67; Springfield Day Care Therapeut. Res. Proj., Mass. Div. Child Guardianship, U.S. Children's Bur., 65-67. U.S.A.A.F., 43-46. Psychol. Asn.; Group Psychother. Asn. Relationship of group processes to treatment; education; the concept of community studies on the affect of minority status and self-attitudes and on social determinants of this status. Publ.: Co-auth. Adolescence: contemporary studies, Am. Book Co., 68; The effect of social class on the length and type of psychotherapy in Veterans' Administration Mental Hygiene Clinic, In: Counseling: readings in theory and practice, Holt, 61; A conjoint use of casework and group psychotherapy: an interdisciplinary approach to the parents of emotionally disturbed children, Child Welfare, 1/68. Address: 191 Rolling Ridge, Amherst, Mass. 01002.

WINDES, PROF. RUSSEL R. Social & Behavioral Sciences, Communication. See 5th ed, Dir. Am. Scholars, Vol. II, Eng. Speech & Drama.

WINDESHAUSEN, PROF. H. NICHOLAS. Marketing. See L-Z Vol. 11th ed, Soc. & Behav. Vols. New position: Prof. mkt. & chmn. grad. studies, Sacramento State Col., 69- Address: 3908 Pounds Ave, Sacramento, Calif. 95821.

WINDMULLER, PROF. JOHN P(HILIP). Labor Economics. See L-Z Vol. 11th ed, Soc. & Behav. Vols. Change of address: 102 Woodcrest Terr., Ithaca, N.Y. 14850.

WINER, DR. HAROLD R(OBERT). Clinical Psychology. See L-Z Vol. 11th ed, Soc. & Behav. Vols. Change of address: 7329 Lakehurst, Dallas, Tex. 75230.

WINER, DR. LEON. Business Administration, Management Science. See L-Z Vol. 11th ed, Soc. & Behav. Vols. New position & address: Assoc. prof., 69-, Baruch College, 17 Lexington Ave, New York City, N.Y. 10010.

WING, PROF. LUCY F. Psychology. See L-Z Vol. 11th ed, Soc. & Behav. Vols. New information: Also dir., 69-, School Psychology & Counseling Programs, State University of New York College at Oswego, Oswego, N.Y. 13126.

WINGATE, PROF. JOHN (WILLIAMS). Business Administration, Marketing. See L-Z Vol. 11th ed, Soc. & Behav. Vols. Change of address: 15 E. 10th St, New York, N.Y. 10003.

WINGFIELD, DR. ROLANDO, b. Charleston, S.C., Nov. 26, 29. SOCIOLOGY, ANTHROPOLOGY. B.A., La. State, 60; M.A., 61, Ph.D. (sociol.), 65. Res. asst. sociol., La. State, Baton Rouge, 60-61; vis. prof. Haiti, 61-63; instr. La. State, Baton Rouge, 63-64; asst. prof. Puerto Rico, 64-65; sociologist, dept. agr. Govt. Tunisia, 65-66; ASST. PROF. SOCIOL., PUERTO RICO, 66- Tech. asst. Haiti, 61-63, Tunisia, 65-66. U.S.M.C., 46-48. Sociol. Asn.; Soc. Int. Develop. Problems of socio-economic development; drug addiction. Publ.: Les Creoles a la Nouvelle-Orleans, un monde qui se meurt, 4/62; Essai sur la liberation des esclaves aux Etats-Unis, 8/62; Semeres: Class structure and class conflict in Haitian society, Social Forces, 3/65. Address: Dept. of Sociology, University of Puerto Rico, Rio Piedras, P.R. 00931.

WINHAM, DR. GILBERT RATHBONE, b. New York, N.Y., May 11, 38; m. 60; c. 2. POLITICAL SCIENCE. B.A. Bowdoin Col., 59; Dipl. Manchester, 65; Ph.D. (polit. sci.), North Carolina, Chapel Hill, 68. ASST. PROF. POLIT. SCI., MCMASTER, 67- Can. Coun. res. grants, 69-71. U.S.N.R., 59-62. Lt. Am. Polit. Sci. Asn.; Can. Polit. Sci. Asn. Decision-making in international politics. Publ.: Quantitative methods in foreign policy analysis, Can. J. Polit. Sci., 6/69; Developing theories of foreign policy-making: a case study of foreign aid, J. Polit., 2/70 & Political development and Lerner's theory: further test of a causal model, Am. Polit. Sci. Rev., 9/70. Address: Dept. of Political Science, McMaster University, Hamilton, Ont. Can.

WINKLER, DR. ROBERT LEWIS, b. Chicago, Ill., Feb. 12, 43; m. 64; c. 1. STATISTICS, APPLIED MATHEMATICS. B.A., Illinois, 63; Ph.D. (statist. math. econ), Chicago, 66. Instr. math, Illinois, Chicago Circle, 66; asst. prof. QUANT. BUS. ANAL., INDIANA, BLOOMINGTON, 66-69; ASSOC. PROF., 69- Nat. Sci. Found. grant, 69-71. Statist. Asn.; Inst. Math. Statist.; Inst. Mgt. Sci. Bayesian inference and decision theory. Publ.: Co-auth. Statistics probability, inference, and decision, 2 Vols., Holt, 70. Address: Dept. of Quantitative Business Analysis, Indiana University, Bloomington, Ind. 47401.

WINNICK, DR. LOUIS. Economics. See L-Z Vol. 11th ed, Soc. & Behav. Vols. New position: Dep. v.pres. nat. affairs, Ford Found. 68- Address: 23 Nassau Dr., Greatneck, N.Y. 11021.

WINNIE, PROF. WILLIAM W. JR., b. Pontiac, Mich., Jan. 27, 28; m. 63. SOCIOLOGY. B.S. Florida, 53, M.A., 55, Ph.D. (inter-Am. studies), 56. Statistician, Int. Statist. Prof. Off., U.S. Bur. Census, 56-58; asst. prof. geog., La. State, 58-59; prof. econ. geog., Nuevo Leon, 59-61; Fulbright lectr., Chile, 61-62; publ. econ. planning, 62-63; asst. prof. econ. geog., Pan Am. Union, 62-63; sociologist, eval. & coord. group. soc. develop. div. Inter-Am. Develop. Bank, 63-64; consult. Latin Am. Center, Univ. California, Los Angeles, 64-66; assoc. res. sociologist, 66-67; prof. sociol., Colorado State, 67-70; FULBRIGHT RES. PROF. ECON. GUADALAJARA, 70- Res. scholar, California, Los Angeles, assoc. Calif. State Col. Long Beach & lectr. Calif. State Col. Fullerton, 64-65; acting dir. Latin Am. studies, Colorado State, 68-69; Am. Philos. Soc. field work grant, Mex. 69-70. Expert soc. affairs, Orgn. Am. States-Inter-Am. Develop. Bank-Econ. Cmn. for Latin Am. Mission to Peru, summer 63. Training officer, Int. Statist. Prof. Off., U.S. Bur. Census, summer 59. U.S.A., 46-47. Sociol. Asn.; Latin Am. Studies Asn. Modernization; population studies; relationships between local community and broader levels of society. Publ.: Latin American development: theoretical, sectoral and operational approaches, Univ. California, Los Angeles, 67; The Spanish surname criterion for the identification of Hispanics in the southwestern United States, Soc. Forces, 60; Communal land tenure in Chile, Ann. Am. Geog., 65; plus others. Address: Faculty of Economics, University of Guadalajara, Guadalajara, Jalisco, Mex.

WINOKUR, DR. STEPHEN. Experimental Psychology. See Suppl. VI to 11th ed, Phys. & Biol. Vols.

WINSBOROUGH, PROF. HALLAM H(ERRIN). Sociology, Demography. See L-Z Vol. 11th ed, Soc. & Behav. Vols. New position & address: Prof., 67-, Dept. of Sociology, University of Wisconsin, Madison, Wis. 53705.

WINSLOW, PROF. R(EX) S(HELTON). Economics. See 11th ed, Soc. & Behav. Vols., deceased 68.

WINSTON, DR. CLEMENT. Statistics. See L-Z Vol. 11th ed, Soc. & Behav. Vols. New information: Retired, 69. Address: 4501 Connecticut Ave. N.W., Washington, D.C. 20008.

WINTER, DR. ARTHUR B(RUCE). Political Science. See L-Z Vol. 11th ed, Soc. & Behav. Vols. New position: Prof. polit. sci., 69-, University of Nebraska, 534 Oldfather Hall, Lincoln, Nebr. 68508.

WINTER, DR. HERBERT R(EDNOLD). Political Science. See L-Z Vol. 11th ed, Soc. & Behav. Vols. New position: Co-ed, Political science: introductory essays and readings, Wadsworth, 70. Address: Dept. of Political Science, Rhode Island College, Providence, R.I. 02908.

- WINTER, DR. JERRY ALAN. Sociology, Social Psychology. See L-Z Vol. 11th ed. Soc. & Behav. Vols. New position & address: Assoc. prof., 70-, Dept. of Sociology, Connecticut College, New London, Conn. 06320.
- WINTER, PROF. RALPH KARL, JR. Law, Economics. See 5th ed. Dir. Am. Scholars, Vol. IV, Philos. Relig. & Law.
- WINTER, PROF. SIDNEY G. JR. b. Iowa City, Iowa, Apr. 20, 35; m. 63; c. 2. ECONOMICS. B.A. Swarthmore Coll. 56; Woodrow Wilson fel., Yale, 56, Junior Sterling fel., 57, Ph.D.(econ), 64; fel. Brookings Inst., 58. Res. economist, Rand Corp., 59-61 & 66-68; staff mem., Coun. Econ. Adv., 61-62; acting asst. prof. ECON., California, Berkeley, 63-64, asst. prof., 64-65, acting asst. prof., 65-66; PROF. DEPT. ECON. & RES. ASSOC. INST. PUB. POLICY STUDIES, MICHIGAN, 68- Ford Found. faculty fel., 65-66; Const. Off. Sec. Defense, 68-69; Rand Corp., 62-69; Human Sci. Res. Inst., 63-65; Nat. Acad. Sci. Adv. Cmt. Civil Defense, 63, 66. Econ. Asn.; Economist. Soc. Organizational decision making and the theory of the firm, especially integration of realistic theories of the firm into theories of market behavior. Publ.: Economic natural selection and the theory of the firm, Yale Econ. Essays, spring 64; Some properties of the closed linear model of production, Int. Econ. Rev., 5/65; The norm of a closed technology and straight-down-the-turnpike theorem, Rev. Econ. Studies, 1/67. Address: Dept. of Economics, University of Michigan, Ann Arbor, Mich. 48104.
- WINTERCORN, ELEANOR (STIEGLER). Audiology, Speech Pathology. See Suppl. V & VI to 11th ed. Phys. & Biol. Vols.
- WINTERS, DR. JOHN J. JR. b. Belfast, Pa. Aug. 4, 28; m. 70. EXPERIMENTAL & DEVELOPMENTAL PSYCHOLOGY. B.A. Fairleigh Dickinson, 57; M.A. New Sch. Soc. Res., 60; Off. Econ. Opportunity scholar, N.Y. Univ., 66-67, Ph.D.(psychol.), 68. Res. fel. ment. retardation, Johnstone Training & Res. Center, N.J., 63-64; res. assoc. verbal learning, Swarthmore Coll., 64-65; retardation, JOHNSTONE TRAINING & RES. CENTER, 65-68, RES. SCIENTIST VERBAL PERCEPTION, 68- U.S.A. 50-52. AAAS; Psychol. Asn.; Asn. Ment. Deficiency. Visual perception, verbal learning, laterality development and decision theory and their relation to child development and mental retardation. Publ.: Co-auth. Development of lateral and choice sequence preferences, Int. Rev. Res. in Ment. Retardation, 68; Subjective organization by retardates and normals during free recall of visual stimuli, 3/69 & auth. A comparison of normals and retardates on physiological and experiential illusions, 5/69, Am. J. Ment. Deficiency. Address: Johnstone Training and Research Center, Bordentown, N.J. 08505.
- WINTERS, DR. RAY WYATT. Physiological Psychology. See Suppl. VI to 11th ed. Phys. & Biol. Vols.
- WINTON, DR. MARIANNE YVONNE, b. Seattle, Wash., Oct. 3, 30. PHYSICAL ANTHROPOLOGY. B.S. California, Berkeley, 54; M.A. 54 & 69, Nat. Inst. Ment. Health fel., 67-69, Ph.D.(anthrop.), 69. Prin. lab. technician, California, Riverside, 57-63; ASST. PROF. ANTHROP., WYOMING, 69- AAAS; Asn. Phys. Anthropol. Asn. Living populations of man, their description and analysis aimed at understanding and predicting future human evolution. Publ.: The secular essential nature of diet of some South American Indians, Am. J. Phys. Anthropol., 70. Address: Box 3361, University Station, Laramie, Wyo. 82070.
- WIRT, PROF. FREDERICK M. Political Science. See L-Z Vol. 11th ed. Soc. & Behav. Vols. Change of address: Institute of Government Studies, University of California, Berkeley, Calif. 94704.
- WIRTHLIN, PROF. RICHARD B. Economics. See L-Z Vol. 11th ed. Soc. & Behav. Vols. New information: Dir. survey res. center, Brigham Young, 69-; pres. Decision Making Info. Los Angeles, Calif., 69- Address: Jesse Knight Bldg., Brigham Young University, Provo, Utah 84601.
- WISDOM, PROF. JOHN OULTON. Philosophy, Psychology. See 5th ed. Dir. Am. Scholars, Vol. IV, Philos. Relig. & Law.
- WISE, PROF. FRED HOBART, b. Summerville, Pa. Mar. 5, 29; m. 50; c. 2. SCIENCE & PSYCHOLOGY. B.S. Pa. State Teachers Coll. Clarion, 51; M.Ed., Pa. State, 56; New Mexico, 58-59; Dayton, 64-65. Teacher, Sandy Twp. Schs., Pa. 51-54; teacher & guid. counsr., Brockway Joint Schs., 54-57; soc. scientist, Rand Corp., 57-58; human factors specialist, Syst. Develop. Corp., 58-62; eng. psychologist, Lockheed Missiles & Space Co., 62-63; sr. human factors scientist, Syst. Develop. Corp., 63-67; ASSOC. PROF. MGT. & DIR. CENTER MGT. & INST. GEORGIA, 67- Inst. Mgt. Sci. Asn. Ed. Data Sys. Computer-based information systems and the application of computers to socio-technical problems. Publ.: Co-auth. Automated human factors task data handling research, Human Factors, 4/67. Address: 405 Riverhill Dr., Athens, Ga. 30601.
- WISENTHAL, DR. MILES, b. Montreal, Que., Oct. 29, 13; m. 35; c. 2. PSYCHOLOGY, STATISTICS. B.A., Sir George Williams, 56; M.A., McGill, 57; Prov. Que. scholar, London, 62-64, Ph.D.(psychol.), 64. Res. asst. psychol. McGill, 56-58, lectr., 58-59, asst. prof., 59-61, assoc. prof., 63-65, prof., 65-69; DIR. ED. DIV. DOM. BUR. STATIST., 69- Lectr., Royal Naval Coll., Eng., 62-64; consult. Ministry Ed. Prov. Que., 64-68. Can. Army, 40-45, Capt. Am. Ed. Res. Asn.; Can. Psychol. Asn.; Can. Ed. Res. Asn.; Brit. Psychol. Soc. Individual differences; learning theory; measurement of human abilities. Address: Education Division, Dominion Bureau of Statistics, Ottawa, Ont., Can.
- WISH, DR. MYRON, b. New Orleans, La. Mar. 23, 40; m. 64; c. 1. PSYCHOLOGY. B.A. Western Reserve, 61; summer, Nat. Sci. Found. fel., Michigan, 62-65, M.A., 63, Ph.D.(psychol.), 66. Asst. prof. psychol. & Ed. TEACHERS COL. COLUMBIA, 66-69, PART-TIME RES. ASSOC. PSYCHOL., 69-; MEM. TECH. STAFF, BELL TEL. LABS., 67- Nat. Sci. Found. grant, 68-73. Participant, Nat. Sci. Found. Inst. Comput. Appln., Univ. Colorado, summer 68. Psychonomic Soc. Psychomet. Soc. Psychol. Asn.; Soc. Psychol. Study Social Issues. Applications of multidimensional scaling in social psychology, perception, and psycholinguistics; measurement theory; mathematical models. Publ.: A model for the perception of Morse Code-like signals, Human-Factors, 67; sr. co-auth. Differences in perceived similarity of nations, In: Multidimensional scaling: theory and applications in the social sciences, Stanford Univ. 70 & Differences in conceptual structures: nations as an exploratory study, J. Personality & Soc. Psychol., 70. Address: Bell Telephone Labs., Murray Hill, N.J. 07974.
- WISNER, DR. ROBERT NEWELL, b. Tecumseh, Mich., Aug. 29, 39; m. 62; c. 3. ECONOMICS, AGRICULTURAL ECONOMICS. B.S. Mich. State, 62, M.S., 64; Ph.D.(agr. econ), Tennessee, 67. ASST. PROF. ECON., IOWA STATE, 67- Agr. Econ. Asn.; Econ. Asn. Agricultural marketing and price analysis, especially grain and farm supply sectors. Publ.: Influence of CCC stocks on cash-futures price spreads in the Chicago corn market, Quart. Bull. Mich. Agr. Exp. Sta., 11/64. Address: Dept. of Economics, Iowa State University, Ames, Iowa 50010.
- WISPE, DR. LAUREN G(LASGOW), b. Oak Park, Ill., June 29, 18; m. 42; c. 2. PSYCHOLOGY. B.S. Northwestern, 41; M.A. Illinois, 47; fel. & Ph.D.(soc. psychol.), Harvard, 50. Asst. prof. psychol., Ohio State, 50-57, assoc. prof., 57-59; mem. staff, prinl. serv. br., Nat. Inst. Ment. Health, 59-63, res. psychologist, lab. psychol., 63-64; res. soc. psychologist, U.S. Dept. Labor, 64-67; PROF. PSYCHOL., OKLAHOMA, 67-, ACTING DIR. GROUP RELS. INST., 67-, chmn. dept. psychol., 67-69. Consult. Prudential Ins. Co., N.J., 50-51; Reed Coll., 53; aviation psychol. lab., Ohio State, 57. Chmn. Cmt. Equality of Opportunity in Psychol., 66-69; mem. rev. cmt. Nat. Inst. Ment. Health, 69- AAAS; Psychol. Asn.; Soc. Psychol. Study Social Issues. Positive forms of social behavior, particularly sympathy, mutual aid, altruism and work. Publ.: Sympathy and empathy, In: Encyclopedia of the social sciences, Macmillan, 68; Present status of the Negro in American psychology, 69 & The bigger the better, 69, Am. Psychologist; plus others. Address: Dept. of Psychology, University of Oklahoma, Norman, Okla. 73069.
- WISSNER, PROF. HOWARD WILLIAM. Economics. See 11th ed. Soc. & Behav. Vols., deceased 68.
- WIT, PROF. DANIEL. Political Science. See L-Z Vol. 11th ed. Soc. & Behav. Vols. New information: Also dir. int. progs., 69-, Northern Illinois University, De Kalb, Ill. 60115.
- WITELSON, DR. SANDRA F(FREEDMAN). Psychology. See 12th ed. Phys. & Biol. Vols.
- WITHALL, DR. JOHN. Psychology, Education. See L-Z Vol. 11th ed. Soc. & Behav. Vols. New information: On leave from Pa. State Univ. as Ford Found. adv.-coordinator, 69-, Comparative Education Centre, University of Lagos, P.O. Box 2368, 47 Marina, Lagos, Nigeria.
- WITHERSPOON, PROF. ROBERT PAUL. Psychology, Counseling. See L-Z Vol. 11th ed. Soc. & Behav. Vols. Change of address: 603 S. Elizabeth, Conway, Ark. 72032.
- WITHEY, PROF. STEPHEN B(ASSETT). Psychology. See L-Z Vol. 11th ed. Soc. & Behav. Vols. Change of address: 735 Peninsula Court, Ann Arbor, Mich. 48105.
- WITTE, DR. ERNEST F(FREDERIC). Economics. See L-Z Vol. 11th ed. Soc. & Behav. Vols. New position & address: Dean, 69-, School of Social Professions, University of Kentucky, Lexington, Ky. 40506.
- WITTE, DR. ROBERT L., b. Granton, Wis., Dec. 18, 32; m. 54; c. 2. COUNSELLING PSYCHOLOGY. B.S., Wis. State, Eau Claire, 56; grad. Luther Theol. Sem., 59; M.S., Wisconsin, Madison, 64, Ph.D.(counseling), 67. ASST. PROF. Psychol., Wis. State, Eau Claire, 66-69; STUDENT PERSONNEL, MINNESOTA, MINNEAPOLIS, 69- U.S.A.F., 51-52. Psychol. Asn.; Personnel & Guidance Asn. Identification of factors involved in high and low academic achievement in college students. Address: 7241 Ninth St., Hudson, Wis. 54016.
- WITTMAN, PROF. JAMES S(MYTHE), JR. Sociology. See L-Z Vol. 11th ed. Soc. & Behav. Vols. New position: Prof. social. West Kentucky, 68- Address: 701 Magnolia Ave., Bowling Green, Ky. 42101.
- WITTEICH, DR. WARREN J(AMES). Psychology. See L-Z Vol. 11th ed. Soc. & Behav. Vols. Change of address: Witteich Assocs. Inc., Morgan House, Stenton Ave. & Mermaid Lane, Philadelphia, Pa. 19118.
- WITUCKI, DR. JEANNETTE RENNER, b. Omaha, Nebr., Feb. 28, 30; m. 49; c. 2. ANTHROPOLOGY, LINGUISTICS. B.A., California, Los Angeles, 60, univ. fel., 60-61, Ph.D.(anthrop.), 66. ASST. PROF. ANTHROP. & LING., CALIF. STATE COL. LOS ANGELES, 67- Anthropol. Asn.; Ethnol. Soc.; Ling. Soc. Am.; Int. Ling. Asn. Correlations between linguistic structure and social structure so that aspects of one can be predicted on the basis of knowledge of the other. Address: Dept. of Anthropology, California State College at Los Angeles, 5151 State College Dr., Los Angeles, Calif. 90032.
- WITTY, PROF. PAUL ANDREW. Psychology. See L-Z Vol. 11th ed. Soc. & Behav. Vols. Change of address: 5555 N. Sheridan Rd., Chicago, Ill. 60640.
- WOFSEY, DR. MARVIN MILTON, b. Stamford, Conn., June 1, 13; m. 49; c. 1. MANAGEMENT. B.S., N.Y. Univ., 35; Hopkins, 37-38; M.A., American Univ., 42, Ph.D.(pub. admin), 66. Orgn. & methods analyst, U.S. Dept. Navy, 47-48, budget analyst, 48-54, acct., 54-57, asst. to comptroller, 57-59, div. dir., data processing, 59-60, asst. dir., center tech. & admin., American Univ., 60-64; div. dir. sys., U.S. Dept. Defense Comput. Inst., 64-67; ASSOC. PROF. MGT., GEORGE WASHINGTON, 67- U.S.N., 43-45. Asn. Comput. Mach.; Data Processing Mgt. Asn.(int. dir., 65-67). Management of automatic data processing systems; design of systems; education and training for computers. Publ.: Management of automatic data processing systems, Thompson Book, 68; Management of computers, 64 & Education and training of programmers, 65, Data Processing. Address: Dept. of Management Sciences, George Washington University, 2129 G St. N.W., Washington, D.C. 20006.

- WOGAMAN, DR. JOHN PHILIP. Social Ethics. See 5th ed, Dir. Am. Scholars, Vol. IV, Philos, Relig. & Law.
- WOGAN, DR. MICHAEL. Clinical Psychology. See L-Z Vol, 11th ed, Soc. & Behav. Vols. New information: Also dir, autumn semester prog, col. liberal arts & sci, Connecticut, 67-70. Address: RFD 2, Box 93A, Coventry, Conn. 06238.
- WOJCIK, DR. ANDREW J. b. Lublin, Poland, Sept. 30, 30; U.S. citizen. POLITICAL SCIENCE. B.A. Georgetown, 53; M.A. Columbia, 58; Ph.D. (polit. sci.), 61. Asst. prof. POLIT. SCI., Reseller-Polytech, 63-65; St. Joseph's Col. (Pa.), 65-66; Michigan, 66-68; ASSOC. PROF. STATE UNIV. N.Y. COL. PLATTSBURGH, 68. Polit. Sci. Assn; Asn. Adv. Slavic Studies. World War II diplomacy; theoretical aspects of political leadership. Publ: Teheran conference and the OZRA-NISA boundary, Arlington, 59; War settlement in eastern Europe, Czar, N.Y. 64; Crisis leadership, Polish Rev, 12/69. Address: Dept. of Political Science, State University of New York College at Plattsburgh, Plattsburgh, N.Y. 12901.
- WOJTUN, DR. BRONISLAW P. b. Brzozow, Poland, Sept. 3, 23; U.S. citizen. ECONOMICS. POPULATION ECONOMICS. B.A. Cologne, 49; M.B.A. Temple, 54; Ph.D. (econ. hist.), Pennsylvania, 68. Asst. Triangel Publ, Inc, 52-56; instr. ECON, Temple, 56-62; assoc. prof. Kutztown State Col, 62-63; vis. assoc. prof. Susquehanna, 65-67; ASSOC. PROF. Indiana Univ. Pa, 67-69; POINT PARK COL, 69- Econ. Asn; Econ. Hist. Asn; Pop. Asn. Am. Population growth and economic development of modern Europe, especially in the 19th and 20th century; analysis of trends in population movement. Publ: Trends in fertility in West Poland in the nineteenth century, 6/67 & Two hypothesis concerning infant mortality in West Poland in the 19th century, 6/69, Susquehanna Univ. Studies. Address: 700 Forbes Ave, Pittsburgh, Pa. 15219.
- WOLBERS, DR. HARRY (LAWRENCE). Psychology. See L-Z Vol, 11th ed, Soc. & Behav. Vols. Change of address: P.O. Station B, Box 3865, Long Beach, Calif. 90803.
- WOLF, DR. ABRAHAM. b. New York, N.Y., Sept. 14, 35; m. 62. PSYCHOLOGY. B.A. Brooklyn Col, 56; M.A. Pennsylvania, 59. Ph.D. (psychol), 61. Instr. PSYCHOL, SCH. MED, TEMPLE, 61-65, ASST. PROF, 65-; V.PRES, ASSOCS. FOR REHAB, INC, 64- Psychol. Asn, 64- Social engineering; consumer behavior; advertising effectiveness. Publ: Co-auth, Birth order, recruitment conditions and volunteering preference, J. Personality & Soc. Psychol, 65; auth, Body rotation and the stability of field dependence, J. Psychol, 65. Address: Associates for Research in Behavior, Inc, Science Center, 34th & Market St, Philadelphia, Pa. 19104.
- WOLF, DR. CHARLOTTE. b. Boulder, Colo, Sept. 14, 26; m. 52; c. 2. SOCIOLOGY. B.A. Colorado, 49, M.A., 59; Ph.D. (sociol), Minnesota, 68. Instr. SOCIOL, St. Mary Col. (Kans), 62-63; lectr, overseas div. Univ. Maryland, Annapolis, 65-67; ASST. PROF., Colorado State, 68-69; TEMPLE BUELL COL, 69- AAAS; Sociol. Asn; Acad. P. Int. & Soc. Sci. Publ: Garrison community: a study of an overseas American military colony, Greenwood Press, 69. Address: Dept. of Sociology, Temple Buell College, 1800 Pontiac St, Denver, Colo. 80220.
- WOLF, DONALD, S.J. Political Science. See L-Z Vol, 11th ed, Soc. & Behav. Vols. New position & address: Assoc. prof, 69-, Dept. of Political Science, Arizona State University, Tempe, Ariz. 85281.
- WOLF, PROF. ELEANOR PAPERNO. b. Detroit, Mich. Feb. 16, 17; m. 36; c. 2. SOCIOLOGY. B.A. Wayne State, 38, M.A., 39, Ph.D. (sociol), 59. Spec. instr. sociol, Wayne State, 44-57; staff sociologist, Merrill-Palmer Inst. Human Develop, 58-60; from. asst. prof. to assoc. prof. SOCIOLOGY, WAYNE STATE, 60-68, PROF, 68- Exec. dir. intergroup rels, Mich. Labor Cmt, 46-54, consult, 60-; community res. dept. Merrill-Palmer Inst, 60- Sociol. Asn; Soc. Study Social Probs. Intergroup and race relations; urban community research and theory. Publ: Co-auth, Change and renewal in an urban community, Praeger, 69; auth, Class and race in the changing city, In: Urban research and policy planning, Sage Pub, 67; The tipping point in racially changing neighborhoods, In: Urban planning and social policy, Basic Books, 68. Address: Dept. of Sociology & Anthropology, Wayne State University, Detroit, Mich. 48202.
- WOLF, PROF. HAROLD ARTHUR. Economics. See L-Z Vol, 11th ed, Soc. & Behav. Vols. New position & address: Prof, 69-, Dept. of Finance, School of Business, University of Texas, Austin, Tex. 78712.
- WOLF, DR. LAURENCE (GRAMBOW). Geography. See L-Z Vol, 11th ed, Soc. & Behav. Vols. New position & address: prof. geog, Cincinnati, 69- Address: 3402 Whitfield, Cincinnati, Ohio 45220.
- WOLF, DR. RICHARD M. b. Pittsburgh, Pa, Sept. 6, 34; m. 58; c. 1. EDUCATIONAL MEASUREMENT, STATISTICS. B.A. Antioch Col, 57; Ed.M. Buffalo, 59; Ph.D. (ed), Chicago, 64. Res. asst. ed. res. center, Buffalo, 57-58; teacher, pub. schs, 58-61; res. asst. dept. ed, Chicago, 61-63; res. soc. grad. sch. ed. & lab. schs, 63-64, asst. prof. & res. assoc, dept. ed, Chicago, 64-65; asst. prof. measurement & statist. sch. ed, Southern California, 65-68; ASSOC. PROF. PSYCHOL. & ED. TEACHERS COL, COLUMBIA, 68- Consult, Int. Ed. Achievement Proj, 65-70. AAAS; Ed. Res. Assn; Psychol. Asn. Measurement of environments; cross-national achievement. Publ: The measurement of environments, In: Testing problems in perspective, Am. Coun. on Ed, 66; Evaluation of several formulae for correction of item-total test correlations in item analysis, J. Ed. Measurement, spring 67; Construction of attitudes and description scales & Data processing, In: International project for the evaluation of educational achievement, phase I: a comparative study of outcomes of mathematics instruction in twelve countries, Address: Box 165, Teachers College, Columbia University, New York, N.Y. 10027.
- WOLF, PROF. WILLIAM B. Business Administration & Management. See L-Z Vol, 11th ed, Soc. & Behav. Vols. New position: Prof. dept. manpower studies, N.Y. State Sch. Indust. & Labor Rel, Cornell, 70- Address: 115 Lienroc Court, Ithaca, N.Y. 14850.
- WOLFE, DR. ARTHUR COFFMAN. b. Pasadena, Calif, Nov. 2, 30; m. 54; c. 4. POLITICAL SCIENCE. B.A. Oberlin Col, 52; Earlham Col, 52-53; M.A. Michigan, 58 & 62. Ph.D. (polit. sci.), 66. Ed. & training specialist, Truck Ed. Dept, 56-60; asst. in res. SURV. RES. CENTER, MICHIGAN, 62-64, asst. study dir, 64-66, STUDY DIR, 66- Med. C. U.S.A. 53-55. Polit. Sci. Asn. Political parties, public opinion and voting behavior in modern and developing democracies; social change in urban America. Publ: Trends in labor union voting behavior, 1948-1968, Indust. Rel, 10/69; co-auth, Continuity and change in American politics, Am. Polit. Sci. Rev, 12/69. Address: 1213 Olivia Ave, Ann Arbor, Mich. 48104.
- WOLFE, PRES. GREGORY BAKER, b. Los Angeles, Calif, Jan. 27, 22; m. 46; c. 3. POLITICAL ECONOMY. A.B. Reed Col, 43; M.A. Fletcher Sch, Law, 45, Ph.D. (int. rel), 61. Staff mem, int. div, Arthur D. Little, Inc, 52-57; exec. dir, Greater Boston Econ. Study Cmt, 57-61; dir, Lat. Am. Prog. Cmt. Econ. Develop, 61-64; fed. negotiator, joint transportation cmt, Nat. Capitol Region, 62-66; dir. off. res. & anal. for Am. repub. bur. intel. & res, U.S. Dept. State, 64-68; PRES, PORTLAND STATE, 68- Consult, Ford Found, 61; U.S. Dept. State, 70- U.S.N.R. 42-46, Lt. Polit. Sci. Asn. Publ: Auth. & co-auth, Metropolitan policy studies and economic base reports, Greater Boston Econ. Study, 57-61. Address: Portland State University, P.O. Box 751, Portland, Ore. 97207.
- WOLFE, DR. THOMAS WILLIAM, b. San Francisco, Calif, Jan. 1, 14; m. 39; c. 3. POLITICAL SCIENCE. B.A. Hiram Col, 35; M.A. Columbia, 50; Ph.D. (polit. sci.), Georgetown, 55, SR. STAFF MEM, RAND CORP, 62- Consult, U.S. Arms Control & Disarmament Agency, 66- Mem, Coolidge Disarmament Cmn, 59-60; U.S. Info. Agency-Nation Disarmament Del, 60. U.S.A.F. 42-62, Col. Asn. Adv. Slavic Studies; Polit. Sci. Asn; Instr. Strategic Studies. Soviet foreign and defense policy; Soviet leadership politics; Warsaw Bloc and Sino-Soviet relationships. Publ: Soviet strategy at the crossroads, Harvard, 63; Soviet power and Europe, Johns Hopkins, 70. Address: 6379 Dockser Terr, Falls Church, Va. 22041.
- WOLFF, DR. KURT J. Psychiatry. See Suppl. VI to 11th ed, Phys. & Biol. Vols.
- WOLFGANG, PROF. MARVIN E (EUGENE). Sociology. See L-Z Vol, 11th ed, Soc. & Behav. Vols. New information: Also chmn, 69-, Dept. of Sociology, University of Pennsylvania; Philadelphia, Pa. 19104.
- WOLFLE, PROF. DAEL. Psychology. See L-Z Vol, 11th ed, Soc. & Behav. Vols. New position & address: Prof, 70-, Graduate School of Public Affairs, University of Washington, Seattle, Wash. 98105.
- WOLKISER, DR. ARTHUR M (ARTIN). Economics. See L-Z Vol, 11th ed, Soc. & Behav. Vols. Change of address: Gude, Winnill & Co, 1 Battery Park Plaza, New York, N.Y. 10004.
- WOLLERSHEIM, DR. JANET P. b. Anaconda, Mont, July 24, 36; m. 59; c. 2. CLINICAL PSYCHOLOGY. B.A. Gonzaga, 58; univ. fel, St. Louis, 58-59, M.A., 60; U.S. Pub. Health fel, Illinois, Urbana, 63-64, 66-67, Ph.D. (clin. psychol), 68. Sch. psychologist, pub. schs, III, 59-63; instr. & teaching asst. psychodiagnostics, Illinois, Urbana, 64-66; intern clin. psychol, Vet. Admin. Hosp, Danville, III, 67-68; clin. psychologist, ment. health clin, MISSOURI-COLUMBIA, 68-69, ASST. PROF. PSYCHOL, 69-, CLIN. PSYCHOLOGIST, & ASST. DIR. TESTING & COUNSELING CENTER, 69-, vis. lectr. abnorm. psychol, 69. Summ. res. assoc. & psychol. consult, sch. soc. work, Illinois, Urbana, 68-69, asst. res. asst. for ex-cpt. children, 66; psychologist, pub. schs, III, 63. Psychol. Asn. Psychological treatment and behavior disorders; psychotherapy outcome research. Publ: Co-auth, The efficacy of two organizational plans for underachieving intellectually gifted children, 63 & An evaluation of two preschool programs for disadvantaged children, 68, Except. Children; Behavior therapy with children: a broad overview, In: Annual progress in child psychiatry and child development, Brunner, 68. Address: 1609 Stanford Dr, Columbia, Mo. 65201.
- WOLOSIN, DR. ROBERT J (ONATHAN), b. Cincinnati, Ohio, Mar. 3, 42; m. 66; c. 1. SOCIAL PSYCHOLOGY. B.A. Chicago, 64; M.S. Michigan, 67, Nat. Sci. Found. & Rackham fel, 67-68, Ph.D. (soc. psychol), 68. ASST. PROF. PSYCHOL, INDIANA, BLOOMINGTON, 68- AAAS. Social psychology and perception; group dynamics; development of social concepts in children. Publ: Self and social perception and the attribution of internal states, Univ. Microfilms, Ann Arbor, 68; co-auth, Individual and group risk-taking in a two choice situation, 1/68 & The development of status distinctions under conditions of inequity, 10/68, J. Exp. Soc. Psychol. Address: Dept. of Psychology, Indiana University, Bloomington, Ind. 47401.
- WOLPERT, DR. ARTHUR. Psychopharmacology, Psychiatry. See L-Z Vol, 11th ed, Soc. & Behav. Vols. New position & address: Psychiatrist, 70-, Sagamore Childrens Hospital, Melville, N.Y. 11746.
- WOMER, PROF. FRANK B (URTON). Educational Psychology. See L-Z Vol, 11th ed, Soc. & Behav. Vols. New information: Staff dir, Nat. Assessment of Ed. Progress, 67- Address: University of Michigan, 401 S. Fourth St, Ann Arbor, Mich. 48103.
- WONG, DR. JAMES J. b. Cleveland, Ohio, Dec. 20, 39; m. 66; c. 1. BUSINESS ADMINISTRATION, MARKETING. B.S.Ch.E, Ohio, 62; M.B.A. Case Western Reserve, 65; Illinois, 65; Hill fel, Ohio State, 67-68, Ph.D. (bus. orgn), 68. Process engr, refinery number 1, Standard Oil Co. Ohio, 62-63; proj. engr, explosive chem. div, Atlas Chem. Indus, Inc, 63; instr. MKT, MISSOURI-ST. LOUIS, 68, ASST. PROF, 69- Consult, Solid Waste Pollution Control Dept, Monsanto Co, summer 69. Mkt. Asn. Interorganizational relationships and behavior; analysis of the organization structure for solid waste management; credit service and consumer behavior. Publ: Retail credit systems—Their relationships, importance and implications for the small retailer, Am. Mkt. Asn, 8/69; Merits of bank credit cards are in-

- definite for merchant having own charge plan. Am. Banker, 9/69; Bank credit cards—the retailer's point of view. J. Consumer Credit Mgt. (in press). Address: Dept. of Marketing, School of Business Administration, University of Missouri-St. Louis, St. Louis, Mo. 63121.
- WONG, DR. PATRICK TEN-CHOI. Genetics. See Suppl. VI to 11th ed, Phys. & Biol. Vols.
- WOOD, DR. DONALD MILTON, b. Gary, Ind., Aug. 27, 37; m. 60; c. 3. EXPERIMENTAL PSYCHOLOGY. B.S. Purdue, 59; M.A. North Carolina, 62, Ph.D. (psychol.), 63. Instr. PSYCHOL. SCH. MED. NORTH CAROLINA, CHAPEL HILL, 63-64, asst. prof., 64-70, ASSOC. PROF., 70-. ASST. DIR. CHILD DEVELOP. INST., Mem. Nat. Coun. Univ. Res. Administr. AAAS; Psychol. Assn. Soc. Res. Child Develop. Psychophysiology: learning and motivation; child development. Address: Child Development Institute, Medical School, University of North Carolina at Chapel Hill, Chapel Hill, N.C. 27514.
- WOOD, DEAN ERNEST RICHARD. Psychology, Statistics. See L-Z Vol, 11th ed, Soc. & Behav. Vols. New position & address: Dean instr., 68-, Southwood College, Salem, N.C. 28385.
- WOOD, DR. FREDERIC C. JR. Religion, Empirical Studies. See 5th ed, Dir. Am. Scholars, Vol. IV, Phils. Relig. & Law.
- WOOD, DR. JAMES RUTLAND, b. Vina, Ala., June 18, 33; m. 55; c. 2. SOCIOLOGY. B.A., Vanderbilt, 54, M.A., 63, Nat. Inst. Ment. Health fel., 66-67, Ph.D. (sociol.), 67; B.D., Yale, 58. ASST. PROF. SOCIOLOGY, INDIANA, BLOOMINGTON, 67- Summer fel. inst. comp. sociol. Indiana Univ., 67. Sociol. Assn. Organizations in their social context. Publ. Co-auth., Industrialization, values, and occupational evaluation in Uruguay. Am. J. Sociol., 7/66, Aspects of racial integration in the Methodist church, Soc. Forces, 12/66; Children's interpersonal tactics, Sociol. Inquiry, winter 67. Address: Dept. of Sociology, Indiana University, Bloomington, Ind. 47401.
- WOOD, DR. JOHN B., b. Ames, Iowa, Oct. 11, 34; m. 57; c. 3. STATISTICS, ELEMENTARY MATHEMATICS EDUCATION. B.S. Wisconsin, 56; Nat. Sci. Found. assistantship, Minnesota, summers 61 & 62, Macpherson fel., 61-62, M.A. 62, Ph.D. (ed), 68. Instr. math, Tarsus Col., Turkey, 56-59; ASST. PROF., Hampton inst., 67-70; ELEM. ED., NORTH DAKOTA, 70-. Statist. Assn. Bayesian statistical inference in psychology and education. Address: New School, University of North Dakota, Grand Forks, N.Dak. 58201.
- WOOD, DR. JOHN J., b. Decatur, Tex., Mar. 21, 40; m. 61; c. 3. ANTHROPOLOGY. B.A., Colorado, 62, M.A., 64, Ph.D. (anthrop.), 67. ASST. PROF. ANTHROP., NORTHERN ARIZONA, 66- Anthrop. Assn. Asst. Phys. Anthrop. Archeology in eastern Colorado; human cytogenetics; cultural ecology; Africa as a research area. Publ. Co-auth., The excavation of the Hazeltine Heights Site, 63 & Comments on the Bisterfield Potato Cellar Site and flexed burials in the western plains, 65, Southwest. Lore. Address: Dept. of Anthropology, Northern Arizona University, Flagstaff, Ariz. 86001.
- WOOD, KENNETH RUSSELL. Mathematical Statistics. See 11th ed, Soc. & Behav. Vols., deceased.
- WOOD, DR. LOWELL D., b. Cardston, Alta., Jan. 23, 33; m. 55; c. 4. ECONOMICS, AGRICULTURAL ECONOMICS. B.S. Brigham Young, 61; M.S., Montana State, 65; Ph.D. (agr. econ), California, Berkeley, 69. Agr. econ. inst., California, Berkeley, 68-69; ASST. PROF. ECON. & AGR. ECON., BRIGHAM YOUNG, 69- Agr. Econ. Assn. Resource economics. Address: 549 E. 2825 N., Provo, Utah 84601.
- WOOD, DR. RICHARD HARVEY. Economics. See L-Z Vol, 11th ed, Soc. & Behav. Vols. New position & address: Prof. bus. admin., 69-, Dept. of Management, College of Commerce & Business Administration, University of Alabama, Box 6154, University, Ala. 35486.
- WOOD, PROF. ROBERT C(OLDWELL). Political Science. See L-Z Vol, 11th ed, Soc. & Behav. Vols. New information: Dir. joint center urban studies, Mass. Inst. Tech.-Harvard, 69-; chmn. bd. dir., Mass. Bay Transportation Authority, 69- Address: Joint Center for Urban Studies, Massachusetts Institute of Technology-Harvard University, 66 Church St., Cambridge, Mass. 02138.
- WOOD, DR. VIVIAN I., b. Kenton, Ohio, Sept. 29, 22. SOCIOLOGY. B.A., Chicago, 52, M.A. 58, Ph.D. (human develop.), 63. Res. assoc. human develop., Chicago, 61-63; res. sociologist, WISCONSIN, MADISON, 63-65, asst. prof. SOC. WORK & SOCIOL., 65-69, ASSOC. PROF., 69-, assoc. dir. Nat. Inst. Child Health & Human Develop. res. training prof. in aging, 66- Midwest Coun. Soc. Res. on Aging fel., 64-67; consult. Nat. Inst. Ment. Health res. demonstration proj., dept. soc. work, Univ. Kansas, 65-66. U.S.W.M.C.R., 43-45, Sgt. Sociol. Assn.; Geront. Soc. Work Ed. Social gerontology; correlates of morale among aged persons; measurement of morale; retirement and migration; retirement-community living; generational value differences; differences in friendship over the life cycle; the grandparental role. Publ. Co-auth., The American retirement community: bane or blessing? J. Gerontol., 4/69 & Methodological issues in measuring the environment in institutions for the aged, Aging & Human Develop., 70; chap. In: Social work and mental retardation, Day, 70. Address: School of Social Work, University of Wisconsin, 1225 Observatory Dr., Madison, Wis. 53706.
- WOOD, DR. WALTER A(BOTT). Geography. See Suppl. V to 11th ed, Phys. & Biol. Vols.
- WOODWARD, PROF. F(LORENCE) M(ARY). Economics. See L-Z Vol, 11th ed, Soc. & Behav. Vols. Change of address: 31 N. Williams St., Burlington, Vt. 05401.
- WOODBURY, NATHALIE F(ERIS) S(AMPSON). Anthropology, Archaeology. See L-Z Vol, 11th ed, Soc. & Behav. Vols. New information: Ed. Newsletter & Bulletins, Am. Anthropol. Assn. 68-; res. assoc. anthropol. Massachusetts, 70- Address: Weatherwood Rd, RFD 3, Amherst, Mass. 01002.
- WOODBURY, PROF. RICHARD B(ENJAMIN). Anthropology, Archaeology. See L-Z Vol, 11th ed, Soc. & Behav. Vols. New position & address: Head, 69-, Dept. of Anthropology, University of Massachusetts, Amherst, Mass. 01002.
- WOODCOCK, DR. RICHARD W(ESLEY). Psychology. See L-Z Vol, 11th ed, Soc. & Behav. Vols. New position & address: Dir. res. 68-, American Guidance Service, Inc., Circle Pines, Minn. 55014.
- WOODEN, PROF. RALPH L(EE). Education. See L-Z Vol, 11th ed, Soc. & Behav. Vols. New information: Also dir. audiovisual center, A&T State University, P.O. Box H-22, Greensboro, N.C. 27411.
- WOODIN, PROF. RALPH JAMES, b. Chardon, Ohio, Aug. 20, 09; m. 32; c. 1. AGRICULTURAL EDUCATION. B.S. Ohio State, 31, M.A. 44, Ph.D. (agr. ed), 52. Teacher high sch., Ohio, 31-40; instr. AGR. ED., OHIO STATE, 40-48, asst. prof., 48-52, assoc. prof., 52-56, PROF., 56- Summers, vis. prof., Auburn, 52, Pa. State, 62, New Mexico State, 63. Ed. Agr. Ed. Mag., 62-65. Voc. Ed. Res. Assn.; Voc. Assn. Supply and demand of teachers of vocational agriculture in the United States, 1965-1969; the use of filing systems by teachers of vocational agriculture in the United States. Publ. Co-auth., A university department evaluates its curriculum, Dept. Agr. Ed., Ohio State Univ., 58; auth., The role of state associations, Am. Voc. J., 10/64; New Resources in audio-visual materials and equipment, Worlds Poultry Sci. J., 1/65. Address: Dept. of Agricultural Education, Ohio State University, Columbus, Ohio 43210.
- WOODMAN, DR. HAROLD DAVID. United States Economic History. See 5th ed, Dir. Am. Scholars, Vol. I, Hist.
- WOODRUFF, DR. LLOYD W(ULBUR). Political Science, Economics. See L-Z Vol, 11th ed, Soc. & Behav. Vols. New position & address: Assoc. prof., 69-, Division of Public Administration, University of New Mexico, Albuquerque, N.Mex. 87106.
- WOODRUFF, DR. ROBERT ARNOLD, JR. Psychiatry. See Suppl. V to 11th ed, Phys. & Biol. Vols.
- WOODS, DR. CLYDE M., b. Seattle, Wash., Nov. 12, 32; m. 60; c. 4. ANTHROPOLOGY. B.A., San Jose State Col., 60, M.S. 61; M.A., Stanford, 63, Ph.D. (anthrop.), 68. ASST. PROF. ANTHROP., CALIFORNIA, LOS ANGELES, 68- U.S.M.C. 52-55, Sgt. Anthrop. Assn. Cultural dynamics; economic anthropology; peasant societies; Middle and Latin America. Publ. San Lucas Toliman, In: Los Pueblos Del Lago Atitlan, Seminario de Integración Social, Guatemala C.A., 69; Students without teachers, In: Learning to work, Aldine, 70; co-auth., Foreign students at a high-pressure university, Sociol. Ed., Vol. 39, No. 2. Address: 74 18th St., Hermosa Beach, Calif. 90254.
- WOODS, DR. JAMES E(DWARD). Psychology. See L-Z Vol, 11th ed, Soc. & Behav. Vols. New position & address: Chief psychologist, 69-, U.S. Medical Center for Federal Prisoners, Springfield, Mo. 65802.
- WOODS, JAMES L(EE), b. Columbus, Ohio, Feb. 29, 32; m. 53; c. 3. POLITICAL SCIENCE. B.A., Ohio State, 53, M.A. 57; univ. fel. Cornell, 56, Farr fel., 58, Soc. Sci. Res. Coun. fel., 59, Off. Sec. Defense fel., 67. Mgt. intern. OFF. SEC. DEFENSE, 60-61, plans analyst, off. dir. mil. assistance, 61-64, soc. sci. analyst, OVERSEAS DEFENSE RES. OFF., ADV. RES. PROJ. CHIEF RESOURCES ANAL. & RES. DIV., 69- U.S.A., 53-55, Res. 55-, Maj. Soc. Int. Law; Polit. Sci. Assn. Asian Studies. National security policy; dynamics of political and economic development; revolutionary warfare; international relations. Address: Office of Secretary of Defense, Advanced Research Projects Agency, Research & Development Center, APO San Francisco 96346.
- WOODS, DR. STEPHEN C(HARLES), b. Pasadena, Calif., Feb. 17, 42; m. 64; c. 2. PSYCHOLOGY, PHYSIOLOGY. B.S., Washington (Seattle), 65, Nat. Defense Ed. Act fel., 66-68, U.S. Pub. Health Asst. fel., 68-70, Ph.D. (psychol.), 70. Clin. chemist, Children's Orthopedic Hosp. & Med. Center, Seattle, Wash., 65-70; ASST. PROF. PSYCHOL., COLUMBIA, 70- Diabetes Assn. Psychol. Assn. Classically conditioned endocrine responses; specific hungers; neural control of metabolic fuel stores; conditioned hypoglycemia. Address: Dept. of Psychology, Columbia University, New York, N.Y. 10027.
- WOODSON, G(EOGE) STANLEY. Biostatistics. See Suppl. V to 11th ed, Phys. & Biol. Vols.
- WOODWARD, DR. ADDISON E., JR., b. Montclair, N.J., Apr. 30, 40; m. 62; c. 2. PSYCHOLOGY. B.S., Long Island, 64, M.A. Conn. Col., 66; Ph.D. (psychol.), Toronto, 68. ASST. PROF. PSYCHOL., ALBION COL., 68- Nat. Sci. res. fcls., 68- Human memory; verbal learning. Publ. Co-auth., Positional and sequential probes in serial learning, Can. J. Psychol., 22: 131-138; co-auth., Transformations of positive and negative information in a modified learning set task, 72: 492-497 & auth., Continuity between serial memory and serial learning (in press), J. Exp. Psychol. Address: Dept. of Psychology, Albion College, 704 E. Porter St., Albion, Mich. 49224.
- WOODWARD, DR. BURTON MOSSMAN, b. Springfield, Mass., Dec. 8, 15; m. 41; c. 2. MANAGEMENT SCIENCE, FINANCE. B.A., Florida, 59, M.B.A. 65, Ph.D., 68. Vpres., Employers Serv. Corp., 55-58; mgr. comput. center, Florida, 59-65, mgr. comput. lab., col. bus. admin., 67-68; ASSOC. PROF., data processing, Northern Arizona, 68-69; MGT. SCI., COL. WILLIAM & MARY, 69- Soc. Gen. Sys. Res.; Inst. Decision Sci.; Economist Soc. Econ. Assn. Use of various statistical techniques to determine trend of stock mar-

- ket. Address: Dept. of Management Science, School of Business Administration, College of William & Mary, Williamsburg, Va. 23185.
- WOODWARD, DR. CHRISTEL A. b. Bronx, N.Y. Jan. 13, 41; m. 66. CLINICAL PSYCHOLOGY. B.S. State Univ. N.Y. Col. Potsdam, 61; M.A., Ohio State, 64, Ph.D. (clin. psychol.), 68. Teacher, elem. sch., N.Y. 61-62; psychologist, Children's Ment. Health Center, Columbus, Ohio, 65; Harding Hosp., 67-68; Lakewood Psychol. Hosp., 68-69; ASST. PROF. PSYCHIAT. (PSYCHOL.), McMASTER, 69. A.A.S. Am. Psychol. Assn. Can. Psychol. Assn. Clinical judgment objective methods of personality measurement; evaluation of mental health programs; clinical child psychology. Address: 58 Lister Ave, Hamilton 52, Ont., Can.
- WOODYARD, DR. HOWARD DALE, b. Chicago, Ill., Dec. 11, 37. CLINICAL & SOCIAL PSYCHOLOGY. B.A. Roosevelt, 61, M.A., 64, Ph.D. (psychol.), Florida, 68. Intern. psychol., Elgin State Hosp., 62-63; Univ. Florida Teaching Hosp., 66-67, mental health worker, child unit, 67-68; ASST. PROF. PSYCHOL., WINDSOR, 69. Can. Coun. res. grant, 69-70. Self perception theory; cognitive dissonance theory; person perception; neuropsychology; diagnostic techniques; treatment techniques. Publ: Co-auth., Personality impression change as a function of the favorableness of first impression, *J. Personality*, 35: 343-357; auth., A test of self-perception: Experiment I, 313-314 & Experiment II, 327-328, *Proc. Annual Convention, Am. Psychol. Assn.*, 69. Address: Dept. of Psychology, University of Windsor, Windsor, Ont., Can.
- WOODYATT, DR. LYLE JOHN. Recent American & Russian History. See 5th ed, Dir. Am. Scholars, Vol. I, Hist.
- WOOLDRIDGE, DR. POWHATAN (JOSEPH), b. Lexington, Ky., Sept. 22, 35; m. 58; c. 3. SOCIOLOGY. B.A., Chicago, 56; B.S., Florida, 57, Fla. Tuberc. & Health Assn. Jels, 58-60, M.A., 60, U.S. Pub. Health Serv. fel, Yale, 61-63, Ph.D. (sociol.), 65. Asst. res. med. sociol., J. Hillis Miller Health Center, 58-60; instr. sociol., Little Rock, 60-61; acting instr. sociol. & nursing, Yale, 63-64, asst. prof., 64-65; SOCIOLOGY, Case Western Reserve, 65-68; ASSOC. PROF., IOWA, 68. Social. Assn. Practice theory and applied research, particularly in the nursing profession; principles of theory construction and research design; statistical procedures and techniques. Publ: Co-auth., Behavioral science, social practice and the nursing profession, *Case West. Reserve Univ.*, 68, Small sample field experiments for evaluating patient care, *Health Serv. Res.*, 67 & Race, status, and interaction between patients and hospital personnel, *Sociol. Quart.*, 68. Address: Dept. of Sociology, University of Iowa, Iowa City, Iowa 52240.
- WOOLF, DR. GERALD, b. New York, N.Y., Nov. 27, 27; m. 51; c. 2. SPEECH PATHOLOGY, AUDIOLOGY. B.S., City Col. New York, 47; M.S., Pittsburgh, 50; Ph.D. (speech path.), N.Y. Univ., 59. Asst. prof. SPEECH, Pa. State, 61-64; Pittsburgh, 64-68; ASSOC. PROF., VERMONT, 68. Speech & Hearing Assn. Psychol. Assn. Publ. Auth. The assessment of stuttering as struggle against and expectancy, *Brit. J. Disorders of Commun.*, 10/67; co-auth., The effect of two ear training procedures on the improvement of auditory discrimination and articulation, *Except. Children*, 5/68. Address: Dept. of Speech, University of Vermont, Burlington, Vt. 05401.
- WOOLLEY, DR. DALE EDWARD. Linguistics, Speech Science. See 5th ed, Dir. Am. Scholars, Vol. III, For. Lang. Ling. & Philol.
- WOOLLEY, DR. HERBERT B (ALLANTYNE). Economics. See L-Z Vol, 11th ed, Soc. & Behav. Vols. Change of address: U.S. Agency for International Development/EAD, APO San Francisco 96352.
- WOOLRYCH, DR. EDMUND H (UMPHRY). Economics. See L-Z Vol, 11th ed, Soc. & Behav. Vols. New information: Economist, Edmund H. Woolrych Co, 69. Address: 736 Stafford Place, San Diego, Calif. 92107.
- WOOLSEY, THEODORE D (WRIGHT). Public Health. See L-Z Vol, 11th ed, Soc. & Behav. Vols. Change of address: National Center for Health Statistics, 8-05 Parklawn Bldg, 5600 Fisher's Lane, Rockville, Md. 20852.
- WORKMAN, DR. ARTHUR DAVID, b. Salt Lake City, Utah, May 22, 25; m. 57; c. 1. COUNSELING & CLINICAL PSYCHOLOGY. B.A., San Francisco State Col., 50, M.A., 54; Ph.D. (counseling psychol.), California, Berkeley, 67. Psychologist, Oakland, Calif., 54-58; clin. psychologist, center alcoholism, Alameda County Dept. Pub. Health, 61-62, asst. proj. dir., Nat. Inst. Ment. Health res., 62-63; clin. psychologist, probt. guid. clin., Alameda County Mental Health Dept., 63-68, sr. clin. psychologist, 68-69; CHIEF CENT. ALCOHOLISM CLIN., ALAMEDA COUNTY PUB. HEALTH DEPT., 69. Instr. exten., San Francisco State Col., 56-59; instr. exten., California, Berkeley, 60-67; Oakland Police Recruit Sch., 68. Spec. consult., Calif. State Dept. Ed., 60-61; consult., Camarillo State Hosp., 67-68. U.S.A.F. 43-46. Psychol. Assn. Publ: Co-auth., Children and other people: achieving maturity through learning, *Holt*, 54, A study of training of electronics and chemical technicians, 61 & The students' cumulative record: underachieved potential, 63, *Calif. State Dept. Ed.*, Address: 8020 Shay Dr., Oakland, Calif. 94605.
- WORLEY, DAVID P (ERRY). Forest Economics. See L-Z Vol, 11th ed, Soc. & Behav. Vols. Change of address: Northeastern Forest Experiment Station, 226 Old Federal Bldg, Columbus, Ohio 43215.
- WORLEY, PROF. JAMES S (AMUEL). Economics, Business Administration. See L-Z Vol, 11th ed, Soc. & Behav. Vols. New information: Also assoc. provost, 68-, Vanderbilt University, Box 1608, Nashville, Tenn. 37203.
- WORTHAM, PROF. A (LERT) W (ILLIAM). Statistics. See L-Z Vol, 11th ed, Soc. & Behav. Vols. New information: Also pres. Int. Comput. Graphics, Inc. Address: 755 Sunny Lane, Bryan, Tex. 77801.
- WORTHINGTON, DR. ALAN GEORGE, b. Brisbane, Australia, Dec. 30, 35; m. 60; c. 3. EXPERIMENTAL PSYCHOLOGY. B.Com., Queensland, 60, traveling scholar, 60-62; Ph.D. (psychol.), London, 62. Demonstr. PSYCHOL., Queensland, 60; McLaughlin res. & teaching fel., Queen's (Ont.), 62-63, asst. prof., 63-65; lectr., Monash, 65-68; assoc. prof., TRENT, 68-69, CHMN.
- DEPT. 69- Australian Psychol. Soc.; Chartered Inst. Secretaries; assoc. Australian Soc. Accountants. Interaction of motivational variables and perceptual processes; application of multidimensional scaling procedures to social psychological problems. Publ: Generalization phenomena associated with previous pairings of USC (shock) and subliminal visual stimuli, *J. Personality & Soc. Psychol.*, 3: 634-640; auth., chap. In: *Perception: a laboratory manual*, New South Wales Univ., 67; Paired comparison scaling of brightness judgements: a method for the measurement of perceptual defense, *Brit. J. Psychol.*, 60: 363-368. Address: Dept. of Psychology, Trent University, Peterborough, Ont., Can.
- WORTHINGTON, PROF. CLARKE S (TEWART), b. Rockford, Ill., Feb. 26, 30; m. 55; c. 2. PHYSIOLOGICAL PSYCHOLOGY. B.A., Arizona, 56; M.A., Northern Illinois, 64; Nat. Insts. Health Serv. fel., 66-67, Ph.D. (psychol.), 68. Asst. prof. PSYCHOL., ARMSTRONG STATE COL., 67-68, assoc. prof., 68-69, PROF. & HEAD DEPT., 69- U.S.A.F. 51-55, 1st Lt. Psychol. Assn. Physiological bases of behavior; animal behavior; primatology and ecology. Publ: Co-auth., Occipital ablation and retention of a visual conditioned avoidance response in the rat, *Psychonomic Sci.*, 67. Address: Dept. of Psychology, Armstrong State College, Savannah, Ga. 31406.
- WORTZ, DR. EDWARD CHARLES, b. Schenectady, N.Y., Oct. 28, 30; m. 58; c. 2. PSYCHOLOGY, PHYSIOLOGY. B.A., Texas, 52, Ph.D. (psychol.), 57. Res. scientist, radiobiol. lab., Univ. Texas, 54-57; sr. res. engr., Gen. Dynamics Corp., 57; instr. engr., Martin-Marietta Corp., 59-62; PROJ. SCIENTIST, AEROSPACE DIV., GARRETT CORP., 62, U.S.N.R., 52-54, Lt. (jg), A.A.S.; assoc. fel. AEROSPACE Med. Assn.; Soc. Psychophysiol. Res.; Human Factors Soc. Psychophysiology of space flight; altered states of consciousness; lunar gravity environments; habitability and quality of life of spacecraft, undersea craft and urban environments. Publ: Co-auth., Man's capability for self locomotion on the moon & Observations on lunar gravity simulation, *NASA Center Report*, 69; auth., Work in reduced gravity environments, *Human Factors*, (in press). Address: 628 33rd St., Manhattan Beach, Calif. 90266.
- WORTZEL, PROF. LAWRENCE H, b. Newark, N.J., Sept. 28, 32; m. 56; c. 2. MARKETING, CONSUMER BEHAVIOR. B.S., Rutgers, 54, M.B.A., Harvard, 63, D.B.A. (mkt), 67. Asst. prof. MKT, BOSTON, 65-67, assoc. prof., 67-69, PROF., 69. Consult., Exec. Off. President of U.S., 66; Soc. Security Admin., 69- U.S.A., 56-57. Mkt. Assn.; Econ. Assn. Consumer life styles; international trade and investment in the pharmaceutical industry; technology transfer in the pharmaceutical industry. Publ: Co-auth., The development of successful financial executives, *Financial Execs. Res. Found.*, 70. The marketing dilemma of Negroes, *J. Mkt.*, 65 & Doctor's choice: the physician and his sources of information about drugs, *J. Mkt. Res.*, 66. Address: Dept. of Marketing, Boston University, Charles River Campus, Boston, Mass. 02215.
- WOUDENBERG, DR. HENRY W, JR., b. Prospect Park, N.J., Sept. 26, 37; m. 62. ECONOMICS. A.B., Calvin Col., 59; M.B.A., Case Western Reserve, 63; Ph.D. (econ), Mich. State, 68. Instr. ECON, Mich. State, 66-67; asst. prof., Kent State, 67-70, ASSOC. PROF., 70- U.S.A., 59. Econ. Assn. Monetary theory and policy; financial institutions, macro-economic theory; regional and developmental economics. Publ: Co-auth., Money, banking and monetary theory, 69, Instructor's manual to accompany Chandler's money, banking and economic activity, 69 & Money, banking and monetary policy: selected readings, 70, Harper. Address: Dept. of Economics, Kent State University, Kent, Ohio 44240.
- WRIGGINS, PROF. HOWARD. Political Science, International Relations. See L-Z Vol, 11th ed, Soc. & Behav. Vols. New publ: The ruler's imperative: strategies for political survival in Africa and Asia, Columbia Univ., 69. Address: Dept. of Political Science, Columbia University, New York, N.Y. 10027.
- WRIGHT, DR. ARTHUR LEE, b. Keokuk, Iowa, July 18, 38; m. 61; c. 1. ECONOMICS. B.S., Illinois, 61; M.S., Southern Illinois, 62; Ph.D. (agr. econ), Missouri, 70. Trainee, Ill. Prod. Credit Assn., summer 60; instr. econ, Ferris State Col., 62-68; ECONOMIST, FED. RESERVE BANK OF DALLAS, 69. Agr. Econ. Assn. Determinants of regional economic growth. Address: Federal Reserve Bank of Dallas, 400 S. Akard St., Dallas, Tex. 75202.
- WRIGHT, BARTON A., b. Bisbee, Ariz., Dec. 21, 20; m. 49; c. 2. ANTHROPOLOGY, MUSEOLOGY. B.A., Arizona, 52, M.A., 54. State archaeol. asst., Tucson Creek Indian Mound, N.C., 49-51; archaeologist, Amerind Found., Ariz., 52-55; CURATOR, MUS. NORTHERN ARIZ., 55- U.S.A., 48-45. Assn. Mus. Archaeology; geology. Publ: Upper Pima of San Cayetano del Tumacacori, Amerind Found., 56; co-auth., Throw Stone, Reilly & Lee, 60; auth., This is a Hopi Kachina, Mus. North. Ariz., 65. Address: Museum of Northern Arizona, P.O. Box 1389, Flagstaff, Ariz. 86001.
- WRIGHT, DR. CALVIN E (DWARD). Psychology. See L-Z Vol, 11th ed, Soc. & Behav. Vols. New position: Dir. eval. & res. div., proj. PLAN, 69-, American Institute for Research, Box 1113, Palo Alto, Calif. 94302.
- WRIGHT, DR. CARL S (VLYANUS). Clinical Psychology. See L-Z Vol, 11th ed, Soc. & Behav. Vols. New position: Chief psychol. serv., 69-, Veterans Administration Center, Hot Springs, S.Dak. 57747.
- WRIGHT, PROF. CHARLES R (OBERT). Sociology. See L-Z Vol, 11th ed, Soc. & Behav. Vols. New position & address: Prof., comm. & social, 69-, Annenberg School of Communications, University of Pennsylvania, Philadelphia, Pa. 19104.
- WRIGHT, DR. HOWARD OLIVER. Marine Biology, Animal Behavior. See Suppl. VI to 11th ed, Phys. & Biol. Vols.
- WRIGHT, PROF. JOHN SHERMAN, b. Casselton, N.Dak., May 2, 20; m. 55; c. 2. BUSINESS ADMINISTRATION, MARKETING. Ph.B., North Dakota, 42; fel., Southern California, 47-48; M.B.A., 49; summer, Found. Econ. Ed. fel., Kroger Co., 50; Ph.D. (mkt), Ohio State, 54. Instr. mkt., Montana, 49-51;

- asst. prof, San Diego State Col, 52-56; assoc. prof, Montana, 56-59, prof, 59-61; assoc. prof. advert, Northwestern, 61-65; prof. mkt, Illinois, Chicago Circle, 65-67; prof. bus. admin. & degn grad. sch. U.S. Int. Univ, 67-69; PROF. MKT & CHMN. DEPT, GEORGIA STATE, 69. Vis. prof, Northwestern, 60-61; summers, Am. Assn. Advert. Agencies Cent. Region fel, J. Walter Thompson Co, 61 & North Advert, Inc, 65. Found. Econ. Ed. fel, Morton Salt Co, 62, faculty res. grant-in-aid, Northwestern Univ, 63. U.S.A., 42-46, 1st Lt. Mkt. Assn; Acad. Advert. Promotion and demand stimulation; ethnic markets advertising management; advertising and society. Publ: Co-Auth, Advertising, 62 & 66 & Speaking of advertising, 63, McGraw; New ideas for successful marketing, Am. Mkt. Assn, 66. Address: Dept. of Marketing, Georgia State University, Atlanta, Ga. 30303.
- WRIGHT, DR. JOHN WILLIAM. Economics. See L-Z Vol, 11th ed, Soc. & Behav. Vols. Change of address: c/o Cosmos Club, 2121 Massachusetts Ave, N.W., Washington, D.C. 20008.
- WRIGHT, DR. LOGAN, b. Wellington, Kans, Dec. 6, 33; m. 55; c. 3. PSYCHOLOGY. A.B. Oklahoma Baptist, 56; M.A. George Peabody Col, 62, Ph.D., 64; Nat. Insts. Health fcls, N.C. Mem. Hosp, 62-64, Instr, Bethel Col, 58-61; res. asst, George Peabody Col, 61-62; instr, North Carolina, 64-64; ASST. PROF. child clin. psychol, Purdue, 64-66; PEDIAT, PSYCHIAT. & BEHAV. SCI, MED. CENTER, OKLAHOMA, 66-; DIR. PSYCHOL. SERV, CHILDREN'S MEM. HOSP, 66- Grants, Off. Ed. U.S. Dept. Health, Ed. & Welfare, U.S. Soc. & Rehab. Serv, U.S. Pub. Health Serv. & Nat. Inst. Ment. Health; Intramural grants, Univ. Oklahoma Med. Sch. Gen. Res. in Child Planning dir, Univ. Affiliated Facility Ment. Retardation, Oklahoma Health Center; mem. cent. progs. & facilities human dev. & ment. retardation, med. center, Oklahoma; mem. res. cmt, med. sch, Oklahoma. Mem. adv. bd, Casady Sch. Ment. Retardation Prog; Dale Rogers Sch. Ment. Retarded Children; New World Montessori Sch. Psychol. Assn; Soc. Res. Child Develop. Clinical child psychol; pediatric and developmental psychology. Publ: Behaviors, Pediatrics for reinstating natural breathing in tracheostomy-addicted infants, Pediat. Res. (in press); co-auth, Reminiscence in normals and defectives, Am. J. Ment. Deficiency, (in press) & Factor structure of an expanded sociometric device for measuring personal effectiveness, Ed. & Psychol. Measurement, (in press); all others. Address: Dept. of Pediatrics, Children's Memorial Hospital, 600 N.E. 13th, Oklahoma City, Okla. 73104.
- WRIGHT, DEAN MILBURN D, b. Madera, Calif, Apr. 21, 10; m. 43; c. 1. SOCIAL & BEHAVIORAL SCIENCE. A.B. Fresno State Col, 31; M.S. California, Berkeley, 36, Ed.D. (ed. admin), 47. Teaching, high sch, Calif, 32-36; Fresno Tech High Sch & Jr. Col, 36-39; from instr. to assoc. prof, MKT, SAN JOSE STATE COL, 39-49, PROF. 49-, DEAN SCH. BUS, 61-, from head to chmn. div. bus, 56-61. Consult, various indust, 40. Participant, Temple Univ. Nat. Survey Distribution Ed, 58-59; mem. West. Col. Assn. Accreditation Team. Mkt. Assn. Soc. Adv. Mgt. Nat. Bus. Ed. Assn. Marketing, especially salesmanship and sales management. Publ: Co-Auth, Salesmanship, principles and methods, Irwin, 51, rev. ed, 66. Address: Dept. of Marketing, School of Business, San Jose State College, Washington Square, San Jose, Calif. 95114.
- WRIGHT, PROF. QUINCY. International Law. See L-Z Vol, 11th ed, Soc. & Behav. Vols. Correlation Emer. prof, Virginia, 61. Address: 906 Fendall Terr, Charlottesville, Va. 22903.
- WRIGHT, DR. WILLIAM WOODRUFF, JR. Economics, Business Administration. See L-Z Vol, 11th ed, Soc. & Behav. Vols. New information: Prof, Georgia, 69- & chmn. div. econ. & bus. admin, Macon Jr. Col, 69- Address: 4955 Guerry Dr, Macon, Ga. 31204.
- WRIGHTSTONE, DR. J(AY) WAYNE. Psychology. See L-Z Vol, 11th ed, Soc. & Behav. Vols. New information: Independent ed. consult, 70- Address: 21 Hickory Rd, Summit, N.J. 07901.
- WRIGHT-VON CONRAD, GEORGIA BERNADETTE, b. Waller, Tex, Mar. 22, 25; m. 60. SPEECH PATHOLOGY, NURSING EDUCATION. B.S. Houston, 52; Stephen F. Austin State Col, 52; M.Ed. Houston, 54; M.A. Iowa, 55; M.S. Purdue, 59. Surg. asst, dept. surg, Mem. Hosp, 47-50; dir. nursing ed. Methodist Hosp, 55-56; teaching asst. clin. psychol, Purdue, 56-59; exec. asst. dir. nursing admin, St. Elizabeth Hosp, 59-65; dir. nursing ed. Bethany Hosp, 65-69; DIR. NURSING ADMIN. & ED, LUTHERAN HOSP. ST. LOUIS, 69- Speech consult, Human Res. Fund, 59-; Ambia Sch. Ex-cept. Children, 65- Nurse C, U.S.A. 44-46. AAAS; Speech & Hearing Assn; Acad. Polit. & Soc. Sci. Psychological research, especially manifest anxiety and its concomitant effect on speech; milieu factors relating to the performance of hospital personnel and especially relevant to advanced training in nursing education. Publ: Co-auth, Paired associate learning in articulation disorders, Nervous Child, 55; auth, A factorial analysis of attribution in nursing students, Nursing Sci, 56. Address: P.O. Box 22114, St. Louis, Mo. 63116.
- WU, DR. SILAS HSU-LIANG. Modern Chinese History, Government. See 5th ed, Dir. Am. Scholars, Vol. 1, Hist.
- WUNDERLICH, PROF. RICHARD (AUGUST). Psychology. See L-Z Vol, 11th ed, Soc. & Behav. Vols. New information: head, dept. psychol, Catholic Univ, 68-; consult, Prince Georges County Courts, 69- Address: Dept. of Psychology, Catholic University, Washington, D.C. 20017.
- WYAND, DR. MARTIN JUDD. Economics. See L-Z Vol, 11th ed, Soc. & Behav. Vols. New position: ASOC. prof. econ, Denver, 69- Address: 2213 S. High St, Denver, Colo. 80210.
- WYATT, DR. RICHARD J, b. Los Angeles, Calif, June 5, 39; m. 65. PSYCHIATRY, PHARMACOLOGY. B.Phil. Hopkins, 61 M.D. 64. Intern. pediat. sch. med. Western Reserve, 65; res. PSYCHIAT, Harvard, 67; CLIN. ASOC. LAB. CLIN. PSYCHOPHYSIOL. N.Y. INST. MENT. HEALTH, 67- Consult, Falls Church Sch. Syst, 68-89. U.S.P.H.S., 67-69, Lt. Comdr. Asn. Psychophysiol. Study Sleep; Psychiat. Assn. Pharmacology and physiology of sleep and psychiatric disorders. Publ: Co-auth, Longitudinal studies of the effect of monoamine oxidase inhibitors on sleep in man, Psychopharmacologia, 15: 236-244. Effects of para-chlorophenylalanine of sleep in man, Electroencephalog. Clin. Neurophysiol, 37: 529-532 & Sleep disturbance in acute schizophrenic patients, Am. J. Psychiat, 3/70. Address: National Institute of Mental Health, WAW Bldg, St. Elizabeths Hospital, Washington, D.C. 20032.
- WYKOFF, DR. FRANK C, b. Oakland, Calif, Feb. 20, 42; m. 65; c. 1. ECONOMIC. A.B. California, Berkeley, 63, M.A., 65, Ph.D. (econ), 68. Teaching asst. ECON, California, Berkeley, 64-67, instr, 67-68; ASST. PROF, POMONA COL, 68- Econ. Assn; Economet. Soc. Demand for money and consumer durables, mainly automobiles. Publ: Capital depreciation in the post war period; automobiles, Rev. Econ. & Statist, (in press). Address: 125 E. 11th St, Claremont, Calif. 91711.
- WYNAR, DEAN BOHDAN STEPHAN. Economic History, Bibliography. See 5th ed, Dir. Am. Scholars, Vol. 1, Hist.
- WYND, DR. WILLIAM RUSSELL, b. Oklahoma City, Okla, Jan. 28, 33; m. 59; c. 2. MARKETING, ECONOMICS. B.S. Oklahoma State, 56; H.E. Westervelt fel. & M.S. Auburn, 63; M.B.A. Mich. State, 67, Ph.D. (forest econ), 69. Instr. forestry, Michigan Tech, 64-65; res. asst. FOREST ECON, Mich. State, 65-67; ASSOC. PROF, MICHIGAN TECH, 67- U.S.A., 56-62, Capt. Soc. Am. Foresters; Mkt. Assn. Economics and marketing of forest products, 67; Co-auth, Executive search for the small firm, J. Small Bus. Mgt, Vol. 5, No. 1, Pulp shipper-carrier cooperation improving, The Timber Producer, 5/69 & State-sponsored market publications for the lumber and wood products industry, Northern Logger, 6/69. Address: 1113 College Ave, Houghton, Mich. 49931.
- WYNNE, DR. RONALD (DAVID). Psychology. See L-Z Vol, 11th ed, Soc. & Behav. Vols. New information: Dr. planning & eval. Vol. Info. Sci, Inc, 68- Address: 3606 Norton Place N.W., Washington, D.C. 20016.
- WYSPIANSKI, DR. JOHN O, b. Grudziadz, Poland, Feb. 15, 29; Can. citizen; m. 69. PSYCHOLOGY. B.A. Ottawa, 57, M.A., 61, Ph.D. (psychol), 63. Lectr. GUID. COUNSELING, OTTAWA, 61-63, asst. prof, 63-66, ASSOC. PROF, 66-, supvr. interns in psychol, 61-66. Consult. clin. psychologist, rehab. centre, St. Vincent Hosp, Ottawa, Ont, 63-; Nat. Defence Med. Center, 67-68; Ont. Dept. Ed, Toronto, 67-68; Annprior Sch. Bd, 68-69; rehab. inst, Royal Ottawa Hosp, 68-; res. consult, Fed. Defence Res. Bd, Toronto, 68- Am. Psychol. Assn; Am. Personnel & Guid. Assn; Can. Psychol. Assn; Interam. Soc. Psychol. Psychological correlates of central nervous system trauma; rehabilitation of patients suffering from chronic physical disorders; psychodiagnostics. Publ: Brain wave amplitude and creative thinking, Revue de l'Université d'Ottawa, 63; co-auth, Early environmental effects on rat photo evoked potentials, Revista Interamericana de Psicologia, 68 & Effect of discrimination learning on photo evoked potentials and brightness discrimination in the albino rat, Develop. Psychobiol, 69. Address: Dept. of Theoretical & Experimental Psychology, University of Ottawa, 1245 Kilborn Ave, Ottawa 8, Ont, Can.

Y

- YABLONKY, PROF. BEN L(OUIS). Journalism. See L-Z Vol, 11th ed, Soc. & Behav. Vols. Change of address: University of Michigan, 2020 Literature Science & Arts Bldg, Ann Arbor, Mich. 48104.
- YAMAHIRO, DR. ROY S(HIGEK). Physiological Psychology. See L-Z Vol, 11th ed, Soc. & Behav. Vols. New position: V-pres. & dir, staff & orgn. develop, URSYS Corp, San Mateo, 69- Address: 11 Mariposa Court, Burlingame, Calif. 94010.
- YAMAUCHI, DR. HIROSHI, b. Maui, Hawaii, Nov. 15, 32; m. 63; c. 1. AGRICULTURAL ECONOMICS. B.S. Hawaii, 51; B.S. California, Berkeley, 64, Ph.D. (agr. econ), 68. Chemist, Calif. Chem. Corp, 61-63; res. agr. economet, California, 66-68; ASST. PROF. AGR. ECON, HAWAII, 68- U.S.A., 55-58, 1st Lt. Agr. Econ. Assn. Nat. Tax Assn. Natural resource economics; groundwater quality conservation; estuarine pollution economics; state and local water institutions in Hawaii; public administration and finance. Publ: Co-auth, Estuarine pollution in Hawaii, Water Resources Res. Center, Univ. Hawaii, 70 & Alternative approaches to estimating the value of bait in Kaneohe Bay, Hawaii, Water Resources J, 70. Address: College of Tropical Agriculture, University of Hawaii, Honolulu, Hawaii 96820.
- YAN, DR. CHIOU-SHUANG J, b. Tainan, Taiwan, Oct. 7, 34; m. 60; c. 2. ECONOMICS, MATHEMATICAL ECONOMICS. B.A. Taiwan, 60; M.S. Purdue, 62, Ph.D. (econ), 66. ASST. PROF. ECON, Haverford Col, 65-67; DREXEL, 67- Summers, consult, Paulsboro Lab, Mobil Oil Corp, 64, info. specialist, 68; asst. prof. Univ. Pennsylvania, 66. Input-output; technical change; linear programming. Publ: Introduction to input-output problems, Holt, 69; co-auth, Economic interrelatedness, Rev. Econ. Studies, 10/65; auth, Technical change and investment, Krannert Grad. Sch, Purdue Univ, 3/66. Address: 6 Huron Way, Trenton, N.J. 08638.
- YANCEY, DR. WILLIAM LAYTON, b. Chipley, Fla, Aug. 6, 38; m. 61. SOCIOLOGY. B.S. Fla. State, 61; M.A. Washington (St. Louis), 63, Ph.D. (sociol), 67. ASST. PROF. SOCIOLOGY, Washington (St. Louis), 67-68; VANDERBILT, 68- U.S.A. 56-63. Sociol. Assn. Soc. Study Soc. Probs. Urban poverty; housing; race relations; stratification. Publ: Co-auth, The Moynihan report and the politics of controversy, MIT Press, 67 & Black families and the White House, Transactions, 65; auth, Intervention as a strategy of social inquiry, Soc. Sci. Quart, 69. Address: Box 1811, Station B, Vanderbilt University, Nashville, Tenn. 37208.
- YANEY, DR. JOSEPH P, b. Scranton, Pa, May 11, 39; m. 64; c. 1. MANAGEMENT SCIENCES. A.B. Michigan, 61; M.B.A. & J.D. 64, Ph.D. (bus), 69. Prof. dir, center for programmed learning for bus, Michigan, 66-68; ASST. PROF. MGT. SCI, OHIO STATE, 69- U.S.A., 64-66, Capt. Acad. Mgt; Soc.

- Training & Develop. Indust. Rel. Res. Assn. Adult learning problems as conditioned by individual and organizational differences emphasizing self-instructional systems. Publ. Co-auth. Managing the instructional program effort. Univ. Mich. 67 & Labor relations for the supervisor. Addison, 68; auth. Predicting programmer performance. Am. Soc. Training & Develop. J. 17.10. Address: 307 Hagerty Hall, Ohio State University, Columbus, Ohio 43210.
- YANG, DR. RICHARD HSU. Political Science. See 5th ed, Dir. Am. Scholars, Vol. 1, Hist.
- YARBOROUGH, PROF. KEMP P(LUMMER). Political Science, History. See L-Z Vol, 11th ed, Soc. & Behav. Vols. New position: Prof. hist. & cultural studies & chmn, 69-. Dept. of History & Government, Texas Woman's University, Denton, Tex. 76204.
- YARBROUGH, DR. MILTON THOMAS, b. Dallas, Tex. Aug. 29, 38; m. 56; c. 4. PSYCHOLOGY, RELIGION. B.A., Howard Payne Col, 62; M.Relig. Ed, Southwest Baptist Theol. Sem, 67, Ed.D.(psychol), 69; summer, Texas Christian, 68. Mission pastor, Baptist Church, Brady, Tex. 60-63; asst. dir. marriage & family counseling center, Southwest Baptist Theol. Sem, 63-68; dir. North Dallas Counseling Center, 68-69; COUNSR. & LECTR. PSYCHOL., OKLAHOMA BAPTIST, 69-. Pastor, First Baptist Church, Krum, Tex. 63-68; dir. counseling, Calvary Baptist Center, Garland, 69. Mem. north regional Okla. Gov. Youth Coun, 69-. Nat. Coun. Family Res. Group dynamics in industrial counseling of college youth on a privately owned college campus; programmed instruction materials for counseling purposes. Publ. Co-auth. Management action program, Independent Ad, 68; auth. Historical development. In: Developmental psychology, Broadman, 70. Address: Box 817, Oklahoma Baptist University, Shawnee, Okla. 74801.
- YARCOWER, PROF. MATTHEW. Experimental & Comparative Psychology. See L-Z Vol, 11th ed, Soc. & Behav. Vols. New position & address: Assoc. prof., 68-. Dept. of Psychology, Bryn Mawr College, Dalton Hall, Bryn Mawr, Pa. 19010.
- YARWOOD, DR. DEAN L, b. Decorah, Iowa, Mar. 17, 35; m. 56; c. 5. POLITICAL SCIENCE. B.A. Iowa, 57; M.A., Cornell, 61; Ph.D.(polit. sci.), Illinois, 66. Teacher, Mid-Prairie Community Sch, 57-59; asst. prof. POLIT. SCI., Coe Col., 63-66; Kentucky, 66; MISSOURI-COLUMBIA, 67-70, ASSOC. PROF., 70-, summer faculty fel, 70. Polit. Sci. Assn. Public administration; American politics. Publ. Legislative persistence: a comparison of the United States Senate in 1850 and 1860, Midwest J. Polit. Sci., 11: 193-211 & Norm observance and legislative integration: the U.S. Senate in 1850 and 1860, Soc. Sci. Quart., 6/70; A failure of coalition maintenance: the defection of the South prior to the Civil War, In: The study of coalition behavior: theoretical perspectives and cases from four continents, Holt, 70. Address: Dept. of Political Science, University of Missouri-Columbia, Columbia, Mo. 65201.
- YATES, DR. LOUISE G, b. Ft. Worth, Tex. July 20, 23; div. PSYCHOLOGY. B.A., Texas Christian, 57, M.A., 60; Ph.D.(psychol.), North Carolina, Chapel Hill, 67. Asst. prof. psychol., Texas Christian, 65-67; RES. PSYCHOLOGIST, U.S. ARMY BEHAV. SCI. RES. LAB, 67-. Psychol. Assn; Soc. Psychol. Study Social Issues. Personnel measurement and evaluation; psychometrics; clinical psychology. Address: 437 Second St. S.E., Washington, D.C. 20003.
- YAVITZ, PROF. BORIS, b. Tiflis, Russia, June 4, 23; U.S. citizen; m. 48; c. 3. MANAGEMENT, ORGANIZATIONAL BEHAVIOR. B.A., Cambridge, 43, M.A., 45; M.S., Columbia, 48, Ford Found. fel., 62-64, Ph.D.(bus), 64. Consult. econ. develop., Jewish Agency for Palestine, 48-49; chief mgt. consult. Werner Mgt. Consults., 49-56; exec. v-pres, Simbar Develop. Corp., 56-63; assoc. prof. BUS. MGT. GRAD. SCH. BUS. COLUMBIA, 64-69, PROF., 69-. Proj. dir. & staff mem., Conserv. Human Resources Inst., Columbia, 65-; distinguished lect. mgt. develop. proj. Univ. Houston, 68-69. Consult. New York City Planning Cmn, 66. Soc. Mech. Eng. Inst. Mgt. Sci. The management of complex organizations, especially the impacts of computers, automation and quantitative techniques on organization structure and the functions of the manager. Publ. Collab. The managerial mind, Irwin, 64; auth. Automation in commercial banking—its process and impact, Free Press, 67; Electronic data processing: lessons for metropolitan economics, Columbia, 67. Address: Dept. of Management, Columbia University Graduate School of Business, New York, N.Y. 10027.
- YEAGER, JOHN G(ORGE). Criminology, Social Psychology. See L-Z Vol, 11th ed, Soc. & Behav. Vols. New position: Dir. bureau criminal justice statist., Pa. Dept. Justice, 68-. Address: Box 200, Camp Hill, Pa. 17011.
- YEAGER, PROF. LELAND B(ENNETT). Economics. See L-Z Vol, 11th ed, Soc. & Behav. Vols. New position: Paul Goodloe McIntire prof. econ, 69-. Dept. of Economics, University of Virginia, Rouss Hall, Charlottesville, Va. 22901.
- YEAGER, DR. RODGER D(EAN), b. Pittsburgh, Pa. Oct. 18, 39; m. 69. POLITICAL SCIENCE & SOCIOLOGY. A.B., Pittsburgh, 61, Nat. Defense Ed. Act & Ford Found. fcls, Syracuse, 66-68, Ph.D.(polit. sci.), 68. Consult. Govt. Tanzania, East Africa, 64-66; ASST. PROF. POLIT. SCI., WEST VIRGINIA, 67-. CHM. AFRICAN STUDIES, 68-. West Virginia Univ. faculty res. grant, 69- & field res. grant for Africa, 70-71; U.S. Off. ed. grant for East Africa, 70. Polit. Sci. Assn; fel. African Studies Assn. Micropolitical institutionalization and decision-making theory; comparative micropolitical process; rapid behavioral change theory; African political process. Publ. Micropolitics and transformation: theoretical notes from the Tanzania experience, Syracuse Univ. Occasional Papers, 67, Micropolitics in rural Africa, Can. J. African Studies, winter 69 & Micropolitics, macropolitics and development: notes for an Africa-Appalachia comparison, Proc. W.Va. Polit. Sci. Assn, 70. Address: Dept. of Political Science, West Virginia University, Morgantown, W.Va. 26506.
- YEATES, PROF. MAURICE HENRY. Geography. See L-Z Vol, 11th ed, Soc. & Behav. Vols. New position: Prof., 70-. Dept. of Geography, Queen's University, Kingston, Ont. Can.
- YETT, DR. DONALD, b. Long Beach, Calif., Jan. 30, 31; m. c. 2. ECONOMICS. A.B. California, Berkeley, 52, Ph.D.(econ), 68. Instr. econ. & res. assoc., Ohio State, 58-61; instr. econ. & res. proj. dir., Washington (St. Louis), 61-65; lectr. bus. econ. & quant. anal., SOUTHERN CALIFORNIA, 65-66, asst. prof. bus. econ. & finance, 66-69, ASSOC. PROF. BUS. ECON., 69-. DIR. HUMAN RESOURCES RES. CENTER, 66. Lectr. & asst. res. economist, California, Los Angeles, 65-66. Consult. Med. Econ. Inc., 66-; St. Louis County Health Dept., 70-; sch. med. Univ. South. Calif., 70-. Mem. of prog. rev. cmt. for Nurse Training Act of 1964, U.S. Dept. Health, Educ. & Welfare, 67; res. nursing patient care grant appl. rev. cmt. Bur. Health Manpower, U.S. Pub. Health Serv., 67-70; ad hoc cmt. U.S. Pub. Health Serv. Community Profile Data Center, 68-. Econ. Assn; Health Econ. Res. Assn. Economic studies relating to human capital. Publ. The supply of nurses: an economist's view, Hosp. Progress, 2/65; co-auth. Methods of estimating occupational attrition, West. Econ. J., 9/68; auth. Lifetime earnings for nurses in comparison with college-trained women, Inquiry, 12/68. Address: Human Resources Research Center, Research Institute for Business & Economics, Graduate School of Business Administration, University of Southern California, University Park, Los Angeles, Calif. 90007.
- YOKSIMOVICH, DR. ILIJA M, b. Pavino-Pole, Yugoslavia, Dec. 23, 14; U.S. citizen; m. 50; c. 2. POLITICAL SCIENCE. B.L.L. Belgrade, 39; M.A. & D.L.L. Paris, 51; M.A., Southern California, 63. Asst. to prof. int. law, Paris, 50-51; instr. French & Russian hist., Webb Sch., Tenn, 63-66; ASSOC. PROF. POLIT. SCI., SHAW, 66-. Modern Lang. Assn; Am. Acad. Polit. & Soc. Sci.; Assn. Adv. Slavic Studies; French Soc. Comp. Legis. Publ. Propaganda, Sloga Yearbook, Perth, Australia, 53; Yugoslavia, 53; Yugoslav intellectual rebels, Yugoslav Rev., London, 12/68. Address: 220 E. Drewry Lane, Drewry Hills, Raleigh, N.C. 27609.
- YOLANDE, SISTER M, O.S.F. Economics, Political Science. See SCHULTE, SISTER M. YOLANDE, O.S.F., this Suppl.
- YOON, DR. B. MAN, b. Seoul, Korea, Sept. 22, 33. MANAGEMENT, PUBLIC ADMINISTRATION. A.B., Monmouth Col., 58; M.P.A., N.Y. Univ., 60, Ph.D. (mgt), 64. Instr. pub. admin. Mich. State, 62-63; ASST. PROF. MGT., Notre Dame, 63-68; FORDHAM, 68-. Found. Econ. Ed. faculty fel., 68; vis. lectr., Teachers Col., Columbia, 69-. Consult. Velasco Chem. Corp., Northwest Indust., 68. Acad. Mgt. Soc. Int. Develop. Soc. Pub. Admin. Human relations and organizational behavior; managerial psychology; public relations; communications; international and comparative management; planning theory; personnel administration; application of administrative and organization theories. Publ. Administration in large scale nonbusiness enterprises, Univ. Notre Dame, 66; Management discipline in a school of administration, 9/68 & A theoretical model of organizational dysfunctions, 9/68, Acad. Mgt. J. Address: College of Business Administration, Box 777, Fordham University, Bronx, N.Y. 10458.
- YOON, DR. TAE-HEE, b. Kyungnam, Korea, Oct. 13, 35. AGRICULTURAL ECONOMICS. Ph.D., Dong-Kook, 59; M.A., Seoul, 63; Fulbright grant, Connecticut, 64, L.L.B. (agr. econ), 67. Prof. officer, U.S. Agency for Int. Develop. Mission to Korea, 59-62; sr. economist, UN Korean Uplands Proj., 62-64; asst. agr. econ., Connecticut, 64-67; asst. prof. econ., Nichols Col., 67-68; Lakehead, 68-69; sr. economist, Can. Dept. Manpower & Immigration, 69-70; Dom. Bur. Statist., 70; AGR. ECONOMIST, THE WORLD BANK, 70-. Gen. Elec. Found. grant, 68. Am. Econ. Assn; Am. Agr. Econ. Assn; Can. Econ. Assn. Benefit-cost analysis; economics development and trade. Address: Agriculture Projects Dept., The World Bank, 1818 H St. N.W., Washington, D.C. 20433.
- YORGASON, DR. VERNON W(AYNE), b. Claresholm, Alta, June 27, 39; m. 62; c. 3. ECONOMICS, STATISTICS. B.S., Toronto, 62; M.S., Kansas State, 67, Ph.D.(econ), 70. Instr. econ. & mkt., Toronto, 62; economist, commodity anal. sect. econ. bur. Can. Dept. Agr., 62-65, mkt. reporting coordinator, mkt. info. sect. prod. & mkt. bur., 65-66; ASST. PROF. ECON. & STATIST., KANS. STATE COL., PITTSBURG, 68-. Consult. Agr. Econ. Res. Coun. Can., 69. Econ. Assn; Can. Agr. Econ. Soc. Application of economic theory and econometric techniques to the solution of problems in the spheres of agriculture, economic development and international trade, especially agriculture in economic development. Publ. Demand and supply in the Canadian feed-livestock economy, 69, The Canadian livestock-red meat economy, 70 & Agriculture in Canadian economic development, (in prep), Agr. Econ. Res. Coun. Can. Address: Dept. of Economics, Kansas State College of Pittsburg, Pittsburg, Kans. 66762.
- YOSHIMASHI, PROF. TAKEHIKO. International Relations. See L-Z Vol, 11th ed, Soc. & Behav. Vols. New publ. Contrib. National security strategy for the seventies, Prentice-Hall, 70. Address: School of International Studies, American University, Washington, D.C. 20016.
- YOST, EARL K(NISELY), JR. Mathematical Statistics. See L-Z Vol, 11th ed, Soc. & Behav. Vols. New position: Chief stat. math. & statist. interstate commerce cmm, 69-. Address: 123 Hillboro Dr., Wheaton, Md. 20902.
- YOUNG, ARTHUR F(RANKLIN), b. New York, N.Y., Sept. 26, 25; m. 50; c. 6. STATISTICS. A.B., Cornell, 50, North Carolina, Chapel Hill, 50-52. Regional dir., U.S. BUR. CENSUS, N.Y., 58-61, CHIEF STATIST. DIV. D.C., 62-64. Staff asst. cens. & gov. statist. post. off. & civil serv., U.S. House Rep., 61; statist. consult., Kerner Cmn. on Civil Disorders, 67; Banco Nacional Ahorro Prestamo, Caracas, Venezuela, 69. U.S.A.A.F., 45-47, S/Stat. Statist. Assn; Soc. Planning Off. Research methodology in housing and urban problems. Address: Housing Division, U.S. Bureau of the Census, Suitland, Md. 20233.
- YOUNG, DR. CHARLES E(DDWARD). Political Science. See L-Z Vol, 11th ed, Soc. & Behav. Vols. New position: Chancellor, 68-. University of California, Los Angeles, Calif. 90024.
- YOUNG, DR. DALLAS M. Economics. See L-Z Vol, 11th ed, Soc. & Behav. Vols. New position: Prof. labor rels., 70-. Dept. of Organizational & Administration School of Management, Case Western Reserve University, 332 Baker Bldg., Cleveland, Ohio 44106.

- YOUNG, DR. DONALD (RAMSEY). Sociology. See L-Z Vol. 11th ed, Soc. & Behav. Vols. New information: Retired, 69. Address: R.D. 1, Macungie, Pa. 18062.
- YOUNG, PROF. FLORENE (MARY). Psychology. See L-Z Vol. 11th ed, Soc. & Behav. Vols. New information: Emer. prof. psychol. Georgia, 69-Address: 608 Citizen's Southern Bank Bldg, Athens, Ga. 30601.
- YOUNG, DR. H(UGH) EDWIN. Economics. See L-Z Vol. 11th ed, Soc. & Behav. Vols. New position & address: Prof. econ. & chancellor, 68-, University of Wisconsin, Madison, Wis. 53706.
- YOUNG, DR. JAMES ELMER. Economics, Industrial Relations. See 11th ed, Soc. & Behav. Vols., deceased 69.
- YOUNG, PROF. JOHN H. Economics. See L-Z Vol. 11th ed, Soc. & Behav. Vols. New position & address: Chmn., 69-, Prices & Incomes Commission, Trebla Bldg, 473 Albert St, Ottawa, Ont, Can.
- YOUNG, DR. JOSEPH L (ESLIE), b. Chicago, Ill, July 26, 40; m. 64; c. 2. MATHEMATICAL PSYCHOLOGY. B.A. Yale, 62, Nat. Defense Ed. Act fel, Stanford, 62-65, Nat. Inst. Ment. Health fel, 65-66, Ph.D.(psychol.), 66. Summers, intern psychol. Syst. Develop. Corp, 62, assoc. mem. tech. staff, Bell Tel. Labs, 63; ASST. PROF. PSYCHOL, STATE UNIV. N.Y. STONY BROOK, 66- Nat. Inst. Ment. Health grant, 68-71; summer, State Univ. N.Y. Res. Found. grant, 67. AAAS; Psychol. Assn. Experimental psychology, learning: verbal learning; paired-associate learning; memory. Publ: Effects of intervals between reinforcements in paired-associate learning. J. Math. Psychol. 2/71. Address: Dept. of Psychology, State University of New York at Stony Brook, Stony Brook, N.Y. 11790.
- YOUNG, DR. NORMAN. Psychology. See L-Z Vol. 11th ed, Soc. & Behav. Vols. New position: Pres., 69-, ITT Levitt Development Corp, 1345 Avenue of the Americas, New York, N.Y. 10019.
- YOUNG, PROF. PAUL C. (AMPBELL). Psychology. See L-Z Vol. 11th ed, Soc. & Behav. Vols. New information: Resigned Northern Michigan, 69; emer. prof., La. State, 60-. Address: 477 E. Riverrocks Dr, Baton Rouge, La. 70815.
- YOUNG, DR. PHILLIP D, b. Ottawa, Ill, Oct. 18, 36; m. c. 5. CULTURAL ANTHROPOLOGY. B.A. Illinois, Urbana, 61, Nat. Insts. Health fel, 61-66, Ph.D.(anthrop), 66; summer, fel. Oregon, 67. ASST. PROF. ANTHROP, OREGON, 66-. Dir. Washington State-Oregon Field Sch. Anthropol. & Ling, Mex, summer 69. U.S.A. 55-58, Res. Anthropol. Assn; Soc. Ethnohist. Archaeology; social anthropology; linguistics; Latin America; ethnohistory of Central America; revitalization movements; colonization. (Publ: Co-auth. Colonization as a research frontier: the Ecuadorian case, In: Process and pattern in culture, Aldine, 64; auth. A structural model of Ngabwe marriage, Ethnology, 70. Address: Dept. of Anthropology, University of Oregon, Eugene, Ore. 97403.
- YOUNG, DR. RAYMOND (WARREN). Political Science. See L-Z Vol. 11th ed, Soc. & Behav. Vols. New position: ASST. U.S. attorney & chief civil div, Dept. of Justice, 70-. Address: 6117 Newkirk Ave, North Bergen, N.J. 07047.
- YOUNG, PROF. RICHARD D (ONALD). Economics. See L-Z Vol. 11th ed, Soc. & Behav. Vols. New position: Prof. econ. & math. sci., 69-, Dept. of Economics, Rice University, Houston, Tex. 77001.
- YOUNG, DR. RICHARD K. Religion, Pastoral Psychology. See 5th ed, Dir. Am. Scholars, Vol. IV, Philos, Relig. & Law.
- YOUNG, DR. ROBERT A (LTON). Agricultural Economics. See L-Z Vol. 11th ed, Soc. & Behav. Vols. New position: Res. assoc, 69-, Resources for the Future, Inc, 1755 Massachusetts Ave, Washington, D.C. 20036.
- YOUNG, PROF. ROBERT F. Rhetoric, Interpretation. See 5th ed, Dir. Am. Scholars, Vol. II, Eng, Speech & Drama.
- YOUNG, DR. WILLIAM HARVEY. Economics. See L-Z Vol. 11th ed, Soc. & Behav. Vols. New information: Retired, 69. Address: 2817 31st St. N.W., Washington, D.C. 20006.
- YOUNG, PROF. WILLIAM (HENRY). Political Science. See L-Z Vol. 11th ed, Soc. & Behav. Vols. New information: Also chmn, 67-, Center for Development, University of Wisconsin, Room 322 North Hall, Madison, Wis. 53706.
- YOUNGLING, DR. EDWARD WILLIAM, b. New York, N.Y. Jan. 13, 36; m. 58; c. 3. EXPERIMENTAL & ENGINEERING PSYCHOLOGY. B.A. Massachusetts, 60, M.S., 62, Ph.D.(exp. psychol.), 65. Res. asst. environ. stress human & animal performance, Inst. Environ. Psychophysiol, Univ. Massachusetts, Amherst, 59-62; res. psychologist, Natick Labs, U.S. Army, Mass, 62-65; STAFF ENG. PSYCHOLOGIST, McDONNELL DOUGLAS CORP, ST. LOUIS, MO, 65-. Lectr., Northeastern Univ., 64-65; Univ. Missouri, St. Louis, 66-67; Washington Univ., 66-. U.S.A. 54-58. Psychol. Assn; Human Factors Soc. Animals and humans in psychophysiological effects of stressful environments and its implications to motivational theory and applied military problems; experimental and engineering psychology, especially simulations within astronautics and aeronautics. Publ: The effects of ambient temperature and sleep deprivation upon performance in concurrent central and peripheral tasks, Univ. Mass, 65; co-auth. Acclimatization, habituation, motivation and cold exposure, J. Comp. Psychol. & Physiol, 6/62 & High fidelity simulations in the evaluation of environmental stress: acute CO₂ exposure, Ann. Aerospace Med. Assn. Meeting, 5/69. Address: 14846 Phelps Dr, Bridgeton, Mo. 63044.
- YOUNGS, DR. EDWARD ARTHUR, b. New York, N.Y. Mar. 7, 42; m. 64. PSYCHOLOGY, HUMAN FACTORS. B.A. Dartmouth Col, 64; M.A. North Carolina, Chapel Hill, 68, Ph.D.(psychol. & info. sci), 69. Res. asst. advert. res., E.I. du Pont de Nemours & Co, summer 68; MEM. TECH. STAFF, BELL TEL. LABS, 69-. Psychomet. Soc; Asn. Comput. Mach. Quantitative psychology and psychological measurement; scaling; statistics; computational linguistics; human factors in compiler-languages. Address: Bell Telephone Labs, Holmdel, N.J. 07733.
- YOUNGS, PROF. G. RODERICK, b. Grand Haven, Mich, Jan. 6, 11; m. 36; c. 1. PSYCHOLOGY. A.B., Calvin Col, 32, Th.B., 35; M.A., Mich. State, 40; George Williams Col, 40-41; Chicago, 41; Ed.D.(counseling), Loyola, 61. Minister, Lansing Christian Reformed Church, 35-40; counselor, Chicago YMCA, 41-49; Chicago Christian High Sch, 49-53; prin., Timothy Christian High Sch, 53-65; PROF. ED. CALVIN COL, 65-66, PSYCHOL, 66- Co-ordinator student counseling, 69-. Consult, Tri-city Med. Center, 60-65; Calvin Psychol. Inst, 65- Marriage counseling; psychological theory; psychopathology; psychotherapy. Address: Dept. of Psychology, Calvin College, Grand Rapids, Mich. 49506.
- YOURMAN, DR. JULIUS. Psychology, Sociology. See 11th ed, Soc. & Behav. Vols., deceased 69.

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- ZABARENKO, DR. LUCY MILDRED. Physiological Psychology. See 12th ed, Phys. & Biol. Vols.
- ZAFFIRO, DR. WILLIAM R, b. Olyphant, Pa, Feb. 20, 36; m. 66; c. 4. PSYCHOLOGY. B.A. Duke, 58; B.Th., Yankton Col, 62; M.S., MacMurray Col, 62; Ph.D.(psychol.), Southern Mississippi, 69. ASSOC. PROF. PSYCHOL, STATE COL. ARK, 65-. Dir. Ed. Exam. Inst., summer 67. Serial learning. Address: Box E, Dept. of Psychology, State College of Arkansas, Conway, Ark. 72032.
- ZALTMAN, DR. GERALD, b. Boston, Mass, July 9, 38; m. 68. SOCIOLOGY. A.B. Bates Col, 60; M.B.A. Chicago, 62; Ph.D.(sociol.), Hopkins, 68. ASST. PROF. BEHAV. SCI., NORTHWESTERN, 68-. Sociol. Assn; Mkt. Assn. Social change; diffusion of innovations; sociology of science; consumer behavior. Publ: Marketing contributions from the behavioral sciences, Harcourt, 65. Address: Dept. of Marketing, Northwestern University, Evanston, Ill. 60201.
- ZANER, DR. RICHARD (MORRIS). Philosophy. See 5th ed, Dir. Am. Scholars, Vol. IV, Philos, Relig. & Law.
- ZANER, PROF. THEODORE, b. New York, N.Y. Aug. 22, 18; m. 47; c. 1. INDUSTRIAL RELATIONS, MANAGEMENT. B.S. City Col. New York, 40; Polytech. Inst. Brooklyn, 40-46; M.A. Columbia, 49, Ed.D.(mgt. develop), 55. Apprentice sheetmetal worker, U.S. Dept. Navy, 39-42, mechanic, 42, instr. 42-45, sr. training superv. indust. training, 45-49, training sup., 49-56, dept. instr. rels. officer, N.Y. Shipyard, 56-60, dir. indust. rels. & pub. info. officer, 60-65; PROF. INSTRU. RELS., NEWARK COL. ENG., 65-. Sr. instr., evening sch., Pratt Inst, 55-59, chmn. dept. mgt. tech., 59-60; instr., sch. eng. & gen. studies, Columbia, 56-57, lectr. & instr., teachers col, 58-68; lectr. grad. sch. pub. admin. N.Y. Univ., 56-59. Consult, N.Y. State Fecl. Dist. Bds. Ed, 65; p. Fedin. Protestant Welfare Agencies, New York, N.Y., 67; Day Care Coun. N.Y., 69. U.S.A. 46-47. Soc. Training & Develop; Indust. Rel. Res. Assn; Asn. Higher Ed. Management development, action research and use of programed instruction; social research in education and welfare. Publ: Programmed instruction and its use in the public service, Pub. Personnel Rev, 4/68; Research frontiers for management training, Training & Develop. J, 6/67; Teacher militancy: a case study of contrasting view points, Columbia Univ. Teachers Col. Record, 1/69. Address: Dept. of Organizational & Social Sciences, Newark College of Engineering, Newark, N.J. 07102.
- ZAREFSKY, JOSEPH L (EON). Sociology. See L-Z Vol. 11th ed, Soc. & Behav. Vols. New information: Assoc. dir. res. Health & Welfare Coun, St. Louis, 69; assoc. prof. George Warren Brown Sch. Soc. Work, Washington (St. Louis), 69-. Address: Health & Welfare Council of Metropolitan St. Louis, 915 Olive St, St. Louis, Mo. 63101.
- ZARETSKY, DR. HERBERT H. Psychology. See L-Z Vol. 11th ed, Soc. & Behav. Vols. Change of address: 17 Farragut Rd, Old Bethpage, N.Y. 11804.
- ZAUDERER, DR. EVA J, b. Toledo, Mo, Apr. 9, 34; m. 56; c. 2. COUNSELING PSYCHOLOGY. B.S. Ohio State, 56, M.A., 61, Ph.D.(psychol), 67. Teacher, Whitehall City Schs, 57-63; instr. psychol. capital Univ, 67-68; ASST. PROF. INSTRU. RELS. & SOCIOL., RIVERDALE SCH., RIVERDALE, N.Y., 68- NORTHEN, 69-. Psychologist, Columbus State Inst., 69-. Psychol. Assn. Vocational theory, counseling relationship; selection procedures; risk taking behavior. Address: 5880 Effingham Rd, Columbus, Ohio 43213.
- ZAVALA, DR. ALBERT, b. Chicago, Ill, Mar. 10, 30; m. 58; c. 4. PSYCHOLOGY. B.A., Willamette, 59; M.A., Mich. State, 60; Greater Kansas City Ment. Health Found. fel, Kansas State, 62, Jack Dunlap fel, 64, Ph.D.(psychol.), 66. Asst. dir. skills res. Am. Insts. Res. Behav. Sci., 64-67; HEAD LIFE SCI, AERONAUT. LAB, CORNELL, 67- Ad. prof, State Univ. N.Y. Buffalo, 69; mem. adm. cmt. road user characteristics, Hwy. Res. Bd., Nat. Acad. Sci., Nat. Res. Coun., 69-. U.S.A. 55-57. AAAS; Psychol. Assn; Human Factors Soc; Interam. Soc. Psychol; Inst. Aeronaut. & Astronaut. Multivariate analysis; performance assessment; systems evaluation; human sensory perception; law enforcement and criminal justice. Publ: Co-auth. Neurochemistry and learning, 61; 45-62 & auth. Development of forced-choice rating scale techniques, 63; 117-124, Psychol. Bull; co-auth. Component-total task relationships: simple and sequential practice, Human Factors, 10: 333-343. Address: 29 Bennington Rd, Buffalo, N.Y. 14226.
- ZAVOS, DR. HARRY N. Speech. See 5th ed, Dir. Am. Scholars, Vol. II, Eng, Speech & Drama.
- ZAYNOR, PROF. WESLEY C (ARL), b. New Castle, Pa, June 16, 27; m. 55; c. 3. PSYCHOLOGY. B.A., Kent State, 51, M.A., 52; Ph.D.(psychol.), Colo-

- rado, 57. Res. assoc. HumRRO, George Washington Univ, 56-58; fact finding consult, Hawaii Tuberc. Assn, 58-60; PROF. PSYCHOL, KENT STATE, 60- U.S.M.C., 45-46, AAAS; Psychol. Assn; Animal Behav. Soc. Verbal behavior of the Mynah bird: role of reinforcement in learning; history of scientific psychology. Publ. Co-auth. Verbal behavior and the Mynah bird. In: Research in verbal behavior, Acad. Press, 67; Reinforcement control of autistic verbalization in the Mynah bird. J. Psychonomic Sci, 68. Address: Dept. of Psychology, Kent State University, Kent, Ohio 44240.
- ZEDLER, PROF. EMPRESS YOUNG. Psychology, Speech Pathology. See L-Z Vol, 11th ed, Soc. & Behav. Vols. Change of address: Dept. of Special Education, Southwest Texas State University, San Marcos, Tex. 78666.
- ZEIDENFELT, DR. A(LEX) P(AUL). Political Science. See L-Z Vol, 11th ed, Soc. & Behav. Vols. New position: Admin. supvr, N.Y. Founding Hosp, 69-. Address: 345 Webster Ave, Brooklyn, N.Y. 11230.
- ZEILER, DR. MICHAEL DONALD. Psychology. See L-Z Vol, 11th ed, Soc. & Behav. Vols. New position & address: Assoc. prof, 69-, Dept. of Psychology, Emory University, Atlanta, Ga. 30322.
- ZEIS, SISTER RITA, S.S.N.D., b. St. Louis, Mo, Aug. 18, 26. CLINICAL & EXPERIMENTAL PSYCHOLOGY. B.S., Webster Col, 53; Ed.M., St. Louis, 57; Nat. Inst. Ment. Health fel, Catholic Univ, 63, Ph.D. (clin. psychol), 64. Teacher parochial schs, 46-60; intern clin. psychol. St. Elizabeths Hosp, Wash, 62-63; INSTR. ED. & PSYCHOLOGIST, NOTRE DAME COL (MO), 64-. Psychology, traveling workshops on race rels, Nat. Cath. Conf. for Interracial Justice, 64-66. Psychol. Assn. Learning; personality and prejudice; psychological testing and therapy. Publ: Forming a Christian social conscience. In: Split-level lives, Divine Word. Address: 320 E. Ripa Ave, St. Louis, Mo. 63125.
- ZELAN, DR. JOSEPH. Sociology. See L-Z Vol, 11th ed, Soc. & Behav. Vols. New information: Assoc. res. sociologist, surv. res. center, 70-. Address: Dept. of Sociology, University of California, Davis, Calif. 95616.
- ZELLWEGER, DR. SHEA. Psychology. See L-Z Vol, 11th ed, Soc. & Behav. Vols. New position: Assoc. prof. & clin. Moun Union Col, 69-. Address: 1483 Robinwood Rd, Alliance, Ohio 44601.
- ZEMACH, DR. RITA. Systems Science, Statistics. See Suppl. VI to 11th ed, Phys. & Biol. Vols.
- ZEMAITIS, ALGIRDAS JONAS ALEXIS. Political Economics. See L-Z Vol, 11th ed, Soc. & Behav. Vols. Change of address: Marketing Branch, Rural Institutions Division, Food & Agriculture Organization of the United Nations, Via delle Terme di Caracalla, Rome 00100, Italy.
- ZENHAUSEN, DR. ROBERT JOSEPH, b. New York, N.Y., Oct. 4, 38; m. 63; c. 2. PSYCHOLOGY. B.S., Fordham, 60, M.A., 63, Ph.D. (psychol), 69. Lectr. PSYCHOL, Fairleigh Dickinson, 62-63; instr. ST. JOHN'S (N.Y.), 63-66, asst. prof, 66-69, ASSOC. PROF., 69-. Lectr., Hunter Col, 62-63. AAAS; Psychol. Assn. Sensation, especially sensory interaction; perception, particularly visual illusions; psychophysics, especially emotional changes. Publ. Co-auth. Application of signal detection theory to subliminal and supraliminal accessory stimulation, 28; 699-704, auth. Effects of perspective on two trapezoid illusions, 28; 1003-1009 & co-auth. Perception of mechanical causality, 30; 63-70, Perceptual & Motor Skills. Address: Dept. of Psychology, St. John's University, Jamaica, N.Y. 11432.
- ZENZ, DR. CARL. Industrial Medicine. See Suppl. V to 11th ed, Phys. & Biol. Vols.
- ZERFAS, DR. PHILIP GEORGE, b. Lake Odessa, Mich., Nov. 23, 35; m. 61; c. 3. CLINICAL PSYCHOLOGY, NEUROPSYCHOLOGY. A.B., Sacred Heart Sem, 57; M.A., Detroit, 60; Ph.D. (clin. psychol), Indiana, 65. Intern clin. psychol, Vet. Admin. Hosp. & Ment. Hyg. Clin., Indianapolis, ind, 62-64; NEUROPSYCHOLOGIST, MARSHFIELD CLIN, 64-. Fel, sch. med, Wisconsin, 64-66, clin. instr., dept. neurol, 64-. Consult, Winnebago Children's Home, Neillsville, Wis, 69-. Psychol. Assn; Int. Neuropsychol. Soc. Learning disabilities; behavior modification; effects of neurologic diseases and conditions; psychological measurement. Publ. Co-auth. The relationship of lateralized finger localization to Wechsler-Bellevue results, Am. J. Ment. Deficiency, 66; auth. Reading disabilities in bright children, Sci. Rev., 69. Address: Marshfield Clinic, Marshfield, Wis. 54449.
- ZERN, DR. DAVID SIMON, b. New York, N.Y., June 24, 41; m. 63; c. 1. DEVELOPMENTAL PSYCHOLOGY. B.A., Harvard, 62, Ed.M., 64, U.S. Pub. Health Serv. traineeship, 64-67, Ph.D. (soc. psychol), 69. Res. assoc. cognitive process res, McLean Hosp, 67-68; instr. PSYCHOL, VASSAR COL, 68-69, ASST. PROF., 69-. Mem. summer sch. faculty, Clark Univ, 69. Psychoanalytic theory of development; cognitive development; cross-cultural research; value orientations. Publ. Freud's considerations of the mental processes: an attempt at a unifying treatment, J. Am. Psychoanal. Assn, 7/68; Some trends in the development of concrete reasoning in children: a note to Jan Smedslund's Concrete reasoning: a study in intellectual development, J. Genetic Psychol, 9/69; The influence of certain child rearing factors upon the development of a structured and salient sense of time, Genetic Psychol. Monogr, 5/70. Address: Dept. of Psychology, Vassar College, Poughkeepsie, N.Y. 12601.
- ZERZAVY, DR. FREDERICK M. Obstetrics & Gynecology, Public Health Administration. See Suppl. VI to 11th ed, Phys. & Biol. Vols.
- ZIDE, DR. NORMAN H. Linguistics, Indology. See 5th ed, Dir. Am. Scholars, Vol. III, For. Lang. & Philol.
- ZIDNAN, PROF. PETE. Business Administration, Human Relations. See L-Z Vol, 11th ed, Soc. & Behav. Vols. New information: Also chmn, 68-, Manpower Administration Dept, School of Business, San Jose State College, San Jose, Calif. 95114.
- ZIEGENHAGEN, DR. EDUARD A. Political Science. See L-Z Vol, 11th ed, Soc. & Behav. Vols. New position & address: Asst. prof, 69-, Dept. of Political Science, State University of New York, Binghamton, N.Y. 13901.
- ZIELONKA, DR. WILLIAM A. Psychology. See L-Z Vol, 11th ed, Soc. & Behav. Vols. New information: Human rels. consult, Cedars-Sinai Hosp, Los Angeles. Address: 1314 Westwood Blvd, Los Angeles, Calif. 90024.
- ZIGLER, DR. EDWARD F(RANK). Developmental Psychology. See L-Z Vol, 11th ed, Soc. & Behav. Vols. New position & address: Dir, 70-, Office of Child Development, U.S. Department of Health Education & Welfare, 400 Maryland Ave. S.W., Washington, D.C. 20203.
- ZIHLMAN, DR. ADRIENNE L. Physical Anthropology. See 12th ed, Phys. & Biol. Vols.
- ZIJDERVELD, DR. ANTON C. b. Malang, Indonesia, Nov. 21, 37; m. 67; c. 2. SOCIOLOGY, RELIGION. ST.M., Utrecht, 63; ST.M., Hartford Sem. Found, 64; Ph.D. (sociol), Leiden, 66. Asst. prof. social, Wagner Col, 66-68; SIR GEORGE WILLIAMS, 68-70, ASSOC. PROF. SOCIOL. & RELIG, 70-. Sociological theory, social philosophy and ethics. Publ: Institutionalising, Paul Brand, Hilland, 66; The abstract society, Doubleday, 70. Address: Dept. of Sociology, Sir George Williams University, Montreal, Que. Can.
- ZIMMERMAN, DR. ROGER SHEPARD. Physiological Psychology. See Suppl. VI to 11th ed, Phys. & Biol. Vols.
- ZIMMERMAN, DR. THOMAS FLETCHER, III, b. South Bend, Ind., Feb. 11, 38; m. 62; c. 1. PSYCHOLOGY. B.A., Evangel Col, 59; M.S., Missouri, 61; Ph.D. (psychol), Oregon, 66. Asst. prof. psychiat. & med. psychol, sch. med, Missouri, 66-68; asst. dir. dept. allied med. prof. AM. MED. ASN, 68-69, DR. DEPT. HEALTH MANPOWER, 69-. Res. assoc. health & ment. health, inst. Community studies, 66-68; proj. dir., Kansas City Assn. Trusts & Foundations, Health Careers Res. & Develop. Proj., 67-68. Res. consult, Truman Lab, Kansas City Gen. Hosp, 67-68; consult, Jackson County Pub. Hosp, 67-68. Psychol. Assn. Health manpower; systems analysis; medical ethics; problems of aging. Publ. Co-auth. Public attitudes and diagnosis of death, E. Am. Med. Assn, 11/68 & Human subjects in clinical research: a report of the studies, New Eng. J. Med., 12/68; auth. Lattening and laddering: Pends in the allied health sciences, Am. J. Occup. Ther., 3/70. Address: American Medical Association, 535 N. Dearborn, Chicago, Ill. 60610.
- ZINAM, DR. OLEG. Economics, Sociology. See L-Z Vol, 11th ed, Soc. & Behav. Vols. Change of address: 2824 Austin Terr, Cincinnati, Ohio 45220.
- ZINCONE, DR. LOUIS H, JR, b. Richmond, Va., Jan. 4, 41; m. 63; c. 2. ECONOMICS. B.A., Richmond, 63; Ph.D. (econ), Virginia, 67. PROF. ECON, EAST CAROLINA, 66-. Econ. Assn. Public finance; public choice. Publ: The real balance effect, Indian Econ. J. Address: Box 2767, East Carolina University, Greenville, N.C. 27834.
- ZINN, DR. KARL L(EWIS), b. New York, N.Y., Oct. 18, 37; m. 60; c. 2. EDUCATIONAL PSYCHOLOGY. B.A. Swarthmore Col, 59; M.A. & cert., Michigan, 62, fel, 62-63, Ph.D. (educ. psychol), 64. Res. asst., eval. & exam. div, bur. psychol. servs, MICHIGAN, 59-61, Mich. prof. teaching effectiveness, 61-62, res. assoc. ed. res. CENTER, RES. LEARNING & TEACHING, 63-65, RES. SCIENTIST, 69-. ASST. PROF. PSYCHOL, COL. LIT. SCI. & ARTS, 65-, lectr. comput. & commun. sci, 69. U.S. Off. Ed. grants, 65-66, 69-70; U.S. Naval Res. grant, 67-68. Mem. panel on ed. systs. & tech. chmn. subpanel comput. based servs. & dir. working group on author lang. & support, Inter-Untv. Commun. Conf., Ed. Commun, 65-68. mem. adv. cmt. summer study info. networks, Boulder, Colo, 66. AAAS; Ed. Res. Assn; Psychol. Assn; Asm. Comput. Mach; Inst. Elec. & Electronics Eng; Asn. Ed. Data Syst; Nat. Coun. Measurement in Ed. Information and behavioral sciences applied in education and training; design and evaluation of programming languages, task-oriented systems, learning environments, instructional strategies, performance measures and inter-user communication networks. Publ: Computer technology for teaching and research on instruction, Rev. Ed. Res, 12/67; Instructional uses of interactive computer systems, Datamation, 9/68; Instructional programming languages: a five year perspective, Ed. Tech, 3/70. Address: Center for Research on Learning & Teaching, 1315 Hill St, University of Michigan, Ann Arbor, Mich. 48104.
- ZINSER, DR. JAMES EDWARD, b. Baltimore, Md., Oct. 13, 39. ECONOMICS. B.S., Bradley, 62; M.A. & Ph.D. (econ), Oregon, 67. Instr. ECON, Oregon, 66-67; ASST. PROF. OBERLIN COL, 67-. Soc. Sci. Res. Coun. grant, Argentina, 69-70. Econ. Assn. United States private foreign investment. Publ: Alternative means of meeting Argentina's petroleum demand, Int. United States foreign investment in petroleum and mineral industries, Johns Hopkins Univ, 70. Address: Dept. of Economics, Oberlin College, Oberlin, Ohio 44074.
- ZION, DR. WILLIAM P. Religion. See 5th ed, Dir. Am. Scholars, Vol. IV, Philos. Relig. & Law.
- ZIVKOVICH, DR. PAUL. Business Management. See L-Z Vol, 11th ed, Soc. & Behav. Vols. New position & address: V-pres. & group exec, 69-. Whittaker Corp, 9229 Sunset Blvd, Los Angeles, Calif. 90069.
- ZLOTNICK, JACK. Economics, International Relations. See L-Z Vol, 11th ed, Soc. & Behav. Vols. New position: Economist, Anal. Serv, Inc, 69-. Address: 211 James Thurber Court, Falls Church, Va. 22046.
- ZOBEL, DR. HERBERT LAWRENCE, b. Chicago, Ill., Nov. 17, 24; m. 48; c. 2. GEOGRAPHY, EDUCATION. B.S. Ill. State Norm. Univ, 48, M.S., 49; M.A., Northwestern, 60; Ph.D. (geog. ed), Michigan, 64. Teacher, pub. schs, Ill., 49-50; asst. phys. geog., Northwestern, 51-52; asst. prof. geog. & supvr. teacher, univ. high sch., Western Illinois, 52-53; teacher, Cleveland Sch., Ill., 54-55; instr. earth sci., Joliet Twp. High Sch. & Jr. Col., Ill., 55-57; from asst. prof. to assoc. prof. geog., Eastern Michigan, 57-64; res. assoc. geog. & soc. sci. Ed. Res. Coun. Am, 64-66; ASSOC. PROF. GEOG, KENT STATE, 66-. Lectr., Case Western Reserve, 67-69; Lake Erie Col, summer 68. Fel.

- & life mem, Nat. Coun. Geog. Ed, Ill, Mich. & Ohio coordinator, 50-
U.S.A.A.F. 44-46. AAAS; Am. Am. Geog; Royal Can. Geog. Soc. Improve-
ment of instructional materials in geography, earth science and social sci-
ences at all grade levels and at the college and university level; improve-
ment of teaching of these areas of specialization at all academic levels.
Publ: Mid-America panorama, Nystrom, 69; High school geography textbooks
(1918-1941) and their relationship to classroom instruction, J. Geog, 61;
Michigan, In: The new book of knowledge, Grollier, 68. Address: Dept. of
Geography, Kent State University, Kent, Ohio 44240.
- ZODY, DR. RICHARD E. b. Mansfield, Ohio, May 11, 37; m. 57; c. 3. POLIT-
ICAL SCIENCE. A.B. Indiana State, 63, M.A. 65; Ph.D. (govt), Southern Illi-
nois, 68. Asst. polit. sci. Indiana State, 65; govt. Southern Illinois, 65-66,
instr., 66-68; ASST. PROF. POLIT. SCI. WICHITA STATE, 68. Consult, Ill.
Cmn. on State Govt, 67. Mem. Inter-Univ. Consortium Polit. Res, 69.
U.S.A. 57-60. AAAS; Polit. Sci. Asn. Political behavior and methodology.
Publ: Age and issue orientations, J. Conflict Res, 9/69; Cohort analysis as
a technique for the study of political behavior: some appropriate problems,
Soc. Sci. Quart, 9/69; Generations and the development of political behavior,
Politics, 5/70. Address: Dept. of Political Science, Wichita State Univer-
sity, Wichita, Kans. 67208.
- ZOERNER, DR. CYRIL EDWARD, JR. b. Chicago, Ill, Mar. 24, 33; m. 61;
c. 4. MASS COMMUNICATION. B.S. Illinois State, 58; Ph.D. (commun),
Illinois, 66. ASST. PROF. bus. admin, Illinois 66-68; BUS. COMMUN,
SOUTHERN CALIFORNIA, 68. U.S.A. 63-65. Bus. Comm. Assoc. The
function of mass media with respect to social change. Publ: Co-auth.
American Negro press, Journalism Quart, 68; auth. A total communications
perspective, J. Bus. Commun, 69; co-auth. Black reaction to integrated
advertising, J. Mkt, 70. Address: Dept. of Business Communication, Gradu-
ate School of Business Administration, University of Southern California,
Los Angeles, Calif. 90007.
- ZOLBERG, PROF. ARISTIDE R. Political Science. See L-Z Vol, 11th ed,
Soc. & Behav. Vols. Prof. & chmn, 69-, Dept. of Political Science, Uni-
versity of Chicago, Chicago, Ill. 60637.
- ZONDAG, DR. C(ORNELIUS) H(ENRY). Economics, International Law. See
L-Z Vol, 11th ed, Soc. & Behav. Vols. New position: Child private enter-
prise div, U.S. Agency Int. Develop. Kabul. Address: KABUL (I.D), Dept.
of State, Washington, D.C. 20521.
- ZSOLDOS, PROF. LASZLO. Economics. See L-Z Vol, 11th ed, Soc. & Behav.
Vols. New position: Prof, 69-, Dept. of Economics, University of Delaware,
Newark, Del. 19711.
- ZUBAY, DR. ELI ALAN, b. Minneapolis, Minn, Apr. 18, 15; m. 41; c. 3.
STATISTICS, ACTUARIAL SCIENCE. B.S. Minnesota, 35; M.A. 39; Ph.D.
(statist), Iowa State, 50. Prin. Dysart High Sch, 37-40; instr. math, Osceola
Jr. Col, 40-41; PROF. ACTUARIAL SCI, Drake, 46-58; GA. STATE COL, 58-
Ford Found. summer grant, 62. U.S.A. 40-46, Maj. Acad. Actuaries; Sta-
tist. Asn; Math. Asn. Am; Risk & Ins. Asn. Applications of operations re-
search to insurance. Publ: Co-auth. Principles of life insurance, Vol. II,
Life Off. Mgt. Asn, 64; auth. The Role of operations research in life insur-
ance, J. Chartered Life Underwriters, 1/69 & Computer models and simu-
lation, Trans. Soc. Actuaries, 9/69. Address: Georgia State College, 33
Gilmer St. S.E., Atlanta, Ga. 30303.
- ZUCKER, DR. LUISE JOSEPHINE, b. Vienna, Austria; m. 21; c. 2. PSY-
CHOLOGY, PHILOSOPHY. Interpreter-dipl, Vienna, 30-32; M.S.S. New Sch.
Soc. Res, 44, Ph.D. (psychol, philos), 56. Chief supv. psychologist, La
Farge Clin, 46-53; SR. SUPV. PSYCHOLOGIST, POST-GRAD. CENTER
MENT. HEALTH, 47- TR. ANALYST, 68- Private practice, emotion-
ally disturbed adults, 47- Fel. Post-Grad. Cent. Ment. Health, 58. Fel.
Psychol. Asn; fel. Soc. Proj. Tech. & Personality Assessment; Asn. Adv.
Psychother. Ambulatory schizophrenia; investigation of pathological ego
organization; homosexuality, a reflection of complex inner conflict. Publ:
Ego structure in paranoid schizophrenia, C.C. Thomas, 58; Evaluating psy-
chopathology of the self, Annals N.Y. Acad. Sci, 1/62; Mental health and
homosexuality, J. Sex Res, 7/66. Address: 275 Central Park West, New
York, N.Y. 10024.
- ZUCKER, DR. NORMAN L(IVINGSTON). Political Science. See L-Z Vol,
11th ed, Soc. & Behav. Vols. New position: Prof, 69-, Dept. of Political
Science, University of Rhode Island, Kingston, R.I. 02881.
- ZUCKER, DR. ROBERT A(LPERT). b. New York, N.Y. Dec. 9, 35; m. 60; c. 3.
CLINICAL PSYCHOLOGY. B.C.E., City Col. New York, 56; California, Los
Angeles, 56-58; Ph.D. (clin. psychol), Harvard, 66. Instr. PSYCHOL, Rut-
gers, 63-66, ASST. PROF. 66-68; MICH. STATE, 68- Ed. consult, Quarterly
J. Studies on Alcohol, 64- & Psychol. Bull, 69-; consult, Nat. Adv. Cmt. on
Alcoholism, 67; Nat. Safety Coun. Cmt. Alcohol & Drugs, 69. Psychol. Asn;
Soc. Study Social Probs. Primary prevention of mental disorder; epidemi-
- ology and etiology of problem behavior; personality assessment. Publ: Birth
order, anxiety and affiliation during a crisis, J. Personality & Soc. Psychol,
4: 354-359; Sex-role identity patterns and drinking behavior of adolescents,
Quart. J. Studies on Alcohol, 23: 868-884; Masculinity-femininity in fantasy
preference: an indirect approach, J. Proj. Techniques & Personality As-
sessment, 22: 424-432. Address: Dept. of Psychology, Michigan State Uni-
versity, East Lansing, Mich. 48823.
- ZUCKERMAN, DR. HARRIET A. Sociology. See L-Z Vol, 11th ed, Soc. &
Behav. Vols. Change of address: Dept. of Sociology, Columbia University,
New York, N.Y. 10027.
- ZUCKERMAN, DR. JOHN V(ITTO). Psychology. See L-Z Vol, 11th ed, Soc. &
Behav. Vols. New position: Prof. behav. mgt. sci. & chmn. dept. col.
bus. admin, Houston, 63-. Address: 4040 San Felipe Rd, Apt. 24B, Houston,
Tex. 77027.
- ZUERCHER, JOHN D. S.J. Engineering Psychology. See L-Z Vol, 11th ed,
Soc. & Behav. Vols. Change of address: Jesuit College, St. Bonifacius,
Minn. 55375.
- ZUNDE, DR. PRANAS. Information Science. See Suppl. V to 11th ed, Phys.
& Biol. Vols.
- ZUNICH, PROF. MICHAEL. Psychology. See L-Z Vol, 11th ed, Soc. &
Behav. Vols. New position: Prof, 69-, Dept. of Child & Family,
Southern Illinois University, Carbondale, Ill. 62901.
- ZURCHER, DR. LOUIS ANTHONY, JR. Social Psychology. See L-Z Vol,
11th ed, Soc. & Behav. Vols. New position: Assoc. prof, 69-, Dept. of
Sociology, University of Texas, Austin, Tex. 78712.
- ZURIF, DR. EDGAR B(ASIL), b. Montreal, Que, Jan. 9, 40. EXPERIMENTAL
PSYCHOLOGY. B.Eng, McGill, 61, M.Sc. 64; Ph.D. (exp. psychol), Waterloo,
64. Lectr. PSYCHOL, SIR GEORGE WILLIAMS, 66-67, ASST. PROF, 67-
Nat. Res. Coun. Can. grant, 66-; France-Que. sci. res. exchange grant, sum-
mer 69. Can. Psychol. Asn. Study of cerebral dominance for language;
dyslexia. Publ: Co-auth. Familial handedness and left-right differences in
auditory and visual perception, 69, Dyslexia in relation to cerebral domi-
nance and temporal processing, 70 & auth. The role of syntax in dichotic
listening, 70, Neuropsychologia. Address: Dept. of Psychology, Sir George
Williams University, Montreal, Que, Can.
- ZURIFF, DR. GERALD EUGENE, b. Baltimore, Md. Mar. 12, 43; m. 69. EX-
PERIMENTAL & PHILOSOPHICAL PSYCHOLOGY. B.A. Columbia, 64;
Woodrow Wilson fel. Harvard, 64-65, Nat. Sci. Found. & Danforth Found.
fels, 64-68, Ph.D. (psychol), 68. ASST. PROF. PSYCHOL, WHEATON COL,
68- Operant conditioning; perception; learning. Publ: Collateral respon-
ding during DRL, 69 & A comparison of VI and VR schedules, 70, J. Exp.
Anal. Behav. Address: Dept. of Psychology, Wheaton College, Norton, Mass.
02766.
- ZUSMAN, DR. JACK. Psychiatry, Public Health. See Suppl. V to 11th ed,
Phys. & Biol. Vols.
- ZWETSCHKE, DR. EARL T(HEODORE). Psychology. See L-Z Vol, 11th ed,
Soc. & Behav. Vols. Change of address: 4608 Glenheath Dr, Kettering,
Ohio 45440.
- ZWICK, DR. JACK, b. Sept. 18, 37; U.S. citizen; m. 62; c. 2. BUSINESS,
INTERNATIONAL FINANCE. B.A. Harvard, 59, Ph.D. 64; M.A. George
Washington, 61. ASSOC. PROF. BUS. GRAD. SCH. BUS. COLUMBIA, 64-;
DIR. WORLD TRADE INST, 70- Consult, Comptroller of Currency, 68.
U.S.A.F.R. 60-66. International business. Publ: Co-auth. International
financial management, Prentice-Hall, 69; auth. Foreign banking in the United
States, Joint Econ. Cmt. Print, 7/66 & Dollar devaluation: still cause for
concern?, McKinsey Quart, winter 68. Address: 320 Riverside Dr, New
York, N.Y. 10025.
- ZWISSLER, DR. MELVIN MICHAEL, b. Cincinnati, Ohio, May 31, 34; m. 63;
c. 3. PSYCHOLOGY. B.S. Xavier (Ohio), 58; M.A. Detroit, 60; Ph.D. (psy-
chol), Purdue, 66. Staff psychologist, Evansville State Hosp, Ind, 60-61;
Vigo County Adult & Child Guid. Clin, Terre Haute, 64-66; Ment. Health
Center of St. Joseph County, South Bend, 66-68; DIR. PSYCHOL. SERV.,
ROLLMAN PSYCHAT. INST, CINCINNATI, 68- Assoc. lectr., Indiana Univ.
Exten, South Bend, 66-68; adj. asst. prof, Univ. Cincinnati, 68- Consult.
psychologist, U.S. Penitentiary, Terre Haute & consult. diagnostician, Voc.
Rehab, 64-66; Indiana State, 66-68; consult. psychologist, Prof. Serv. Cent.,
South Bend, 67-68; Beatty Mem. Hosp, Westville, Ind, 68. Med.Serv.C.
U.S.A. 58-67, Capt. Psychol. Asn. Publ: Co-auth. Apparatus for the study
of apparent motor thresholds, Perceptual & Motor Skills, 63. Address:
2780 Beecher Falls Court, Cincinnati, Ohio 45238.

